



**RESTORATION ADVISORY BOARD
DUGWAY PROVING GROUND
ENGLISH VILLAGE COMMAND CENTER CONFERENCE ROOM A**

**February 12, 2001
Meeting Minutes**

Action Item = ☆

The meeting of the Dugway Proving Ground Restoration Advisory Board (RAB) was held on Monday, February 12, 2001 at 5:30 p.m. in the English Village Command Center Conference Room A at U.S. Army Dugway Proving Ground, Dugway, Utah. A new feature of these minutes is an action item list provided as an enclosure along with the agenda, attendee list.

1. Welcome, Introductions – Members and Guests

Joe Gearo and Royce Larsen, Dugway Co-Chairs

- A. Installation Co-Chair Mr. Gearo brought the meeting to order and welcomed attendees. He noted that Colonel Fisher, DPG Commander, was unable to attend as he was scheduled for another meeting tonight in Nevada. Col Fisher sent his best wishes and said he would check with Mr. Gearo regarding the results of the meeting when he returns.
- B. Co-Chairs Mr. Gearo and Mr. Larsen began the introductions for RAB members, RAB support staff and members of the public. When Community Co-Chair Larsen asked if anyone was attending the RAB for the first time, three new attendees identified themselves.

2. Acceptance of Meeting Minutes/Business/Questions

Royce Larsen and Joe Gearo, RAB Co-Chairs

- A. The November 8, 2000 RAB meeting minutes were distributed to members at the beginning of the meeting, as they were not mailed prior to the meeting. Ms. Henderson e-mailed them to members who have e-mail and asked those who received it if the attachments were readable. Only some members were able to open the attachments. It was suggested that this method of transmitting meeting information be resolved and used in the future (excluding the handouts and graphic items which are generally too large to e-mail) to expedite getting meeting information to participants. ☆

Ms. Henderson further noted that the briefing handouts would be distributed in the meetings as usual, but will no longer be duplicated and mailed with the minutes, except for those members who are absent. An abbreviated version of the minutes may be sent by e-mail in the future, if members prefer it to mailing. Mr. Larsen, Chae Kim and other members concurred with this idea. Mr. Larsen recommended that minutes be mailed /e-mailed within four weeks after a meeting to be reviewed by members before the next meeting.

- B. RAB members asked to have maps from the last meeting and future meetings reproduced in color for the handouts so that they can be more easily read and understood. It will not always be possible to provide color copies.
- C. **Agenda items:** Mr. Larsen requested that RAB members identify agenda topics for the next meeting(s). Some of the agenda items for this meeting were suggested by RAB members. At the end of the meeting, or anytime during the meeting, members are encouraged to propose topics of interest for future discussion. ☆

- ❖ Mr. Dave Larsen (UDEQ), who was not able to attend the meeting, recommended a discussion topic of groundwater quality and groundwater strata at Dugway Proving Ground for the next meeting. ☆

D. **Subcommittee selections:** Mr. Larsen emphasized that on the RAB attendance roster enclosed in the minutes, five RAB members (John Christensen, Michael Merritt, Alan Mitchell, Myron Bateman and Rex Sohn) are not currently members of a subcommittee. RAB members voted unanimously in the first meeting that every member shall select and work on one of the four committees, which are **Procedural Committee, Membership Committee, Technical Committee, and Outreach Committee**. It was recommended that one of the agenda items for future meetings be subcommittee breakout sessions to identify and work on specific issues. Members who are on more than one committee may want to select a primary and alternate, or choose to participate on only one committee to avoid having to be in two places at one time. Members are also encouraged to identify items to address in the subcommittees. ☆

E. Enclosures in these minutes also include the approved Mission Statement and Operating Procedures (many thanks to the Procedural Committee for their diligent work). It was also recommended that the meeting minutes include a list of Action Items generated during the meeting and person(s) responsible for those actions.

F. RAB Binders - A 3-ring binder was provided to members in the first RAB meeting for the purpose of storing and reviewing meeting information. Any member who has not received a 3-ring RAB binder should advise Co-Chairman Larsen so that one can be provided. ☆

G. **Motion:** Mr. Larsen motioned to accept the revised RAB minutes of November 8th. Motion seconded and carried. ☆

3. Other Administrative Business

A. The meeting location for future RAB meetings may change to the Community Club. The change would facilitate easier meeting set-up and an improved seating arrangement for the RAB. *[It has since been decided that the meetings will continue in the English Village Command Center Conference Room A.]* ☆

B. Some community members had difficulty passing through Security at the front gate. A list had been given to Security, but the list was not available at the gate when attendees arrived. The problem will be resolved by Mr. Gearo. ☆

C. The meeting time was changed from 1830 to 1730 for those who travel home long distances in the evening.

D. Mr. Gearo mentioned that Mary Ann Parker of Parker Design has been contracted to coordinate the RAB meetings, and will be helping us with preparation of long-term agenda items, discussion topics, and issues to work on as a RAB. She will be calling all RAB members to become better acquainted, to identify additional issues to address in the future, and discuss members' availability and preferences for the upcoming installation tour. ☆

E. RAB Member Robert McNeil regretfully resigned from RAB following a change of employer and potential conflict of interest. There is a need to initiate finding a replacement to fill this opening. ☆

F. Mr. Gearo brought 20 copies of a publication entitled: "How to Recognize a Hazardous Waste Even If It Is Wearing Dark Glasses" to the meeting. It is good background information on the Resource

Conservation and Recovery Act (RCRA), under which Dugway's environmental program falls. Interested RAB members may obtain a copy of the booklet during the break.

- G. Marianne Rutishauser (Tooele County Emergency Management) and Michael Merritt (Dugway Community) called to excuse themselves from the meeting tonight.

4. Information Repositories

Vicky Henderson, USACE/Information Systems Support, Inc.(Contractor)

- A. Documents are being reproduced and placed in the two DPG Public Information Repositories. A list of documents in the Repositories will be provided at the next meeting.

By early April, DPG environmental documents will be available at the Tooele Chemical Outreach Center, 54 South Main Street, across the street from the Court House in Tooele. The Outreach Center has a library area and computer with online connections (to access Dugway's homepage). The other public Information Repository for Dugway is the University of Utah - Marriott Library, fifth floor, Special Collections. Documents are accessible by request, with an extensive computerized index and a helpful staff to retrieve documents. They closely guard their collection to keep it intact. A third location for access to all Dugway documents is the State of Utah, Department of Environmental Quality; the contacts are Dave Larsen or Michelle Weis (801) 538-6170. A location guide with phone numbers and hours is listed in the Fall 2000 Environmental Outlook newsletter.

Another excellent resource for information on the SWMU and HWMU sites is the DPG Installation Action Plan (IAP). As a site is discussed in the meeting, you may refer to it in the Plan, which has photos and details of the environmental issues. The next revision of the annually updated IAP is due in March 2001. This plan may be useful in determining sites of interest for the upcoming RAB tour of DPG.

Q: Harry Shinton – The RAB Operating Procedures identify that it is the Community Co-Chair's responsibility to "... ensure that documents distributed to the RAB become available to the civilian community as deemed appropriate." What resources do the residents of Dugway have for environmental documents? Doesn't Dugway have a closed cable system where notices can be posted?

A: Scott Reed – We are in the process of establishing a public repository in our library on the first floor of the Environmental office, Bldg. 533-. It is open for anyone to use, though not completed yet.

A: Joe Gearo – We have discussed posting more information in the environmental area on the Dugway Internet's public folders. The Installation Action Plan and all of the permits are there. We can also place the minutes on the website. The Dugway Website has a hotlink for the RAB. I have ☆
all of the documents that the RAB has been given, so anyone can come to access them in my office.

A: Vicky Henderson – Chris Prescott, USACE Project Manager, who could not be here tonight, ☆
has designed an entire website for the RAB with hotlinks that is ready to be implemented.
Also, a representative from UDEQ's initiative to scan all of the State's environmental documents and put them on their website is here tonight...

A: Daniel Griffen, UDEQ – I don't know if the website is fully available to the public. We are 80% finished with several thousand pages, which are fully searchable. An entire server will be available, as far as I know, where a visitor can search documents and drawings for certain words and phrases or other possibilities. They are also scanning files on Chevron, the refineries, MagCorp, Geneva and others. RAB members may request that the Dugway documents be done next.

A: Joe Gearo – A notice should be posted on Channel 12 announcing the availability of RAB ☆
information in the DPG library and on the website, as it becomes available.

A: Royce Larsen – I will take responsibility to make sure that information from these meetings is placed in the Dugway library.

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Installation Action Plan: If any members do not have a copy of the Installation Action Plan and want one, Scott Reed has a few left. Copies of the March 2001 revised IAP will be distributed to the members. Col Fisher wants to make it clear that this is a living document and not designed to be final at any given moment. Information will age out because of Progress. It serves as a thumbnail sketch of what is going on, and can be compared with present activities as well as the upcoming revision, to gauge progress being made.

5. Discussion: RAB Member Tour of DPG

Joe Gearo, Installation Co-chair

What do RAB members want to see on the tour, who would like to go, and when is it most convenient? Environmental restoration sites would be the best focus for the tour, particularly where work is underway.

If Scott Reed will lead the tour, there is some flexibility on weekdays, Friday or Saturday. The official Dugway hours are ten-hour days, Monday through Thursday, and very few people work on Fridays. A drawback of a tour on Friday or Saturday is that there would be no services open, that is, everyone would have to bring lunch or make other accommodations. One option is to tour on Monday, May 14th before the next RAB meeting, when the weather is nicer. The site tour may begin in the morning or afternoon, and be directly followed by the meeting. We need to know how many are interested in touring and which sites are important.

Members commented that a Friday Tour may pose less conflict for those working outside of Dugway; conversely, a tour during the week would allow us to see contractors working on the site.

Q: Harry Shinton -- What is the purpose of the tour?

A: Joe Gearo – Partly to familiarize members with the HWMU and SWMU sites, and to give them a visual reference. Jeff Ogawa and Ed Staes give excellent presentations at meetings with photos, maps and progress reports; however, seeing the physical location and the work in progress can be of benefit. Scott could explain the process of the cleanup for various sites. It doesn't have to be for everyone.

Q: Harry Shinton – In a meeting 3 months ago, I thought we were discussing that we as a Restoration Advisory Board would make some suggestions and where we were in conflict with ourselves as to what SWMUs we would suggest need to have priority, then we would compare different sites. Wasn't this the purpose for discussing a tour?

A: Joe Gearo – Many sites have only a sign identifying the SWMU number, where the only activity may be sampling to determine the extent of contamination, and provide information for discussions with the State and prioritization of the sites. The tour can provide the opportunity to identify a SWMU site in terms of its geographical landmarks, or to see work where it is in progress.

A: Scott Reed – The tour is optional, of course, but it can help members make a connection to what we discuss in the meetings.

A: Vernon Denman, Dugway member – I am often out on the installation more than most people, and when I see the various sites and the equipment, I wonder what is going on there. A tour would also help me to explain environmental activities to people who ask me and when I'm at work.

A: Keller Davis, Contractor to DPG Env. Office – By April, we will have a better idea what sites will have active work, so that the tour can offer both current activities and technology, and a landfill, for example, that is simply being sampled and investigated.

A: Joe Gearo – Before the next RAB meeting in May, we will have asked all members for feedback either by e-mail or phone call (Parker). Please think about preferences of day, time and sites, and let us know. ☆

BREAK

6. Presentations – Briefings were presented as shown on the agenda (Enclosure 1)

A. IRP Legal Drivers and the Site Closure Process

Scott Reed, DPG Environmental Office

Scott described some of the progress made since the last RAB meeting in November. Two hazardous waste management units (HWMUs) have been cleaned up; at one site, a new sewage lagoon is being built on top of the site that was known as HWMU 33, Sewage Lagoon North of Baker Lab. This has brought us to a point in the cleanup process that has never been firmly defined – how a site progresses from point A to B to C (completion) within the State regulatory process, and is taken off of the permit.

Scott gave a historical background of the regulatory permitting process that Dugway has been through to date, and explain that Dugway would be obtaining a new regulatory permit known as a “Post Closure Permit” to address those sites where waste is left in place.

B. Future DPG Environmental Site Closures

Jeff Ogawa, IT Corporation

Jeff Ogawa presented the process in which Consent Order sites will be closed. This included recalculating the risk assessments to address residual contamination. The risk assessment would address future land use – with alternatives including residential use, industrial use, or restricted use – and how this risk would be mitigated. A closure plan would be prepared for public comment and finally approved by the State of Utah. Once approved the consent order sites would be taken off the RCRA permit and the sites will be managed according to the Post -Closure permit.

The intention is to close five sites this year: HWMUs 33, 34, 36, 48, and 130.

HWMU 33 Baker Sewage Lagoon – we have turned it over to DPG so they can build a new sewage lagoon.

HWMU 34 Boilerhouse Sump – Excavated last year, however, the site could not be closed because the background issues with UDEQ have not been resolved to date, resulting in a hold on the risk assessment until the question was resolved. A closure report will soon be issued for this site.

HWMU 36 Ditto Imhoff Tank – Site cleanup completed in January 2001; currently writing a closure report.

HWMU 48 Fries Park 3X Metal Storage Area – Cleanup began last week; PCB-contaminated soil will be excavated.

HWMU 130 English Village Gas Station – Some pipes already excavated and removed, anticipate closure will follow sampling on the south side in the Spring 2001.

Scott Reed added that Dugway sites are operated according to either a Part A or Part B permit, or now under a Post-Closure permit. For some of the closure sites, a five-year review is required by law to ensure that Dugway is operating in the same manner. Scott further stated if a site is not able to be clean-closed for residential use, it can fall into the industrial use category, which allows some

contamination to remain, but is safe for industrial uses. Every five years, under a stipulation of the post-closure permit, we will review the site uses and, if required, will perform groundwater monitoring.

C. Installation Restoration Program - Current Work Status & Updates

Scott Reed, DPG Environmental Office

Scott introduced the two programs that are currently being conducted under the Installation Restoration Program – the Corrective Action program conducted by Parsons and the Consent Order program conducted by IT Corporation.

**D. RCRA Facility Investigation (RFI) Sites
Solid Waste Management Units (SWMUs)**

Ed Staes, Parsons Engineering

Ed Staes summarized the field activities of the two ongoing portions of the Corrective Action Program in which SWMUs are divided into two prioritized categories. The first portion of the program consists of a groundwater assessment of the higher priority sites referred to as the **1A sites**. Maps of groundwater plumes identified at SWMUs 97 and 133 located in Ditto were presented and represent data that has been collected since last RAB meeting. Groundwater contamination consists of chlorinated solvents (trichloroethene and tetrachloroethene) that exceed drinking water standards; however the designated use of the groundwater in these areas is considered “saline” and unusable. The horizontal and vertical extent of these plumes has been determined and the investigation at these sites is completed.

The second part of the Corrective Action Program consists of investigating lower and medium priority SWMUs known as **2A** and **3A sites**. Since the last RAB approximately 18 of the 60 SWMUs have had investigation activities performed. Over the next three months activities at these sites will consist of excavating test pits, completing soil borings, and completing surface soil sampling. Field work is planned to be completed in July 2001. A handout of the presentation was distributed.

Q: Chae Kim, Dugway member – Last time we talked about the plumes and possible indoor air concentrations, and wondered if he could be provided that information.

A: Scott Reed – Just to clarify, the issue that was brought up was air monitoring and more particular, the drivers. EPA and UDEQ thought we were deficient in addressing air monitoring relating to a specific EPA program, and listed that as a deficiency. To be honest, the issue boiled down to the fact that DPG's Industrial Hygienist (IH) has conducted indoor air monitoring on the sites in question and has made the determination that when using his standards, the areas are safe.

Dugway feels that this monitoring is sufficient until EPA has a program in place. These issues have not been totally resolved at this time. Until there is a program in place, we cannot complete our assignment.

Q: Is there a report from an IH in place?

A: We can get that. At most places, not just at Dugway, you have IHs that look at the workforce, a safety officer looking at OSHA requirements, and environmental folks bridging the gap, because we look at environmental issues and the reasons why. The indoor monitoring program is done by our IH. If they come to us and report that SWMU 77 smells, looks and tastes nasty, the IH does sampling and uses his assessment and regulations to make a qualification versus what actually are its components.

E. Consent Order Sites

Hazardous Waste Management Units (HWMUs)

Jeff Ogawa, IT Corporation

Jeff Ogawa provided the RAB with an update on field activities at the Consent Order Sites including Hazardous Waste Management Unites (HWMUs) 33, 36, 42, 62-2 and Sump Contents Characterizations. He also outlined progress since the last RAB meeting. Fieldwork summaries for SWMUs 51, 58, 63-1, 128 are being prepared. Refer to presentation handouts.

Q: Is landfill at SWMU 42 completed or was it pushed back? And do you have results today on 42?

A: Jeff Ogawa – We are still awaiting the State's approval. No, we don't have results. A recommendation will be made to the State after soil/gas samples have been taken and an assessment is made. We need to define the extent of the waste before deciding on a course of action.

7. Set Next Meeting, Agenda Topics

Motion made for the next meeting to be scheduled for Monday, 14 May 2001 at 5:30 p.m. at Dugway Proving Ground, English Village Command Conference Room A, Bldg. 5450. Board approved.

Q: Will the RAB continue to meet on Monday nights?

A: Joe Gearo – Minutes of the last meeting reflected that members' votes showed a preference for Monday.

A: Vicky Henderson – 5:30 PM was also the preferred meeting time for most everyone, especially those commuting from outside Dugway. The Deseret RAB meetings will be the following night, a great convenience for those traveling from outside of Utah.

Mr. Larsen distributed the Dugway Dispatch newspaper to members.

Ms. Henderson announced that maps showing location of the Solid and Hazard Waste Management Units were handed out at the last meeting, but there are a few copies available this evening.

8. Meeting adjourned.

Enclosures:

1. Action Item List
2. Agenda – February 2001 meeting
3. Attendance Roster

**DUGWAY PROVING GROUND
RESTORATION ADVISORY BOARD**

**☆ ACTION ITEM LIST ☆
13 February 2001**

Action Item	Proponent
1. Resolve e-mail problems with members who would like to receive info by e-mail.	Vicky Henderson
2. Telephone each RAB member:	
✧ Discuss issues of concern and future agenda items.	RAB Members, Parker
✧ Discuss availability and preferences for upcoming RAB tour.	RAB Members, Parker
3. Coordinate meeting agenda items:	
✧ May: Presentation on groundwater quality and groundwater strata on Dugway Proving Ground	Co-Chairs, Parker, Dave Larsen (UDEQ), Chris Prescott
✧ Future: Subcommittee breakout sessions	Co-Chairs, Parker
4. Select subcommittee, and consider items to be addressed in subcommittees.	RAB Members, Parker
5. RAB Binder – advise Royce Larsen if you need one.	RAB Members
6. Resolve meeting location for future RAB meetings with Col Fischer.	Complete
7. Resolve problem of community members clearing the front gate for meetings.	Joe Gearo
8. Recruit replacement for RAB Member Robert McNeil.	Membership Subcommittee
9. Post RAB Minutes and hotlinks on Dugway Website.	Vicky Henderson, Joe Gearo, Melanie Moore
10. Post availability of RAB information in DPG library and website on Channel 12 access channel.	Joe Gearo
11. Place RAB meeting binder in the Dugway Proving Ground library.	Royce Larsen

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