



**DEPARTMENT OF THE AIR FORCE
AIR FORCE REAL PROPERTY AGENCY**

MAR 18 2010

MEMORANDUM FOR DISTRIBUTION

**FROM: AFRPA Western Region Execution Center
3411 Olson Street
McClellan CA 95652-1003**

SUBJECT: Restoration Advisory Board Meeting Minutes, 1 December 2009

- 1. Attached please find the final minutes from the 1 December 2009 McClellan Restoration Advisory Board meeting held at the Lions Gate Hotel and Conference Center.**
- 2. If you have any questions or comments, please contact Ms. Mary Hall, at (916) 643-1250, extension 232.**

A handwritten signature in black ink, appearing to read "Steven K. Mayer".

**STEVEN K. MAYER, P.E.
BRAC Environmental Coordinator**

**Attachment:
Final Meeting Minutes, 1 December 2009**

DISTRIBUTION LIST
1 December 2009 Restoration Advisory Board Meeting Minutes

Electronic Copies

Robert Blanchard, RAB
Dana Booth, RAB
William Clements, RAB
Adrian DeWald, RAB
Carolyn Gardner, RAB
Paul Green, Jr., RAB
Alan Hersh, RAB
Glen Jorgensen, RAB
Randy Orzalli, RAB
Paul Plummer, RAB
Tina Suarez-Murias, RAB

Elizabeth Donnelly, Senior Field Representative, Congressman Dan Lundgren
Trent Sunahara, Field Representative, Congresswoman Doris Matsui

Viola Cooper, US EPA
Christine Katin, US EPA
Penny Reddy, US EPA
Yvonne Fong, US EPA

John Harris, DTSC
Stephen Pay, DTSC
Marcus Simpson, DTSC

James Taylor, Central Valley Regional Board

Phil Mook, AFRPA
Steve Mayer, AFRPA
Linda Geissinger, AFRPA
Paul Bernheisel, AFCEE
Al Weilbacher, AFCEE

Brian Sytsma, Napkin Communications
Mary Hall, CH2MHill

Hard Copy

Gary Collier, RAB

McClellan Administrative Record

McClellan Air Force Base (AFB)
Restoration Advisory Board (RAB) Meeting Minutes FINAL
1 December 2009 -- McClellan, California

Time: 6:30 PM

Place: Lions Gate Hotel and Conference Center, Club Room B
McClellan, California

RAB Member Attendees

<u>NAME</u>	<u>AFFILIATION</u>
ROBERT BLANCHARD	ELVERTA
DANA BOOTH	LOCAL REUSE AUTHORITY
BILL CLEMENTS	RELIGIOUS COMMUNITY
GARY COLLIER	WEST SIDE OF BASE, PARKER HOMES
YVONNE FONG	U.S. ENVIRONMENTAL PROTECTION AGENCY
CAROLYN GARDNER	MCCLELLAN PARK RESIDENT
PAUL GREEN, JR.	EDUCATION COMMUNITY; CO-CHAIR
JOHN HARRIS	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ALAN HERSH	MCCLELLAN BUSINESS PARK
GLENN JORGENSON	NORTH HIGHLANDS
STEVE MAYER	AIR FORCE REAL PROPERTY AGENCY; CO-CHAIR
PAUL PLUMMER	LOCAL BUSINESS COMMUNITY, ANTELOPE
JAMES TAYLOR	CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

I. Welcome, Introductions, and Meeting Guidelines

Gaelle Glickfield welcomed the group to the meeting and introduced herself as the meeting facilitator. Attendees signed the sign-in sheet (Attachment 1), and picked up available handouts, including the agenda (Attachment 2).

The RAB members introduced themselves and the stakeholder group they represent. Ms. Glickfield invited everyone in the room, including community members, to introduce themselves and state if there is a particular topic they are interested in learning about at the meeting. She explained that topics brought up by community members or RAB members but not immediately

addressed will be added to a whiteboard “parking lot” to be either addressed later in the meeting or captured in the minutes. No topics were identified in the introductions.

The general format of the meeting and agenda was outlined, including how to be recognized as a speaker during the meeting and when to ask questions.

II. Agenda and Comments on September Minutes

Ms. Glickfield referred to the RAB the agenda and September meeting minutes. She pointed out that Frank Miller’s financial questions from the September 2009 meeting are answered at the end of the minutes.

Gary Collier mentioned that he was extremely pleased with the response to his question regarding Parcel C-6 during the September meeting.

There were no other comments on the minutes; they are considered adopted as is.

III. Community Co-chair Update

Paul Green, Jr., community co-chair, offered his perspective on the current state of the RAB and its role in the cleanup process. He believes the McClellan RAB is a cohesive group that clearly understands its mission to advise the Air Force, not supervise. In addition, he noted a very professional relationship between the Air Force and the regulators. RAB members need to focus on the groups they represent, and as community co-chair, Mr. Green’s job in part is to make sure the information given is understandable by a lay audience. He also noted that he has requested that RAB input is sought in the feasibility study stage of the CERCLA process, rather than waiting for the formal public comment period during the proposed plan stage.

IX. Community Co-chair Election Procedure

Mr. Green introduced the RAB co-chair election procedure by noting that the job of community co-chair is an easy job because there is camaraderie and trust between the parties. He views his job as first assuring human health and safety and second working for base reuse.

He presented draft language for an amendment to the RAB Operating Instructions (Attachment 3) regarding the process for electing the RAB community co-chair.

Gary Collier requested that the subject be tabled. He noted that in previous meetings he has expressed concern about including regulatory members as community members.

IV. Air Force Cleanup Update

Steve Mayer presented the BRAC Cleanup Team and Stakeholders Field Review (Attachment 4) and the Key Documents (Attachment 5). Only information and comments not presented in the attachments is recorded in these minutes.

Mr. Mayer noted that the recent scan of Bldg. 252 did show some residual contamination. Those areas will be cleaned and the building rescanned. At that point it will be clear for unrestricted release, probably next year.

The sanitary sewer replacement project should finish in 2010.

RAB discussion

Mr. Green asked for clarification on the agency concerns with transferring parcels L2 and L3. Mr. Mayer said the main concern is with soil gas. A state investigation several years ago found one detection of soil gas in the surrounding area, but nothing of significance that would prevent using the facility as a school. As the Air Force is preparing to transfer that property, it is being asked to look again at that data.

Mr. Green also asked about oil from a generator at the site. Mr. Mayer explained that in the adjacent building, Building 4, a biovent system is being installed to clean the fuels.

Mr. Hersh pointed out that finding the underground storage tank (item f(3) in the Field Review) was an example of the successful implementation of the encroachment permit process which specifies how to handle an unexpected find during a construction program.

Mr. Jorgenson asked for a comparison between the current filter and the optimized unit at the Groundwater Treatment Plant. Paul Bernheisel of the AFCEE Field Team at McClellan clarified that the vessel being optimized is a resin filter used to remove the chromium 6 from the water being discharged to the creek. The current 2000 gallon filter is larger and more expensive than is needed. Currently chromium does not exceed discharge permit requirement even without treatment. The vessel is insurance that it remain below standards. The smaller vessel is more cost efficient.

Mr. Jorgenson asked what "abandonment" of the industrial waste line means? Mr. Hersh said abandoning it means excavating down to the pipe, severing it and removing it.

Mr. Blanchard asked why drinkable water is discharged to Magpie Creek instead of re-injecting it into wells at the perimeter where it could be a reservoir for future use.

Mr. Taylor explained that many of the water agencies that deliver water in this area have a policy to not serve treated water. Mr. Mayer added that the soil formations in the area do not lend themselves to reinjection of the water.

Mr. Blanchard noted that living in Elverta, water rationing causes him to relook at the treated water running down Magpie Creek.

Mr. Collier asked if the RAB could have another tour of the Groundwater Treatment Plant.

V. LRA Activities

Mr. Booth said the County has obtained an amendment to its Office of Economic Adjustment grant to extend the redevelopment of Dudley Blvd. south of the runways to fix the railroad crossing next summer.

VI. Parcel C-6 Early Transfer with Privatized Cleanup Status Update

Ms. Fong said the agencies have commented on a draft remedial action/remedial design work plan for Parcel C-6. McClellan Business Park and its contractors have issued a revised version and the EPA is now finalizing comments on that.

In October, EPA participated in the MBP Transportation Fair and received positive feedback and some 20 new names on its mailing list.

EPA is also working on operation and maintenance plans and plans for implementing institutional controls for the site. The remedial action is on track to begin next spring.

Mr. Collier asked if a contractor has been selected for that project. The technical contractor is TetraTech.

VII. McClellan Five-year Review

Mr. Mayer gave a presentation (Attachment 6) on the McClellan Five-Year Review. Only information and comments not presented in the attachments are recorded in these minutes.

Clarifying questions

There were no clarifying questions.

RAB discussion

There was no RAB discussion.

VIII. Regulatory Update

There were no regulatory agency updates.

IX. Public Comment Period

Chuck Yarbrough: I just wanted to make a comment about an issue that was brought up tonight regarding the discharge into Magpie Creek from the monitoring wells and the cleanup facilities they have around the base to clean up the water. There's a reason why that water is not totally a waste going into the creeks. And the fact that there's many different types of fish and wildlife associated with not only living in the water but drinking the water and so forth. I'm just trying to tell you that it's not a wasted water supply. It's supplying animals --fish and wildlife, birds snakes, whatever you want to say, all the way down to the Sacramento River, which is quite some distance. Also, all the plants and growth that take a benefit from that water so and it's been doing that for a number of years now. Also, it goes into the Sacramento River just above where the drinking water for Sacramento is taken out. So it's not very much going that way when you take the whole volume of water coming off our watershed, but it's not really going to waste, so just don't think that because it's being put into Magpie Creek that this is totally wasted water. It supplies a lot of wildlife, a lot of plants, and goes into the Sacramento River and also supplies water to the groundwater. It recharges the groundwater in our area. I just wanted you to know that it isn't a total waste of water.

X. Building 252 Remedial Investigation and Feasibility Study Preview

Mr. Mayer gave a presentation (Attachment 7) on the Draft Building 252 Remedial Investigation and Characterization Study and Feasibility Study. Only information and comments not presented in the attachments are recorded in these minutes.

Clarifying questions

Mr. Green asked for clarification on how dirt would be removed from under the building. Mr. Mayer said the Air Force has already dug up parts of the slab, exposing the soil under the building to access the sewer line. In the other section, there is access to pipes through the basement. Another option is to just remove the building to get to the soil.

Mr. Collier asked if the RAB could visit the site and if McClellan Park has a tenant in mind for the building. He also asked for clarification of the spread of contamination from the radium.

Mr. Hersh said the building is not leasable given the environmental history of the building. It is McClellan Park's preference that the building be removed as part of the cleanup and he understands that will be addressed in the feasibility study cost analysis.

Mr. Mayer said a tour will be arranged for the RAB. The radiation contamination is principally in the soil and it is safe to be in the area for tours and other cleanup related activities.

Mr. Mayer presented staff photos from the summer 2009 radiation scan of the building. He noted that most of the radiation still present is in very isolated patches on the walls or floors.

RAB discussion

Mr. Green asked why the building and soil aren't just mixed together and disposed of together?

Mr. Mayer explained that the building is being cleared for unrestricted release so that it wouldn't have to go to a specialty landfill, but rather can go to rubble crushing and be reused as an aggregate material. The 100% scan is supportive of the potential reuse of the material.

VII. Public Clarifying Question

Mr. Dale Anderson: Was/is the decommissioning of the wastewater treatment plant under the purview of the RAB? Were sedimentation and run-off issues met? Was sampling for VOCs conducted?

Mr. Mayer: The former wastewater treatment plant was abandoned in place when the base was closed. This past summer, the Air Force demolished the facility and backfilled to restore it to grade. Part of the process was to allow the investigation of soils under the tanks and infrastructure. A plan with SWP

measures was followed and the activity was conducted during the dry season to prevent runoff. Sampling of soils beneath the tanks was conducted and found little or no contamination. Some old degraded fuel and oil from the original impoundments was found. It appears the tanks had good integrity and there were no releases from them. A SVE system at the site has been in

rebound and will be restarted and optimized to clean a few remaining hot spots. The cleanup should progress quickly with the infrastructure out of the way to increase airflow.

Dale Anderson: I worked out there for a number of years and it is good to see that facility finally demolished. I'd find dead animals stuck in the impoundment. Sometimes it would almost bring tears to your eyes when you'd find ducklings and frogs and whatnot that got stuck in the impoundments and died of exposure, so I'm glad to see that facility demolished.

Frank Miller: Earlier this year this mailer was mailed to me. The point of contact is Mary Hall. It says that the Air Force sends out information through the mail to more than 2,200 names. I was wondering if you have recently culled the list?

Mary Hall explained that addresses are updated as mailers are returned by the Post Office and the list is culled when people call to remove themselves from the list.

Frank Miller: I raise the question because at this point in time regarding budgetary concerns it would be a shame to waste resources sending mail information to over 2,200 people.

As long as you're paying attention to culling the information from time to time. In the same vein, talking about budgetary issues, it's been about two years since I raised the issue of how much money has been spent on the environmental program here, since the very beginning, since 1979. Now about two years ago a slide was produced that had a cumulative total and it has been about two years now since we've seen any monetary information on that. Perhaps you could update that info so we can get a running total on how much money is being spent. Cost is an issue. Your central banker is bankrupt. That's an issue.

Mr. Hersh noted that as taxpayers everyone funds the program. His experience is that, especially in the last five years, the Air Force has gone through an extraordinary transition to be extremely cost effective with the program. It also goes to an extraordinary level to outreach to the community. To save \$400 or \$500 on a mailing list would be a mistake. He noted that the EPA considers it a success to come to the Transportation Fair to get 20 names and he thinks that is important. It is a scary topic and it's being handled in a very professional and efficient manner. Mr. Hersh attributed the success of McClellan Park to the professional way in which the Superfund site being managed. He would suggest spending another \$400 and increasing the list and keep working hard to get the word out.

Mr. Green asked how the 2200 names got on the list.

Ms. Hall said she isn't aware of how the original list was developed, however, since then, names are added as people request to be added through various outreach events.

Mr. Green suggested that a one-time query be sent to original names asking if they wish to remain on the list.

VII. RAB Members' Questions, Advice, Comments, and Announcements

The RAB members thanked everyone for coming and wished everyone a wonderful holiday and new year.

Ms. Gardner said she spoke with one North Highlands resident who said she didn't pay attention to the mailers because she didn't understand it (the cleanup).

Mr. Blanchard suggested using a perforated return postcard for soliciting feedback from people on the mailing list.

Mr. Hersh suggested presenting anticipated future spending along with the presentation of funds spent to date on the cleanup program. He also suggested that perhaps the RAB could offer some suggestions for mailers to make them more efficient and effective.

The meeting was adjourned at 8:30 p.m.



McClellan Restoration Advisory Board

DEC 1, 2009 RAB Meeting
Lions Gate Hotel and Conference Center

Please sign the attendance sheet. This sign in sheet is used by the Air Force and EPA for mail list purposes

NAME(ORGANIZATION)	ADDRESS	EMAIL
JEROME L. QUINT	5077 DIABLO DR SACRAMENTO CA 95842	Jerryquint@juno.com
Barbara Brenner	City of Sacramento 915 I ST. Sacramento 95814	bbrenner@cityof.sacramento.org
Peggy Knechtges	6329 Moraga St, North Highlands CA 95640	peggyaswans@yahoo.ca
John Berchielli	6505 Pearson Ln. N.H. Ca. 95660	dycoyproject@comcast.net
Viola Cooper (USEPA)	on file	cooper.viola@epa.gov
Warren Jung (SSWD)	3701 MARLONI AVE, STE 100, SAC, CA 95824	wjung@sswd.org
Charles Yarborough	Robla Community	
Andy Gamir	CH2M Hill	agamir@ch2m.com
JAMES TAYLOR	CX RW QCB	
Manus Simpson	DTSC	M.simpson@DTSC.CA.GOV
FRANK MILLER	same	
Caroline Gardner	3408 McClellan Mall	J
BEN MALISOW	3140 PEACEKEEPER, STE. 101	BEN.MALISOW@TETRATECH.COM

**McClellan Restoration Advisory Board (RAB) Meeting
Lions Gate Hotel and Conference Center, Club Room B
Tuesday, December 1, 2009, 6:30 – 8:30 pm**

AGENDA

<u>TIME</u>	<u>TOPIC</u>	<u>LEAD</u>
6:30 – 6:35	Welcome & Introductions	Facilitator
6:35 – 6:40	Agenda & Comments on September Minutes	Facilitator
6:40 – 6:45	RAB Co-chair Update	Community Co-chair Paul Green Jr.
6:45 – 6:55	Community Co-chair Elections Procedure <i>Goal: Codify in the RAB Operating Procedures the process for conducting community co-chair elections</i> <i>Process: Discussion and RAB vote</i>	Paul Green Jr.
6:55 – 7:20	Air Force Cleanup Update <i>Goal: Provide an update of current field activities and key documents.</i> <i>Process: Presentation and Q&A</i>	Air Force Steve Mayer
7:20 – 7:30	Local Redevelopment Authority Activities <i>Goal: Provide an update of Local Redevelopment Authority activities.</i> <i>Process: Presentation and Q&A</i>	LRA Dana Booth
7:30 – 7:35	Parcel C6 Early Transfer with Privatized Cleanup Status <i>Goal: Update the RAB and community about the Parcel C6 privatized cleanup project, and to discuss issues as necessary.</i> <i>Process: Presentation and Q&A</i>	EPA Yvonne Fong
7:35 – 7:50	McClellan 5-Year Review <i>Goal: Provide a summary of the findings and recommendations from the recently completed 5-Year Review.</i> <i>Process: Presentation and Q&A</i>	Air Force Steve Mayer
7:50 – 7:55	Regulatory Update	Regulatory Agencies
7:55 – 8:10	Building 252 Remedial Investigation and Feasibility Study <i>Goal: Provide preliminary information from the study to allow the RAB an opportunity to provide input on the development and evaluation of the cleanup alternatives for Building 252.</i> <i>Process: Presentation and Q&A</i>	Air Force Steve Mayer
8:10 – 8:25	Public Comment <i>Goal: Provide opportunity for members of the public to comment.</i> <i>Process: Public members fill out a comment card indicating their desire to speak. The facilitator will call each person to the microphone. Speakers are asked to limit their comments to 3 minutes, however, more time may be allowed as necessary and available.</i>	Facilitator
8:25 – 8:30	RAB Members Advice, Comments, & Announcements <i>Goal: Solicit advice from each RAB member for upcoming agendas, and provide an opportunity for RAB members to express brief comments and/or make announcements.</i> <i>Process: Around the table for each member to offer agenda suggestions, comments, and announcements; comments will be recorded and will form future agendas.</i>	RAB

MEETING GUIDELINES

Ground Rules

- *Be progress oriented*
- *Participate*
- *Speak one at a time*
- *Be concise*
- *Use "I" statements when expressing opinions*
- *Express concerns and interests (not positions)*
- *Focus on issues not personalities*
- *Focus on what CAN be changed (not on what can not be changed)*
- *Listen to understand (not to formulate your response for the win!)*
- *Draw on each others' experiences*
- *Discuss history only as it contributes to progress*

Facilitator Assumptions

- *We are dealing with complex issues and no one person has all the answers*
- *Open discussions ensure informed decision making*
- *Managed conflict is good and stimulates creativity and innovation*
- *All the members of the group can contribute something to the process*
- *Everyone is doing the best they can with the knowledge they have now*
- *Blame is unproductive and dis-empowering*

McClellan Restoration Advisory Board Operating Instructions, 28 November 2001

Amendment 1, 1 December 2009

An addition to Section III of the Operating Instructions

III. g). Community Co-chair. The role of Community Co-chair is defined in Chapter 4 of the *Restoration Advisory Board Rule Handbook* issued by the Office of the Secretary of Defense, February 2007.

The McClellan RAB community co-chair serves a one-year term. Any RAB community member may serve as co-chair. Nominations are made at the time of the election. The community co-chair is elected by a simple majority of members (including agency representatives) voting at the RAB meeting. All RAB members, excluding the Air Force co-chair are eligible to vote; however, any member may abstain from voting. Vote is by a show of hands.

**BRAC Cleanup Team Meeting
2 and 3 December, 2009**

FIELD REVIEW:**Groundwater Program Activities****a) McClellan Ground Water Treatment System (GWTS)**

The GWTS is operating at 1357 gpm with the following 10 wells shut down because VOC concentrations are less than the MCLs : OU B EW-284 (A zone), EW-307 (C), EW-309 (D), EW-364 (BC), OU D EW-86 (AB), OU A EW-435 (AB), EW-336 (A/B) OU C EW-137 (B), EW-446 (A), and OU H EW-454 (AB). These wells are being monitored for rebound. Wells EW-247, EW-308, and EW-383 were shutdown on 22 January to evaluate their effect on nearby well VOC concentrations. The CERCLA treatment system is operating normally. The ion exchange system is operating normally; *expected to be optimized to a single 60-cubic-foot vessel with startup testing beginning the week of 7 December*. Four million gallons of GWTP effluent water diverted to the Long Storage Ponds to facilitate MBP/Teichert SSSRP crossing Magpie Creek is ready to be pumped back to Magpie Creek outfall. *The OU-D GW pipeline near Shelter Road bridge was cut and removed to facilitate construction of a SS manhole. OU-D wells were shutdown for five days while the manhole was constructed and then the pipeline was restored and OU-D wells restarted.*

b) Davis GWTS - The Davis GWTS is shut down for rebound and chemical in situ study. The semi-annual sampling event *was completed the week of 23 November*. The work plan addendum for the Phase 3 treatability study is in progress *and will be submitted in December*.

c) Ground Water Monitoring Program (GWMP) The 4Q09 event began on 5 October with a base-wide groundwater level survey and well total depth measurements.

Soil Vapor Extraction (SVE) Program Activities**d) Soil Vapor Extraction (SVE) Systems**

(4 of 14 SVE systems operating, removing vapors from 3 of 19 SVE sites). System uptime is calculated from 14 *October* through 1 December 2009.

- 1) IC 1 vapor-phase granular activated carbon (VGAC) is not operating. The system was shut down for a rebound study on 31 March 2009.
- 2) IC 7 VGAC is not operating. The system was shut down for a rebound study on 31 March 2009.
- 3) IC 19/21 Flameless Thermal Oxidizer (FTO) is operating normally, treating vapors from IC 19 only. (100% uptime)
- 4) IC 19/21 VGAC is not operating. The system was shut down for a rebound study on 21 April 08.
- 5) IC 23 SVE system is not operating. The system was shut down for a rebound study on 21 April 2008.
- 6) IC 25/29/30/31/32 SVE is not operating. The system was shut down for a rebound study on 11 January 2008.
- 7) IC 34/35/37 Flameless Thermal Oxidation (FTO) system is not operating. The system was shut down for a rebound study on 17 July 2008.
- 8) IC 34/35/37 VGAC is not operating. The system was shut down for a rebound study on 27 May 2008.
- 9) IC 42 SVE is not operating; the system was shut down for a rebound study on 11 July 2007.
- 10) OU C1/PRL 66B Flameless Thermal Oxidizer (FTO) is not operating. The system was shut down for a rebound study on 17 July 2008.
- 11) OU C1/PRL 66B VGAC is not operating. The system was shut down for a rebound study on 17 July 2008.
- 12) OU D VGAC is operating normally, treating vapors from OU D only. *A carbon change of the primary and secondary VGAC vessels was completed on 10 November*. (100% uptime)
- 13) OU D Thermal Oxidizer is operating normally, treating vapors from OU D only. (100% uptime)
- 14) B 243/PRLS 039 VGAC *is operating normally, treating vapors from PRL S-008 in B 243 only. (100% uptime)*.

e) Monitoring and Technology Well Destruction Project - Field activities for the 2009 Groundwater Well Decommissioning Work Plan were completed the week of 7 September. A completion report was submitted on 2 October.

NOTE: *Italicized text represent update changes*

BCT & RPM Field Activities Update 2 & 3 Dec 2009

Margin or Underlined text represent corrective changes

Petroleum, Oil, and Lubricants (POL) Cleanup Activities

f) POL Program:

- 1) Biovent (PRL S-040) system - System operating normally.
- 2) The Basewide Fuels Investigation –The BW Fuels Investigation Report *was issued on October 27 and comments are pending.* Bldg. 4 and Bldg. 1036 (Systems) – *Workplan to install the bio-vent systems have been issued and comments are pending.*
- 3) Building 475 G Bay UST – An unknown UST was discovered during excavation for a new electrical service on the NorthWest side of B/475 G (CS 38). *The tank has been removed and no visible contamination was observed. Analytical results are pending.*

Radiation Program Activities

g) Radiation Program.

- 1) CS-10 –Site inspections are conducted weekly.
- 2) **Building 252 Remedial Investigation** – The radiological scanning of all the interior surfaces and roof of Building 253 and Building 252 has been completed. Results showed contamination still present. *Survey of potentially elevated measurement locations was completed.*

Soil Remediation, Investigation and Management Activities

- h) OU B1 Drainage Ditch and OU D Cap O&M Update** — The *Third Quarter* Inspection Reports were issued to the agencies in *mid-November*. The site walk-through for the *fourth quarter* is *scheduled for 3 December*. *Sediment traps ST – 2 and ST – 4 were cleaned in October.*
- i) Sanitary Sewer System Replacement Project Area C (OU-C)** *Trench backfill has been completed in CWSs BC-4-1, BC-3-1, BC-1-3, BC-1-5, BC-2-2, BC-2-3 BC-1-5, BC-2-2, BC-2-3, BC-3-1, BC-4-1, BC-1-4 and a portion of BC-2-5. Construction is currently underway in CWSs BC--1-1 and BC-1-1. All of the creek crossings were completed without incident.* Lift Station 331 replacement construction nearing completion. The AF diverted GWTP effluent from Magpie to the storage ponds to allow Teichert to complete the Magpie Creek channel crossing.
- j) Industrial Waste Collection System:** More than 100 manholes have been investigated and all sediment sample collection *and in-situ radiological measurement* activities are complete. Laboratory results *are complete* and an update on the investigation results will be provided at the *December BCT* meeting. Pressure washing and video surveying of the IWL will begin in *December 2009*. *Abandonment of the IWL Line on Forcum Ave south of Dudley Blvd. by MBP Contractor commenced mid-November and is slated to be completed by Mid-December.*
- k) Small Volume Sites Investigation:** The Draft RICS Addenda and FS document was submitted on 20 July for agency review. *Sampling at SA 081 in the Union Pacific right away was completed in November.*
- l) Follow-On Strategic Sites- Sampling.** *Step-out sampling began October 26th and included sampling of Old Magpie Creek Channel, PRL 020, PRL S-039, and various sites identified as needing additional data. The field work was completed 6 November.*
- m) PRL 032** expanded RI sampling has resumed with the FOSS contract. Six samples from PRL 032 contained concentrations above the DCGLs for radium. Waddles were placed around the excavated pits to control surface water runoff and tarps were placed on areas with elevated concentrations at the edge of the pits. *Site Remediation will be completed under the Follow-On Strategic Sites Project.*
- n) Skeet Range Site Investigation** –The field work for the Site Investigation was completed October 8, 2009. *Preparation of the working copy of the RI/FS began in October and will be completed by 4 December.*

Wetlands/Habitats Management and Maintenance Activities

- o) Airfield mowing** has been put on hold due to the rainy season.
- p) Field Mowing of MBP Leased Properties** Air Force oversight of mowing of MBP leased properties is ongoing to ensure that the conditions of the USFWS consultation are implemented.

Key Documents and Events of Interest to the RAB 1 DEC 09 RAB Meeting

	Document	Document Description	Status	FOSET
1	Initial Parcel #3 Proposed Plan / Record of Decision	Presents preferred cleanup alternatives for 45 sites	Pending FOSET #1 Privatization, EPA to prepare documents	FOSET #1
2	FOSET #1 (Finding of Suitability for Early Transfer)	Documents the environmental restrictions in support of an early transfer of property associated with IRP sites in the LRA Initial Parcel ROD #2 and ROD #3	Document has been revised to reflect privatization strategy, anticipate completion in conjunction with privatization schedule, anticipated completion early 2010	FOSET #1
3	Small Volume Sites Remedial Investigation Characterization Summaries/Feasibility Study	Details investigation results and evaluates cleanup alternatives for 91 sites.	Agency Reviewing Draft. Final estimated April 2010.	FOSET #2
4	Building 252 Remedial Investigation Characterization Summary/Feasibility Study	Details investigation results and evaluates cleanup alternatives for Building 252	Draft Final due to regulators mid-Dec. Final estimated Feb 2010.	FOSET #2
5	FOSET Large #2 (Finding of Suitability for Early Transfer)	Documents the environmental restrictions in support of an early transfer of property. Includes 95 sites (primarily from Small Volume Sites ROD and Building 252).	Document is final and awaiting amendment and signature in conjuncture with FOSET #2.	FOSET #2
6	Follow-On Strategic Sites Remedial Investigation Characterization Summary/Feasibility Study	Details investigation results and evaluates cleanup alternatives for additional landfill and soil sites (108 sites)	Draft anticipated in late Feb. Final scheduled for late Summer.	FOSET #3
7	Focused Strategic Sites ROD	Documents cleanup decision for 11 sites, including firing training area, small arms firing range and large landfills	Release of Draft ROD is anticipated for early 2010.	FOSET #3
8	Ecological Sites Record of Decision	Documents cleanup decisions for ecological sites, creeks and vernal pools	Final Feasibility Study due Jan 2010. Proposed Plan anticipated May 2010.	FOSET #3
9	FOSET #3 (Finding of Suitability for Early Transfer)	Documents the environmental restrictions in support of an early transfer of property. Includes 133 sites.	Document is final and awaiting revision in conjunction with Privatization strategy.	FOSET #3
10	AOC G-1 Record of Decision.	Addresses two suspected burial pits and small arms firing range in northeast McClellan (ballfields area)	In signatory process with regulatory agencies.	

11	Parcel M FOST	Finding of Suitability for Transfer document approximately 25 acres, including Freedom Park and Aerospace Museum.	Air Force issuing Draft Final. Final FOST anticipated late Jan 2010.	
12	Parcel L2/L3 FOST	Finding of Suitability for Transfer document approximately 4.2 acres	Air Force is responding to comments and preparing Final document.	
13	Five Year Review	Formal evaluation of ongoing cleanup activities to ensure they are working properly.	Complete in October 2009.	

McClellan 5-Year Review

Air Force Real Property Agency
Steve Mayer
Base Environmental Coordinator



1 December 2009

5-Year Review



- Required under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)
- Reviews and evaluates:
 - Effectiveness of remedial action that have taken place
 - General changes in standards
 - New information
 - Overall protectiveness

Records of Decision (RODs)



- Operable Unit (OU)B1 Interim ROD (1993)
- Final Basewide Volatile Organic Compound (VOC) Groundwater ROD (2007)
- Final Initial Parcel #1 and #2 ROD (2004 and 2008)

Findings and Recommendations



- All cleanup programs instituted thus far are operating as intended and are protective
- General recommendations
 - Continue ongoing monitoring of effectiveness and changing conditions
 - Complete CERCLA process to final remedies



OU B1 Cap and Drainage Ditch

□ Former open storage

- Interim remedy includes engineered cap and sediment traps

□ Recommendations

- Continue quarterly inspections and necessary maintenance
- Complete Initial Parcel #3 ROD
- Continue to monitor sediment traps in drainage ditch





Groundwater

- Groundwater cleanup began in 1980s
 - Pump and Treat system
 - Soil Vapor Extraction (SVE)
- Recommendations
 - Groundwater
 - Define the OU A central plume in the C and D zones
 - Continue system optimization
 - Improve reliability of power supply to treatment plant
 - SVE
 - Monitor rising groundwater levels





Initial Parcels #1 and #2

- Areas with high reuse potential, including buildings, storage areas, parking lots and lawns
 - IP #1 remedy
 - no action and excavation
 - IP #2 remedy
 - institutional controls and excavation with off-site disposal



- Recommendations
 - Address fuel contamination at PRLS 40 (off Arnold Ave)
 - Investigate and characterize potential release into the old Magpie Creek Channel



Other sites and programs

- OU D Cap
- Potential Release Location 32
- Focused Strategic Sites
- Building 252
- Ecological Sites



OU D Cap

- Former disposal pits for sludge from wastewater treatment
- Part of Focused Strategic Sites ROD
 - Interim remedy:
 - engineered cap/
site controls
- No recommendations from this review





Potential Release Location 32

- Former hazardous waste and low-level radioactive waste storage area
 - Part of Focused Strategic Sites ROD
 - Interim remedy includes excavation and off-site disposal and site controls
- No recommendations from this review

Focused Strategic Sites



- Former disposal pits and landfills, and a small arms firing range and fire training area
- Interim remedies include:
 - Site controls to prevent access and potential exposures
 - Removal action at Confirmed Site (CS) 10
- Recommendations
 - Complete and finalize ROD and implement final remedial actions

Building 252



- Former instrument repair shop; Building 253, former storage building, and underground storage tanks
 - Interim remedial actions include removal of contaminants and site access restrictions to limit exposure
- Recommendations
 - Maintain site access restrictions
 - Complete feasibility study and ROD

Ecological Sites



- Vernal pools, creeks, tailings piles and West Nature Area
 - Remedial measures not yet in place for these sites

- Recommendations
 - Complete feasibility study and ROD



View Full Report



- McClellan Information Repository

3411 Olson Street, McClellan, CA 95652

Hours: 8 a.m. to 3 p.m. Monday – Friday

For an appointment, call (916) 643-1250, ext. 201

- Online at:

<https://afrpaar.lackland.af.mil/ar/docsearch.aspx>

McClellan, AR document # 6588

McClellan
Building 252 Investigation and
Feasibility Study

Air Force Real Property Agency
Steve Mayer
Base Environmental Coordinator



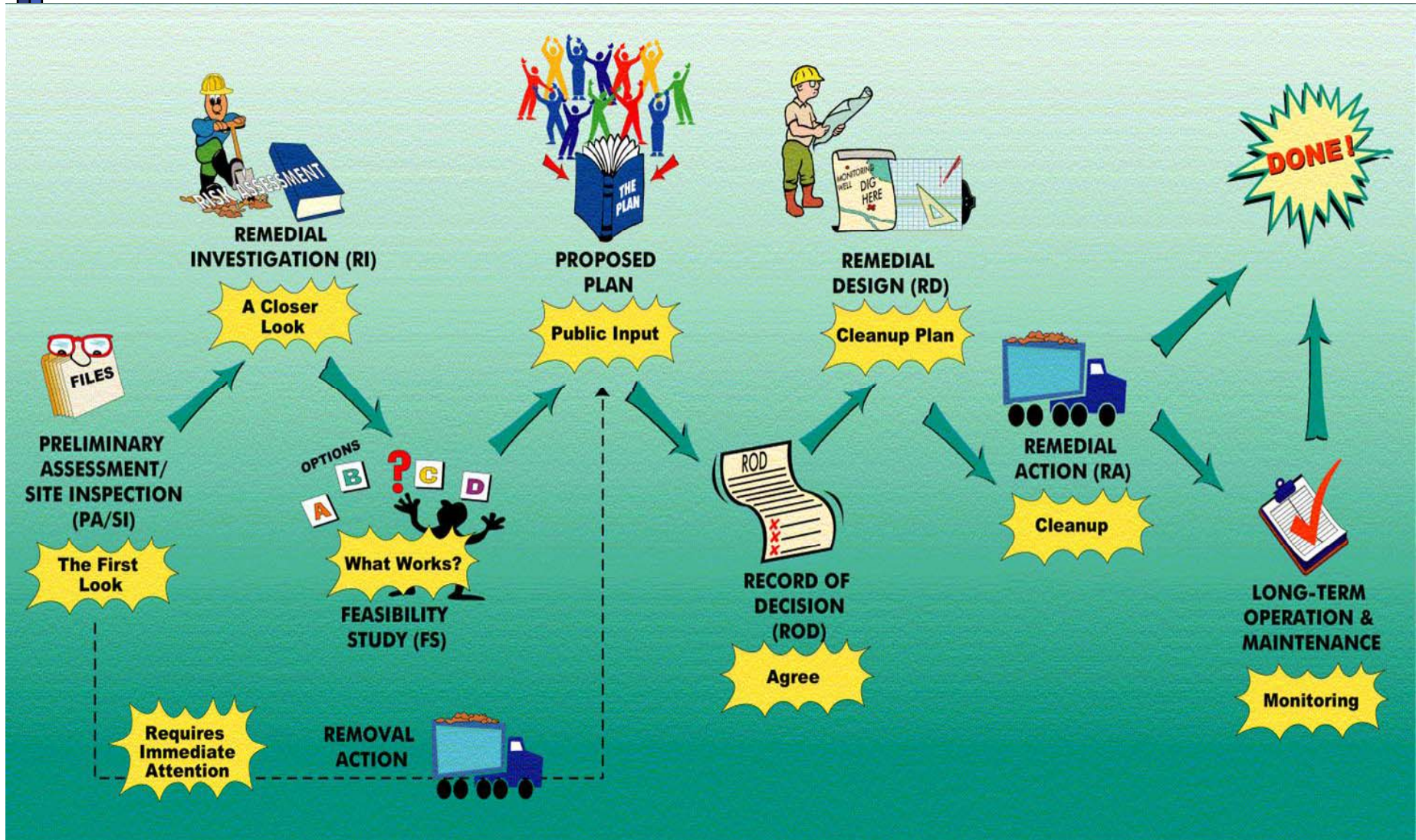
1 December 2009

Historical Overview



- 1936 – 2001- McClellan was an aircraft overhaul and repair depot and supply base
- Building 252 operated from 1937 through 1980s
 - Radium dial painting
 - Manometer repair
- 1987 – McClellan placed on US Environmental Protection Agency National Priorities List
- Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)

CERCLA Cleanup Process



Building 252 Sites



- ❑ Soil beneath Building 252 - former repair shop and radium dial painting facility
- ❑ Building 253 - small storage outbuilding attached to the southeast portion of B252
- ❑ Confirmed Site (CS) T-030 - six formerly used underground storage tanks immediately south of B252
- ❑ Sewer and disposal lines



Related Investigations

- Radiological surveys of aboveground portions of B252 and B253
- Ultimate disposition of B252 site is dependent on the outcomes of both the remedial investigation/feasibility study/record of decision process and the radiological site closure process





Contaminants of Concern

- Volatile organic compounds (VOCs)
 - detected below screening levels in shallow soil gas
 - not considered a contaminant of concern for feasibility study
- Mercury
 - sanitary sewer line
 - B252 soil
- Radium
 - concrete, surface soil, and subsurface soil
 - outside B252, inside B252, and beneath B252



Exposure Pathways

- Impacts on human health via direct contact with soil
- Impacts to surface water from non-volatile organic compounds (non-VOCs) and radionuclides
- Impacts to groundwater from non-VOCs and radionuclides



Cleanup Goals

- Protect human health from exposure to contaminants in excess of regulatory standards
- Protect surface water and groundwater quality



Alternatives Evaluated

- No Action
 - Required under CERCLA
- Institutional Controls (Restricted Land Use)
 - Deed and access restrictions
 - Monitoring and evaluation
- Excavation and Disposal (Restricted Land Use)
 - excavation of soil with contaminant concentrations exceeding industrial, groundwater, and surface water preliminary cleanup goals
 - Disposal at licensed landfill
 - Institutional controls to ensure protectiveness
- Excavation and Disposal (Unrestricted Land Use)
 - excavation of soil with contaminant concentrations exceeding unrestricted preliminary cleanup goals
 - Disposal at licensed landfill
 - No institutional controls

CERCLA Criteria



- ❑ Overall protectiveness of human health and the environment (including groundwater)
- ❑ Compliance with state and federal environmental requirements
- ❑ Long-term effectiveness
- ❑ Reduction of toxicity, mobility, or volume of contaminants through treatment
- ❑ Cost
- ❑ Short-term effectiveness
- ❑ Implementability
- ❑ State acceptance
- ❑ Community acceptance

Next Steps



- Air Force preparing Draft Final Feasibility Study
 - RAB participation encouraged during FS process
- Final Feasibility Study: February 2010
- Proposed Plan of Air Force's preferred alternative
 - Public comment period Summer 2010
- Record of Decision: Early 2011