



# MCCLELLAN AFB CALIFORNIA

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## ADMINISTRATIVE RECORD COVER SHEET

AR File Number 7771



**DEPARTMENT OF THE AIR FORCE**  
**AIR FORCE CIVIL ENGINEER CENTER**

**SEP 11 2013**

**MEMORANDUM FOR SEE DISTRIBUTION**

**FROM:** AFCEC/CIBW  
3411 Olson Street  
McClellan CA 95652-1003

**SUBJECT:** Restoration Advisory Board Meeting Minutes, 19 March 2013

1. Attached please find the final minutes from the 19 March 2013 McClellan Restoration Advisory Board (RAB) meeting held at the North Highlands Recreation Center as approved by the RAB members at the June 2013 meeting.
2. If you have any questions or comments, please contact Ms. Mary Hall, at (916) 643-1250, extension 232.

A handwritten signature in blue ink, appearing to read "S. K. Mayer", is positioned above the printed name.

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

Attachments:  
Final Meeting Minutes, 19 March 2013

**DISTRIBUTION LIST**  
**Final 19 March 2013 McClellan RAB Meeting Minutes**

**Electronic Copy**

Robert Blanchard, RAB  
William Clements, RAB  
Kathy Gallino, RAB  
Paul Green, Jr., RAB  
Alan Hersh, RAB  
Glen Jorgensen, RAB  
Randy Orzalli, RAB  
Paul Plummer, RAB

Trent Sunahara, Field Representative,  
Congresswoman Doris Matsui

Charnjit Bhullar, US EPA  
SJ Chern, US EPA  
Viola Cooper, US EPA  
Bob Fitzgerald, US EPA  
Kim Hoang, US EPA  
Radhika Majhail, DTSC  
Stephen Pay, DTSC  
Mark Clardy, Central Valley RWQCB  
James Taylor, Central Valley RWQCB  
Kent Craney, Sacramento County

Phil Mook, AFCEC/CIBW  
Paul Bernheisel, AFCEC/CIBW  
Joe Ebert, AFCEC/CIBW  
Linda Geissinger, AFCEC/CIBW  
Steve Mayer, AFCEC/CIBW

Mary Hall, Air Force contractor  
Brian Sytsma, Air Force contractor

**Electronic Copy**

Andy Cramer, CH2M Hill  
Stuart Freeman, URS  
Paul Graff, URS  
Molly Henderson, Tetra Tech  
Warren Jung, Sacramento Suburban Water  
District  
Tiffany Mendoza, URS  
Deanna Osborn, Tetra Tech

Alan Chickos, community  
Mary Harris, community  
Jerry Koopman, community  
Warren Myhre, community  
Lee Whitehead, community

**Hard Copy**

Gary Collier, RAB  
Carolyn Gardner, RAB  
Tina Suarez-Murias, RAB  
Frank Miller, community  
McClellan Admin Record

McClellan Air Force Base (AFB)  
 Restoration Advisory Board (RAB) Meeting Minutes FINAL  
 March 19, 2013 -- McClellan, California

Time: 6:30 PM

Place: North Highlands Recreation Center  
 North Highlands, California

### RAB Member Attendees

<u>NAME</u>	<u>AFFILIATION</u>
ROBERT BLANCHARD	RIO LINDA-ELVERTA COMMUNITY; CO-CHAIR
SJ CHERN	U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)
GARY COLLIER	PARKER HOMES, WEST SIDE OF BASE
BOB FITZGERALD	U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)
KATHY GALLINO	SACRAMENTO COUNTY, LOCAL REUSE AUTHORITY
PAUL GREEN	EDUCATION COMMUNITY
ALAN HERSH	MCCLELLAN BUSINESS PARK
GLENN JORGENSEN	NORTH HIGHLANDS COMMUNITY
STEVE MAYER	AIR FORCE CIVIL ENGINEER CENTER; CO-CHAIR
TINA SUAREZ-MURIAS	ENVIRONMENTAL COMMUNITY
STEPHEN PAY	CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCE CONTROL
JAMES TAYLOR	CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

### I. Welcome, Introductions and Agenda

Mr. Bill Davis welcomed everyone to the meeting and introduced himself as the meeting facilitator. Attendees signed the sign-in sheet (Attachment 1), and picked up available handouts. Mr. Davis read a statement of the purpose of the RAB, went over the agenda (Attachment 2), and the general format of the meeting, including how to be recognized as a speaker during the meeting and when to ask questions.

Mr. Davis invited the RAB members to introduce themselves and the stakeholder groups they represent. He invited members of the audience to introduce themselves and state if they have an interest in a particular issue. Attendees are listed on the attached sign-in sheet.

Three audience members had the following items of interest:

- An announcement that on April 22 there will be a free Field Training Expo by the Association of Environmental Engineering Geologist at the Fire Training facility at the corner of Arnold Ave. and Peacekeeper Dr.
- A request for information about Sacramento County's proposal to lift the groundwater well moratorium around McClellan.
- A request for information about monitoring the off-base creeks and vernal pools.

## II. December 2012 Minutes

Mr. Davis asked if there were any comments or changes to the December 2012 meeting minutes. There being no comments or changes, the minutes are considered approved.

## III. Community Co-chair Update

Mr. Blanchard reported that this week marks the anniversary of the famous World War II Jimmy Doolittle raid and that this year there were only three surviving airmen at their annual reunion.

## IV. Air Force Cleanup Update

Mr. Mayer invited the RAB members to review on their own the *BRAC Cleanup Team and Stakeholder Meeting Field Review* for March (Attachment 3).

Mr. Hersh noted that at the last meeting he expressed concerns on behalf of McClellan Park regarding the number and location of wells to be installed for the groundwater optimization program at IC 29. He reported to the group that the Air Force and its contractor have been very accommodating in working with McClellan Park to address the Park's concerns and the project has been moving forward smoothly.

Mr. Mayer next went over the *Key Documents* (Attachment 4). Only information and comments not presented in the attachment are recorded in these minutes.

Regarding the Ecological Sites Record of Decision (ROD), Mr. Mayer said the ROD includes monitoring of the creeks and vernal pools for contaminants after the removal actions take place. Results will be reported in the Five-year Review.

## RAB Discussion

Mr. Jorgensen said that in Item 4, Follow-on Strategic Sites Non-time Critical Removal Action sites are broken into three groups but only two groups are listed. He asked what is the status of the third group. Mr. Mayer responded that the draft report for the Group 3 sites has not been issued yet.

Ms. Suarez-Murias asked if the green highlight on the runway in the slide for Follow-on Strategic Sites indicates it is a contaminated site. Mr. Mayer said it was identified as a site for further investigation, but remedial actions are not required.

Regarding Items 7 and 8 on the list, Ms. Suarez-Murias asked for clarification if the scans at CS 10 were conducted to verify that all the contaminants had been removed. Mr. Mayer said yes. She asked if the contaminated soils, including radium contaminants, from the base will go back into the engineered, lined landfill. Mr. Mayer said that is correct.

Ms. Suarez-Murias also asked what are the contaminants in the sites adjacent to CS 10. Mr. Mayer said the sites were additional landfills and will be capped. She asked if they contained any metals or leachable materials. Mr. Mayer said they did not. He said there is a soil vapor extraction system operating in the area principally dealing with the materials from the fire training area above the former landfills. Ms. Suarez-Murias asked if the cap would act as a barrier preventing migration of contaminants. Mr. Mayer said yes. The cap, monitoring, and the SVE are all part of the remedy for that area.

She asked where IC 29 is. Mr. Mayer pointed out its location on the east side of the base. It is a parking lot about an acre in size.

Ms. Suarez-Murias asked what would be the mitigation for the vernal pools being excavated. Mr. Mayer said most would be mitigated for through the West Nature Area. Mr. Hersh said the West Nature Area is a 220-acre zoned nature preserve that has a restriction in perpetuity to protect the vernal pools and wetlands. He said the preserve can provide preservation credits, but not wetland creation credits. She asked if the acreage being preserved is equal to the acreage that is being removed? Mr. Meyer said preservation credits are typically required at a 3-to-1 offset. The credits take what is already existing and locks it away and protects it permanently.

She asked what would have been the land use in that area had the West Nature Area not been set aside? Mr. Hersh said the land had medium to low quality wetlands, but there was not a mechanism or funding in place to make sure it was preserved. So in consultation with the US Fish and Wildlife Service, the California Department of Fish and Wildlife and the Army Corp of Engineers, a program was established to preserve and protect the area. As development or environmental remediation occurs at McClellan, a fee equivalent to what would be paid to an offsite bank will be paid to buy preservation acreage at the preserve. This will fund in perpetuity maintenance of the preserve. He cited for example, this spring, McClellan Park will bring goats back to the West Nature Area to graze and maintain the vegetation for the pools.

Referring to Ms. Suarez-Murias' question about the nature of the contaminants in the landfills, Mr. Collier asked if ground radar screening was used to determine the contents of the landfills. Mr. Mayer said her question related to leaching into the groundwater, and years of testing has shown that contaminants are not leaching. Materials have been in there for at least 50 years, and the ongoing rainfall is not causing any leaching. The Air Force is going to go ahead and put a protective cap on top to make sure nothing changes in the future.

#### Questions from the public

There was a question from a gentleman who is recruiting volunteers in the community for a Creek Week cleanup effort off base. He said there is concern about contaminants migrating off base into those creeks and how is it monitored. Mr. Mayer said the Air Force has done extensive testing of the creek sediments. There will be some excavation work in Magpie and Don Julio creeks. Most of the contaminants are actually covered by the linings in the creeks. There has not

been an issue with offsite migration of the material. When the cleanup begins, the creek will be diverted to create a dry work area, and then the creek will be restored. It is a safe condition with no offsite migration. He stated that The Creek Week cleanup is a safe activity that volunteers can participate in.

A member of the community asked how federal budget cuts and sequestration are impacting McClellan programs. Mr. Mayer said that to date, there has not been an effect. He explained that programming requirements are identified at least a year in advance of the need. In addition, McClellan has shifted to a process in which the funding requirement for the entire program has been identified and validated, and then funding for each year is allocated. Currently the government is in a continuing resolution meaning that the federal government operates at 80 percent of designated funds, so all the cleanup programs are prioritized across the country. The availability of funds under continuing resolution sometimes constrains the flow of funding and programs have to wait on quarterly funds to arrive.

The gentleman said funds are being squandered and asked if any projects have been cancelled? Mr. Mayer said no. Under legal requirements, contracts that have already been awarded have to move forward and be paid per the contract.

Mr. Hersh said he objected to the use of the word “squandered.” He said the Air Force has a legal obligation to clean up McClellan and they are doing a fine job of doing it. If sequestration leads to cut in funds, this group should look to how to support the ongoing cleanup.

A community member asked for a brief description of the Davis site. Mr. Meyer said contaminants came from underground storage tanks that leaked solvents, primarily TCE, into the groundwater.

There was a question regarding the type of groundwater contaminants in the Rio Linda area that triggered the groundwater well prohibition zone. Mr. Meyer explained that the dominant groundwater contaminants were solvents, primarily trichloroethene (TCE). He said there were not any specific contaminants in Rio Linda. He explained that part of the reason for the prohibition zone was to stop wells in the community from pulling the contaminants off base. By having the extraction wells on base, the contaminants are cleaned through the pump and treat system and prevented from migrating off base. He said there are monitoring wells off base to ensure contaminants aren't migrating off base. The questioner asked about hexavalent chromium, and Mr. Mayer said there are a few small spots of chrome being removed. He suggested that she talk further with Air Force representatives after the meeting or at another time for more detailed information about the groundwater treatment and monitoring program.

There was a question about the injection process in Davis. Mr. Mayer said the Air Force is injecting vegetable oil that aids the natural biodegradation process there by providing nutrients to microbes that break down the contaminants. He said the treatment is very effective.

## V. Local Reuse Authority Activities

Ms. Gallino said the County will be moving forward on the Gateway 5A project, which is the last curve on Dudley. Construction is expected to begin in April and should finish this construction year. She also noted that the County will be working with the Air Force and

McClellan Business Park on FOSET 3 strategies. There will be a briefing for the RAB probably in the fall.

#### RAB discussion

There was no discussion from the RAB.

#### Questions from the public

There was a question on the location of the Dudley improvements. Ms. Gallino showed the location on a map, stating the improvements cover approximately 1800 feet.

### VII. Regulatory Update

Mr. Taylor from the Central Valley Regional Water Quality Control Board added additional information on the groundwater prohibition zone explaining that it was put in place in the 1980s as a precaution when the contamination was discovered. He noted that the Air Force paid to hook many homes to municipal water. Now that the contamination has been characterized fully, the county is considering removing the prohibition zone. He noted that there is also a consultation zone in Sacramento County that would remain in place. Any permit for a new well within 2000 feet of a known plume must go through a consultation process, and if the well would be detrimental to a known plume, then it would not be allowed. He said he did not know the status of the County's possible repeal of the prohibition zone. Ms. Gallino said she also did not know the status but offered to find out and forward the information to anyone interested.

There were no other regulatory updates.

#### RAB discussion

There was no RAB discussion.

#### Questions from the public

There were no questions from the public.

### VIII. McClellan Non Time-critical Removal Actions Update

Mr. Mayer invited the RAB members to refer to the handout in their packets with the table listing the Non Time-critical Removal Action sites and showing their locations on a map of McClellan (Attachment 5). He gave an update of the status of the sites (Attachment 6). Only information and discussion not provided in the handout and slides is recorded in the minutes.

Mr. Mayer noted that all the soil stored at Site CS 022 is covered and awaiting final disposal in the Consolidation Unit once it is constructed.

#### RAB discussion

There was no RAB discussion.



### Questions from the public

There was a question regarding how far down Magpie Creek was radium found. Mr. Mayer said it was only in the portions shown on the east side of the base. The Air Force collected sediment samples from the west side of the base but did not find any radium.

There was a question regarding the cost of cleanup and demolition of Building 252. Mr. Mayer said he did not have that exact figure as it was part of a larger contract. He said he would investigate and report back.

A community member asked what material was used to line Magpie Creek after the removal action. Mr. Mayer said it is a gunite liner with reinforcing wire meshing. He said this approach has been used at the base for 50 or 60 years with no problems. Because all the contaminants were removed, there was no requirement for a clay or geosynthetic liner.

### IX. McClellan Focused Strategic Sites Project Update

Mr. Mayer gave an update of the status of the Consolidation Unit as part of the Focused Strategic Sites project (Attachment 7). Only information and comments not presented in the attachment are recorded in these minutes. He noted that the Consolidation Unit has to be constructed before the other sites can be cleaned up. He said CS 024 is a high priority site, but it may have to be delayed to next year depending on the Consolidation Unit.

He noted that the current pit is approximately 60,000 yards and will be expanded to 360,000 yards as the CU. The clean soil will be stockpiled at various locations around McClellan and then used to backfill other excavations.

### RAB discussion

Mr. Jorgensen asked why CS 024 is a priority. Mr. Mayer said it is a prime site for redevelopment and reuse, particularly with its proximity to the rail tracks.

Ms. Gallino asked if the Air Force has been coordinating with the fire training and public safety training programs that use the facilities near CS 010. Mr. Mayer said yes, the Air Force and its contractor, URS have met with them on several occasions to discuss the final design of the area and the construction schedule. The design will support their reuse of the area.

### Questions from the Public

A community member asked if CS 24 is being excavated below grade? Mr. Mayer said yes, it will be below grade. The contractor is still evaluating whether or not shoring is needed.

The questioner asked what is the life expectancy of the tent materials and if they can be reused. Mr. Mayer said the tent had a 10-year warranty, and although it has held up beyond that, to reuse it would be a liability.

### XI. Public Comment

Frank Miller: *Regarding the last RAB meeting and the URS presentation, that I have a good news story for you. That plume in question is stable, small and shrinking. There is no need to drill 52 fracture shafts down in that area because that plume is just not worth it. There is no*

*emergent health situation coming from that plume. The good news story is that I can save the taxpayer a lot of money by just ignoring that. Now having said that, off base, to the west of the base, there were plumes out there, that you conveniently left off your maps. About 15 years ago you stopped describing plumes that were off the base and that was done for convenience and other reasons. But now you're focusing on a favorite plume on the east side of the base. The plume that URS Company is looking to monetize so you can all line your pockets with a non-essential project. Ok. Regarding, they talked about vernal plumes before. Vernal pools. These are nothing more than puddles. Puddles on an airport. You mentioned a nature area. You people show a complete lack of knowledge of aircraft operations. This is for you Bob. They want to encourage vernal pools enticing birds to an airport. They show an utter disregard to aircraft operations.*

Mr. Blanchard responded that birds and airplanes do not get along well and normal procedures are to not encourage birds near an airport. He said Mr. Miller has a good point. Although there is not a high density of birds here, it only takes one bird and one strike. He said he felt it shouldn't be encouraged. He said the environmentalists have cost taxpayers millions of dollars and if he was in charge of the project he would do it how he feels it should be done, regardless of the regulations.

Mr. Jerry Koopman: *I just have a comment for Steve. At Beale Air Force Base last year, we did \$65 million of construction and this year we will be lucky if we get \$32. I just want to let you know this whole thing may affect you next year after this fiscal year.*

## X. Privatized Cleanup Update

Mr. Hersh introduced Ms. Molly Henderson of TetraTech. She is one of the environmental program managers for the privatized cleanup under EPA as the lead agency (Attachment 8). Only information and comments not presented in the attachment are recorded in these minutes.

### RAB discussion

Mr. Green asked what "scoping" means. Ms. Henderson said it is essentially a planning meeting with McClellan Park, TetraTech, and EPA to determine the conceptual approach for completing the task in the Administrative Order on Consent for the FOSET #2 sites. Mr. Hersh added that EPA and the state agencies are the regulatory agencies in charge of the projects. In the scoping meeting, McClellan Park and TetraTech will outline their overall approach and preferred priorities and the agencies can then verify their resources to meet that approach or direct alternative approaches.

Mr. Jorgensen expressed his appreciation for the detailed cost clarification on the use of rail for soil transportation.

### Questions from the public

A community member asked where "off-site" disposal goes? Ms. Henderson said it depends on the type and level of contamination, but it does go to a licensed landfill - sometimes in southern California, Idaho, or Colorado. There are not any facilities locally.

The community member asked what is OU? Ms. Henderson said it stands for operating unit.

## XII. RAB Members' Questions, Advice, Comments, and Announcements

Mr. Green thanked the public affairs staff for the last newsletter that went out.

Mr. Jorgensen expressed his appreciation for the visuals provided in the meeting.

Ms. Gallino requested that the Air Force provide its new website address to the County so it may update its link to the site. Ms. Hall said she would send it.

Mr. Mayer invited the community to the annual McClellan Creek Cleanup on April 13 from 8:30 a.m. to 11:30 a.m. (Attachment 9).

Mr. Mayer also invited everyone to stay for cake to celebrate the signing of the Ecological Sites Record of Decision.

The meeting adjourned at 8:25 p.m.

Next McClellan RAB meeting: Tuesday June 18, 6:30 p.m. at North Highlands Recreation Center.



# McClellan Restoration Advisory Board Meeting

Tuesday, March 19, 2013

Name/Organization	Address	Email	Add to Mailing List?
Lee Cooper			
LEE WHITEHEAD			
Alan Chicks			
Shiann-Jang Chen			
BOB FITZGERALD			
Frank Miller			
DEANNA OSBORN			
Molly Henderson			
Radhika Majhail			
JAMES TAYLOR			
Tina Suarez-Murias			



# McClellan Restoration Advisory Board Meeting

Tuesday, March 19, 2013

Add to  
Mailing  
List?

Name/Organization	Address	Email	Add to Mailing List?
WARREN MYNRE			
WARREN JUNG			
Kathy Gellins			
Mike			
Stephen Ray			
Tiffany Mendoza			
Mary Harris			
Stuart Freeman			
Andy Cramp			
Paul Bernheisel			
Frank Miller			

Frank Miller

**McClellan Restoration Advisory Board (RAB) Meeting**  
**North Highlands Recreation Center**  
**Tuesday, March 19, 2013, 6:30 – 8:30 pm**

## AGENDA

<u>TIME</u>	<u>TOPIC</u>	<u>LEAD</u>
6:30 – 6:35	Welcome & Introductions	Bill Davis, Facilitator
6:35 – 6:45	Agenda & Comments on December Minutes	Bill Davis, Facilitator
6:45 – 6:50	RAB Co-chair Update	Community Co-chair Robert Blanchard
6:50 – 7:10	<b>Air Force Cleanup Update</b> <i>Goal: Provide an update of current field activities and key documents.</i> <i>Process: Presentation and Q&amp;A</i>	Air Force Steve Mayer
7:10 – 7:15	<b>Local Redevelopment Authority Activities</b> <i>Goal: Provide an update of Local Redevelopment Authority activities.</i> <i>Process: Presentation and Q&amp;A</i>	LRA Kathy Gallino
7:15 – 7:20	Regulatory Update	Regulatory Agencies
7:20 – 7:30	<b>McClellan Non Time-critical Removal Actions Update</b> <i>Goal: Provide an update on the status of the 2012 Non Time-critical Removal Actions associated with FOSET #1 and FOSET #2</i> <i>Process: Presentation and Q&amp;A</i>	Air Force Steve Mayer
7:30 – 7:40	<b>McClellan Focused Strategic Sites Project Update</b> <i>Goal: Provide an update on the status of the Focused Strategic Sites remedial actions</i> <i>Process: Presentation and Q&amp;A</i>	Air Force Steve Mayer
7:40 – 8:00	<b>Privatized Cleanup Update</b> <i>Goal: Update on the privatized cleanup projects in FOSET #1 and FOSET #2.</i> <i>Process: Presentation and Q&amp;A</i>	TetraTech Molly Henderson
8:00 – 8:15	<b>Public Comment</b> <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>	Bill Davis, Facilitator
8:15 – 8:30	<b>RAB Members Advice, Comments, &amp; Announcements</b> <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

**Next McClellan RAB Meeting: Tuesday, June 18, 6:30 p.m.**

## **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*

**BRAC Cleanup Team and Stakeholders Meeting  
21 March 2013**

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

- 1) The GWTS is operating at approximately 1450 gpm (100% uptime); with the following extraction wells (EW) shut down because VOC concentrations are less than the MCLs:
  - OU A: EW-336, EW-435, EW-456 (A/B groundwater monitoring zone), EW-297 (B)
  - OU B: EW-443 (A), EW-307 (C), EW 140 (B)
  - OU C: EW-137 (B), EW-446 (A), EW-144 (A/B)
  - OU D: EW-86 (A/B)
  - OU G & H: EW-451 (B)
- 2) The above wells have been or are being monitored for rebound.
- 3) Flow to Beaver Pond was shutdown on 1 November with the Beaver Pond water level currently above 3.0 ft. The CERCLA treatment system is operational. The ion exchange system is operating normally.

**b) Ground Water Monitoring Program (GWMP).** The 1Q13 groundwater sampling event was completed by 1 February.

**c) Davis GWTS.** Davis GWTS is shut down. GWTP decommissioning completed. *The Final Fall 2012 semiannual groundwater report was submitted and included the Phase 3 Treatability Study post EVO injection groundwater sampling.*

**d) IC 29 Groundwater RPO (in-situ fracturing).** *Compliance/performance monitoring well (12 wells at 9 locations) installation and development began 25 February; expect 4 weeks of field work. As of 19 March, 8 wells installed (all six A/B zone wells, 2 A-zone wells).*

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

All shutdown for rebound 29 June 2012 except IC 37 oxidizer, OU C1 oxidizer, and IC 19 oxidizer (now VGAC). Sampling for rebound in 1Q13 (January) is underway. 1Q13 sampling was completed by 30 January; *data being reviewed.*

(3 of 12 SVE systems are **operating**, removing vapors from 3 of 10 SVE sites).

- 1) IC 1 SVE shutdown for rebound 29 June.
- 2) IC 7 SVE shutdown for rebound 29 June.
- 3) IC 19 Flameless Thermal Oxidizer (FTO) not operating replaced by IC 19 VGAC on 2 October 2012. New SVE well EW-498 sampled 9/5/12, began operating 10/2/12.
- 4) **IC 19 VGAC was restarted 2 October 2012** to replace IC 19 FTO because it allows more airflow (needed for new well). *Unit shut down on 1 March so it could be relocated off of proposed cap. Should restart by 22 March*
- 5) IC 31 SVE shutdown for rebound 29 June.
- 6) **IC 34/35/37 FTO system is operating normally**, extracting from IC 37 wells only.
- 7) IC 34/35/37 SVE shutdown for rebound 29 June.
- 8) **OU C1 FTO system is operating normally.** EW-488 shutdown 10/31/12 to allow CH2MHill to excavate area; *well back online 15 March.*
- 9) OU C1 VGAC is not operating.
- 10) OU D VGAC shutdown for rebound 29 June.
- 11) OU D Thermal Oxidizer shutdown for rebound 29 June.
- 12) B243 (PRL S-008 only) SVE shutdown for rebound 29 June.

NOTE: *Italicized text represent update changes*

*Margin or Underlined text represent corrective changes*

BCT & RPM Field Activities Update 21 Mar 2013



**Petroleum, Oil, and Lubricants (POL) Cleanup Activities****f) POL Program:**

- a) **PRL S-40 Biovent System** – Shutdown for rebound 1 June 2012. Rebound soil gas sampling conducted 5 December 2012. Relatively little rebound; 4Q12 monitoring report to recommend site closure.
- b) **Basewide Fuels Investigation** – The Bldg 4 and Bldg 1036 biovent systems were shutdown for rebound 1 June 2012. Rebound soil gas sampling conducted 5 December 2012. Relatively little rebound; 4Q12 monitoring report to recommend site closure.

**Radiation Program Activities****g) Radiation Program.**

- 1) CS-10 – Site inspections and maintenance are being conducted by URS. Preparations for the consolidated unit landfill and combined cap are underway. *Tent demolition activities are being planned. Scheduled to start major demolition on 1 April.*
- 2) SVS and B252 NTCRA – CH2M Hill Excavations are proceeding for PRL S-018/CS T-030 (B252) with offsite disposal of the soil and contaminated concrete. Work has been suspended temporarily at CS 040 to perform test pits and determine how much additional soil needs to be excavated. *The test pits were completed this week.* Restoration of Magpie Creek is complete. *Excavation of radium contaminated soil north side of Magpie Creek is pending, following test pit confirmation.* With the exception of the PG&E nat. gas header at CS B-005, excavation of radium *and dioxin contaminated soil is complete.*
- 3) FOSET #3 NTCRA - Excavations and final status surveys are completed at all sites, and the sites are restored. *Excavation of the radium at CS 043 and CS 069 has been deferred to the FOSS RD/RA.*
- 4) FSS – *Work plans are in draft final stage.* Monitoring of BMPs at CS 22 is ongoing.
- 5) AOC 314 and PRL S030A – Soil excavation has been completed at AOC 314 and PRL S030A. Post removal surveys have been completed. *Data packages for AOC 314 are being developed. Data packages for PRLS030A have been sent to the Air Force and McClellan Park for Review.*

**Soil Remediation, Investigation and Management Activities****h) OU D Cap O&M.** 1Q13 inspection completed 13 February.**i) Wetlands/Habitats Management Maintenance and Miscellaneous Activities –**

Comments have been received from CDFW on the Draft Biological Resources Technical Memorandum and Mitigation Plan for FSS project, and *USFWS issued a concurrence letter on 19 February 2013. Still waiting for USACOE verification of wetland delineation update.*

**j) Ecological Sites Proposed Plan/ROD –** The formal dispute was resolved on 18 January 2013. *The Air Force, EPA, and DTSC signed the ROD, and the Draft Remedial Action Work Plan was distributed on 15 March 2013.***k) Wetland Delineation Update –** *Field work for the 2013 wetland delineation update of Air Force retained properties was initiated in March.*

## Current Key Documents and Events of Interest to the RAB

### March 19, 2013 RAB Meeting

	Document	Document Description	Status	FOSET
1	FOSET #2 (Finding of Suitability for Early Transfer)	Documents the environmental restrictions in support of an early transfer of property. Includes 120 sites (primarily from Small Volume Sites ROD, Building 252, and some Follow-on Strategic Sites).	Governor signed transfer package in January 2013. Deeds transferred in February. <b>DONE!</b>	FOSET #2
2	Ecological Sites Record of Decision (ROD)	Documents cleanup decision for Ecological Sites	Signed by all — Air Force, EPA and DTSC. <b>DONE!</b>	FOSET #3
3	Ecological Sites Remedial Action Work Plan	Details the work plan and schedule for the cleanup action at the Ecological Sites	Draft issued mid-March.	FOSET #3
4	Follow-on Strategic Sites Radiological Non-time-critical Removal Action (FOSET #3) Final Status Survey Report (FSSR). Sites separated into three groups.	Documents the results of the final scan and survey to confirm removal of radiological contaminants at the site.  Report is reviewed by Air Force Radioisotope Committee (RIC) and by California Department of Public Health.	Group 1 Sites: Draft Final issued late February.  Group 2 Sites: Draft issued mid-March.	FOSET #3
5	Follow-on Strategic Sites Radiological Non-time-critical Removal Action (FOSET #2) FSSR	Documents the results of the final scan and survey to confirm removal of radiological contaminants at the site.  Report is reviewed by Air Force Radioisotope Committee (RIC) and by California Department of Public Health.	Site SA 109 Draft issued late February.  All other sites draft issued mid-March.	FOSET #2
6	Follow-on Strategic Sites Record of Decision (ROD)	Details the Air Force's cleanup decision for the Follow-on Strategic Sites	Draft to be issued for agency review in December. Agency comments due late March.	FOSET #3
7	Focused Strategic Sites CS 10 Remedial Design-Remedial Action Work Plan	Details the work plan and schedule for the cleanup action at Site CS 010 in preparation for construction of the consolidation unit.	Final issued mid-January.	FOSET #3
8	Focused Strategic Sites CS 10 FSSR	Documents the results of the final scan and survey to confirm removal of radiological contaminants at the site.  Report is reviewed by Air Force Radioisotope Committee (RIC) and by California Department of Public Health.	Draft issued mid-March.	FOSET #3

9	Focused Strategic Sites Integrated Remedial Action Work Plan	Details the work plan and schedule for the cleanup action at the Focused Strategic Sites.	Draft Final issued to agencies mid-March.	FOSET #3
10	Focused Strategic Sites Consolidation Unit and Combined Cap Remedial Design (95% Design)	Documents basis of design, construction drawings, and specifications for CU and combined cap.	Draft Final issued to agencies in early March.	FOSET #3
11	Focused Strategic Sites Explanation of Significant Difference (ESD)	Describes the differences in the remedy specified in the ROD for CS 022, and the actual remedy that will be implemented and the rationale for the different remedy.	Final issued in mid-March. <b>DONE!</b>	FOSET #3
12	Groundwater Remedial Process Optimization ESD	Describes the differences and rationale from the remedy specified in the Basewide VOC Groundwater ROD and the proposed remedy to allow fracturing of the groundwater aquifer in IC 29.	Draft Final issued to agencies in mid-March.	
13	McClellan 5-year Review	Documents the cleanup effectiveness of the remedies in place at McClellan.	Project Kick-off meeting February 2013. Draft 5-year Review anticipated January 2014.	



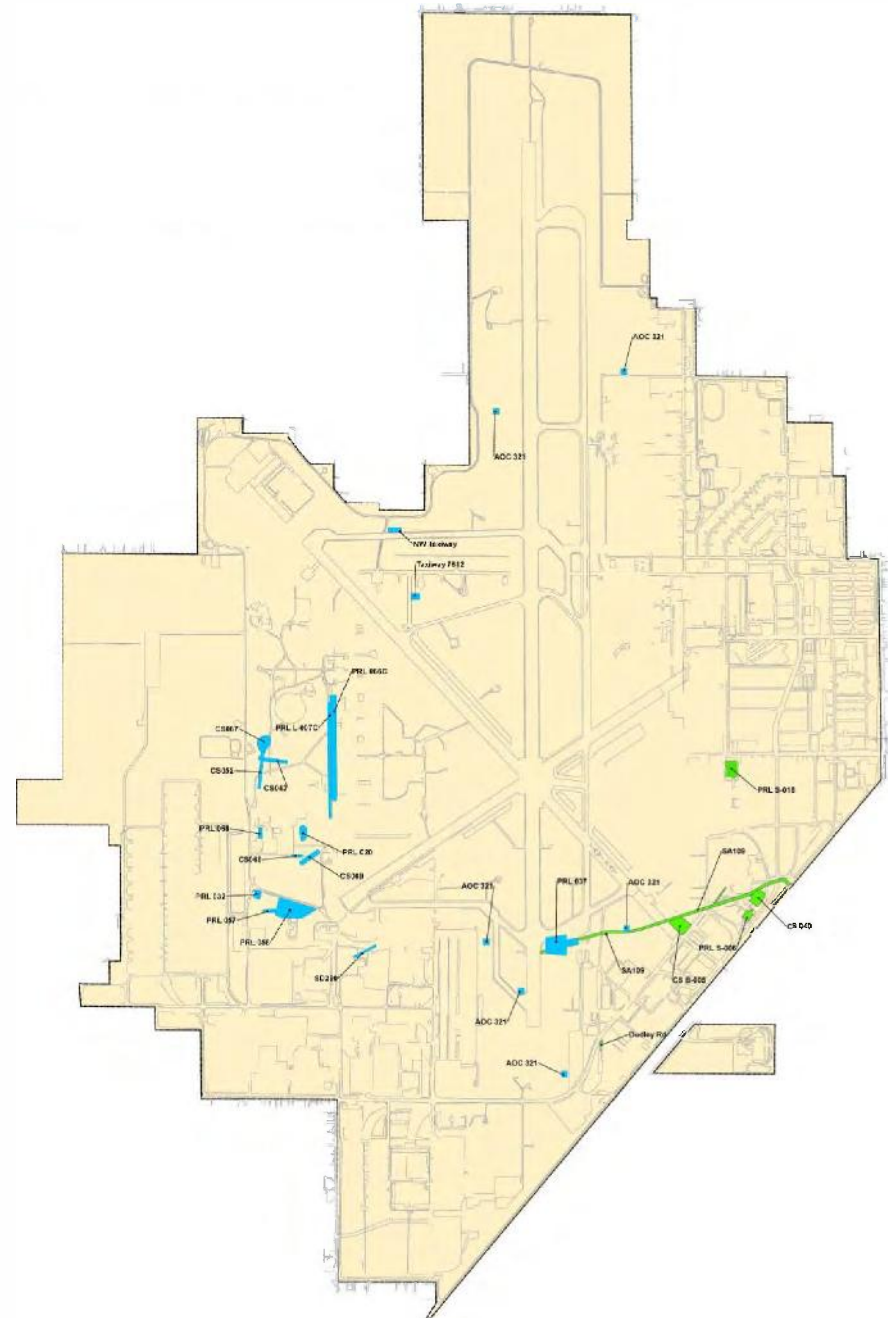
# Non Time-critical Removal Actions Update

Restoration Advisory Board Meeting  
March 19, 2013



# Non-time Critical Removal Actions

 FOSET #2

 FOSET #3

# FOSET #3 Sites



CS 043



CS 069



PRL 020



# FOSET #2 Sites



Former Bldg. 252



Magpie Creek East of the Runway

# CS 022 Soil Holding Area







# Questions and Discussion

Site	Excavation Status	Soil status	Final Soil Volume (cubic yards)	Site Survey	Site Restoration	FSSR
AOC 321 - Airfield	✔	At CS 022	790	✔	✔	In regulatory review
CS 037 - Disposal Pits	✔	At CS 022	1,726	✔	✔	Preparing Draft
CS 043 - Disposal and Burn Area	✔	At CS 022	None Removed	Part of FoSS Remedy	Backfilled. Awaiting FoSS ROD.	Part of FoSS Remedy
CS 052 - Disposal Pit	✔	At CS 022	64	✔	✔	Draft Final with regulators
CS 067 - Disposal Pit	✔	At CS 022	29	✔	✔	Preparing Draft
CS 069 - Disposal Pits	✔	At CS 022	1,330	Part of FoSS Remedy	Partially backfilled. SWPP in place. Awaiting FoSS ROD.	Part of FoSS Remedy
Northwest Taxiway - Radiological Release Location	✔	At CS 022	3,190	✔	✔	Preparing Draft
PRL 020 - Disposal and Burn Pit	✔	At CS 022	22	✔	✔	In regulatory review
PRL 032 - Hazardous Waste and Low-Level Radioactive Waste Storage Area	✔	At CS 022	138	✔	✔	Preparing Draft
PRL 056/057 - Treated Wastewater Discharge Area	✔	At CS 022	259	✔	✔	Preparing Draft
PRL 066C/PRL L-007C - Drainage Ditch and Industrial Waste Line	✔	At CS 022	35	✔	✔	In regulatory review
PRL 068 - Unlined Storage Tanks and Former IWTP 1 Tanks	✔	At CS 022	6,251	✔	✔	Preparing Draft
SD 290 - Old Magpie Creek Channel, Historic Creek Channel Buried During Realignment	✔	At CS 022	3,010	✔	✔	Preparing Draft
Taxiway 7612 - Radiological Release Location	✔	At CS 022	4,877	✔	✔	Preparing Draft

FOSET #2 Non Time-critical Removal Action Sites

Site	Excavation Status	Soil status	Final Soil Volume (cubic yards)	Site Survey	Site Restoration	FSSR
SA 109 - Magpie Creek East of the Runway	✔	Disposed off site	16,160	✔	✔	Draft with regulators
SA 109 - Radiological Release Above North Bank of Magpie Creek	In Progress	N/A	TBD	Awaiting completion of removal action	Awaiting completion of removal action	Awaiting completion of removal action
CS B-005 - Disposal Trenches	In Progress	Disposed off site	TBD	Awaiting completion of removal action	Awaiting completion of removal action	Awaiting completion of removal action
CS 040/PRL S-006 - Former Wastewater Treatment Facility	In Progress	Disposed off site	TBD	Awaiting completion of removal action	Awaiting completion of removal action	Awaiting completion of removal action
Dudley Blvd. Site - Radiological Release Location	✔	Disposed off site	120	✔	✔	✔
PRL S-018 - Bldg. 252, Radium Paint Shop	In Progress	Disposed off site	TBD	Awaiting completion of removal action	Awaiting completion of removal action	Awaiting completion of removal action





# Focused Strategic Sites Consolidation Unit Update

Restoration Advisory Board Meeting  
March 19, 2013

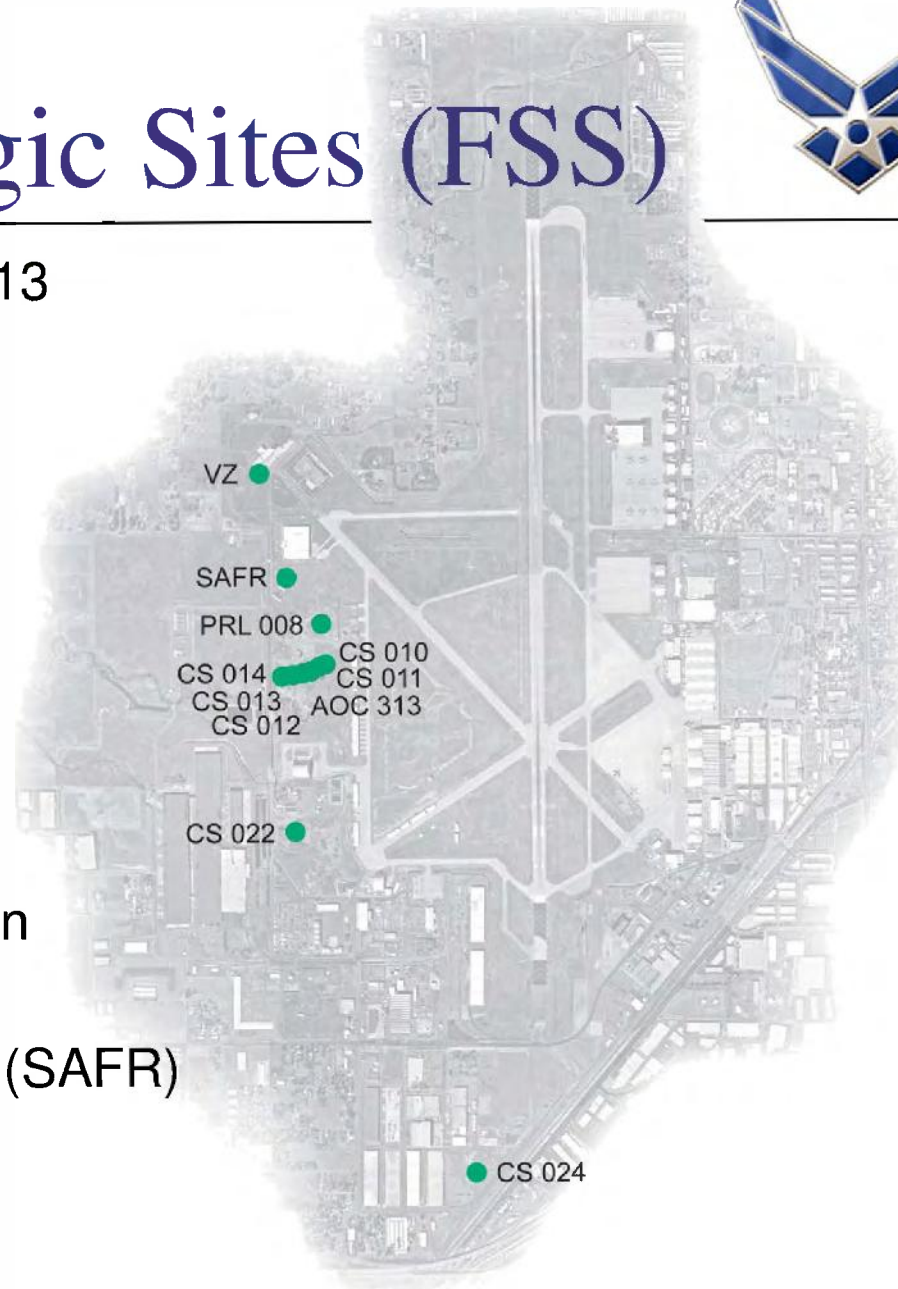






# Focused Strategic Sites (FSS)

- ❑ Area of Concern (AOC) 313
- ❑ Confirmed Site (CS) 010
- ❑ CS 011
- ❑ CS 012
- ❑ CS 013
- ❑ CS 014
- ❑ CS 022
- ❑ CS 024
- ❑ Potential Release Location (PRL) 008
- ❑ Small Arms Firing Range (SAFR)
- ❑ Vadose Zone (VZ) site





# Remedies

- Excavation of CS 10
- Consolidation Unit to be constructed at CS 10. CS 10 soils to be disposed of in CU.
- Excavation and disposal in CU:
  - CS 24
  - SAFR
  - CS 22
  - Vadose Zone
- Composite Cap over CS 11, 12, 13, and 14, and Fire Training Area
- Composite Cap over PRL 008



# Schedule

Key Milestones	Date
Move soils from CS 010	Completed Fall 2012
Final Status Survey Report and Design Documents Approval	April 2013
CS 010 weatherization tent removal	April 2013
Consolidation Unit (CU) and Combined Cap construction	April through August 2013
Move stockpiled soils into CU	September through October
CS 024 remediation	September through October
Remediation of other Focused Sites	2014
CU operation	Through 2018
Final CU cap installation complete	Summer 2020



# CS 10 Excavation







# CS 10 Final Status Survey







# Critical Path

- CS 10 Final Status Survey Report approval in April
- CU Design approval in April
- CU Construction complete by end of August
  - Delays into September will push other sites to 2014



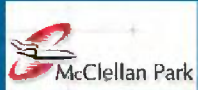
# Questions and Discussion



# McClellan RAB Presentation

Former McClellan AFB, California  
19 MAR 2013





# McCLELLAN PARK



## IP#2

Completed;  
Development Area I  
RACR: Approval  
received 11 January 2013

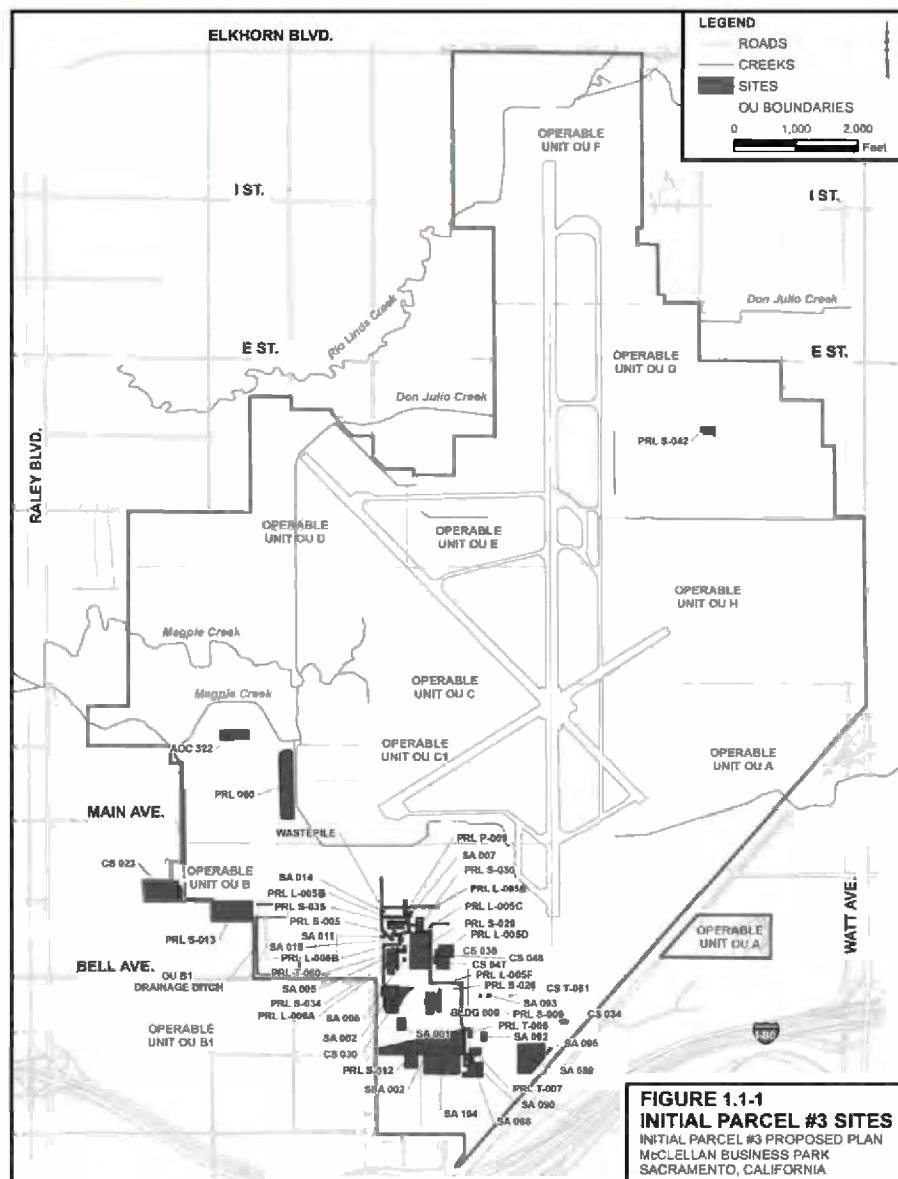
2



FOSET 600 ACRE CERCLA STATUS



United States Environmental Protection Agency



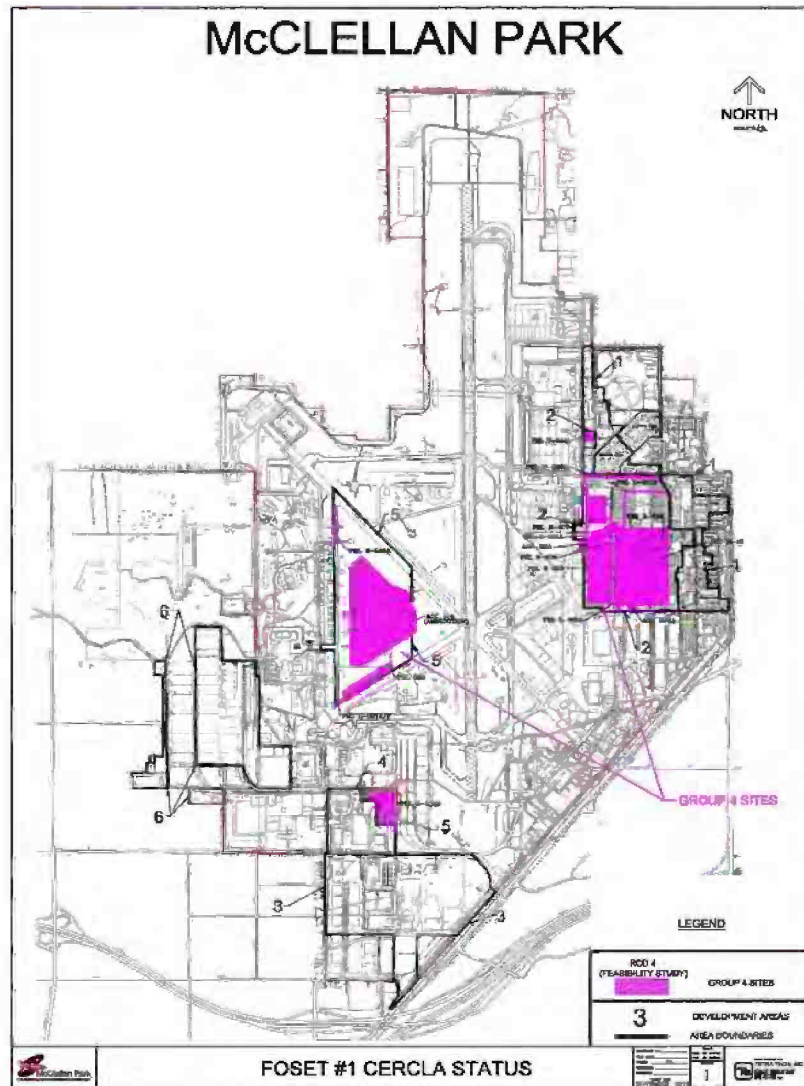
Note: Annotated from the Draft Initial Parcel #3 Proposed Plan for 45 Sites at the Former McClellan Air Force Base July 2008 (CH2MHill)

# FOSET I

## IP#3

- ROD signed
- RD/RA Work Plan is in Draft Final version
- Field work on 14 action sites to be completed during summer of 2013
- Soil removed during field work will be disposed of off-site





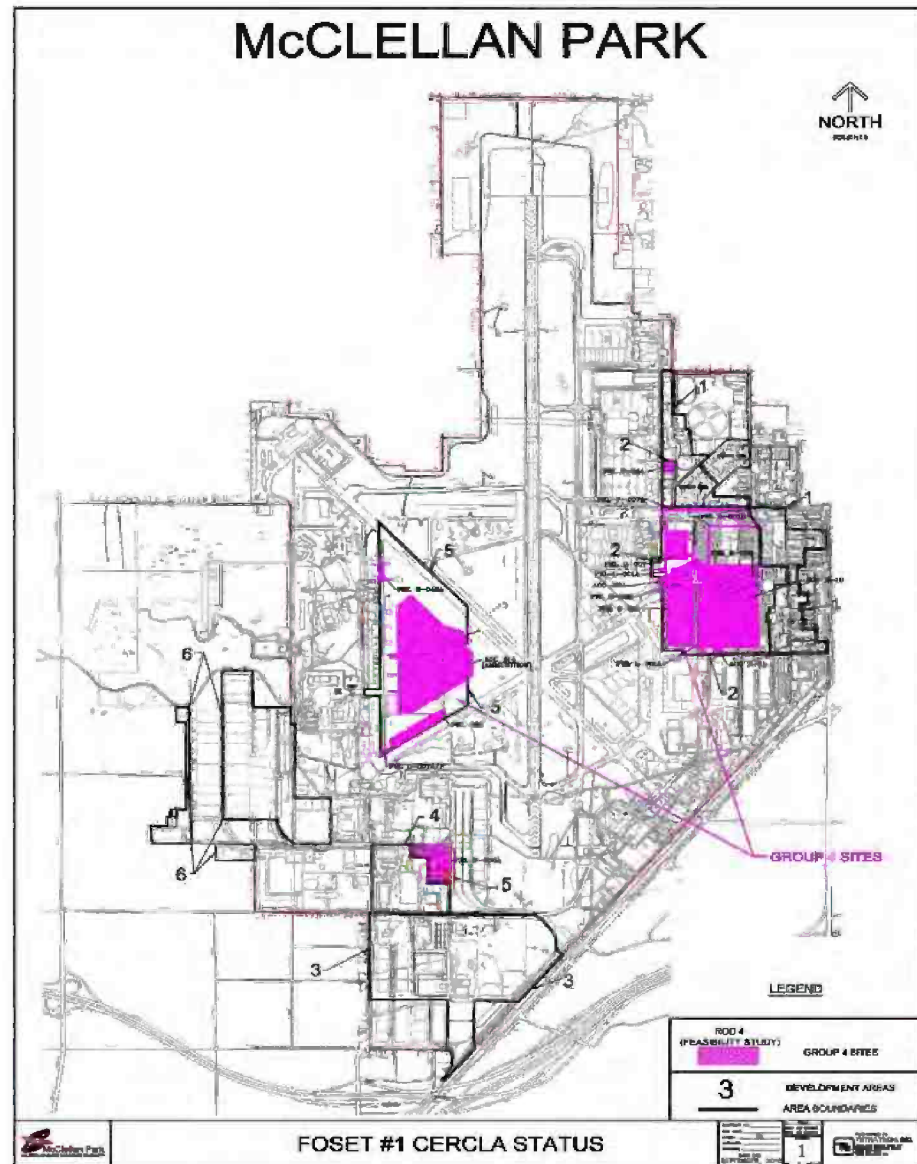
# FOSET I

## Group 4

- RI/FS is in Draft Final regulatory review; Final anticipated in summer 2013
- Proposed Plan and ROD to follow
- Field work anticipated in summer of 2015 and 2016



AOC 314

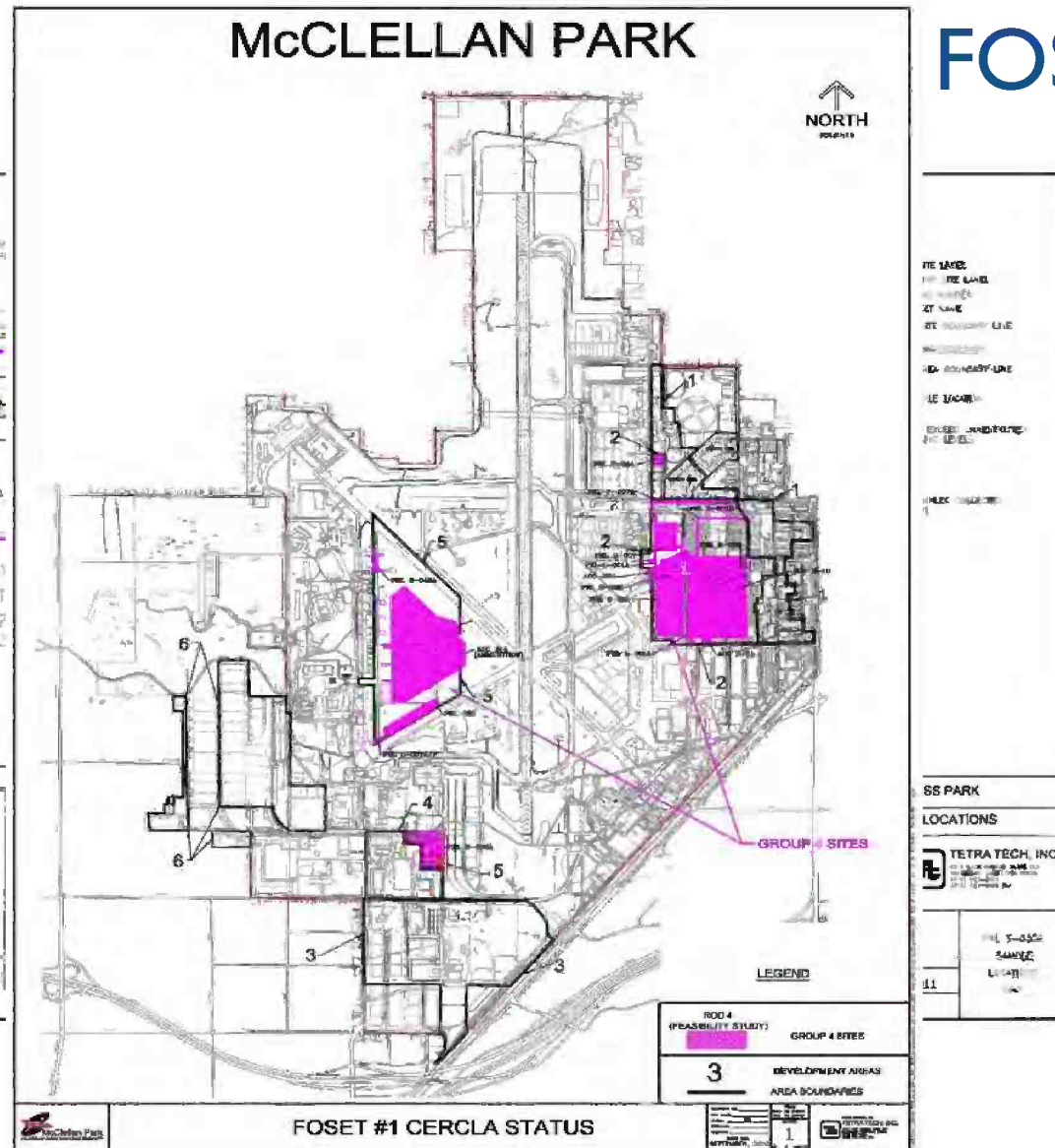


FOSET I



# FOSET I

PRL S-030A

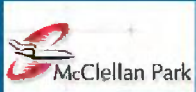




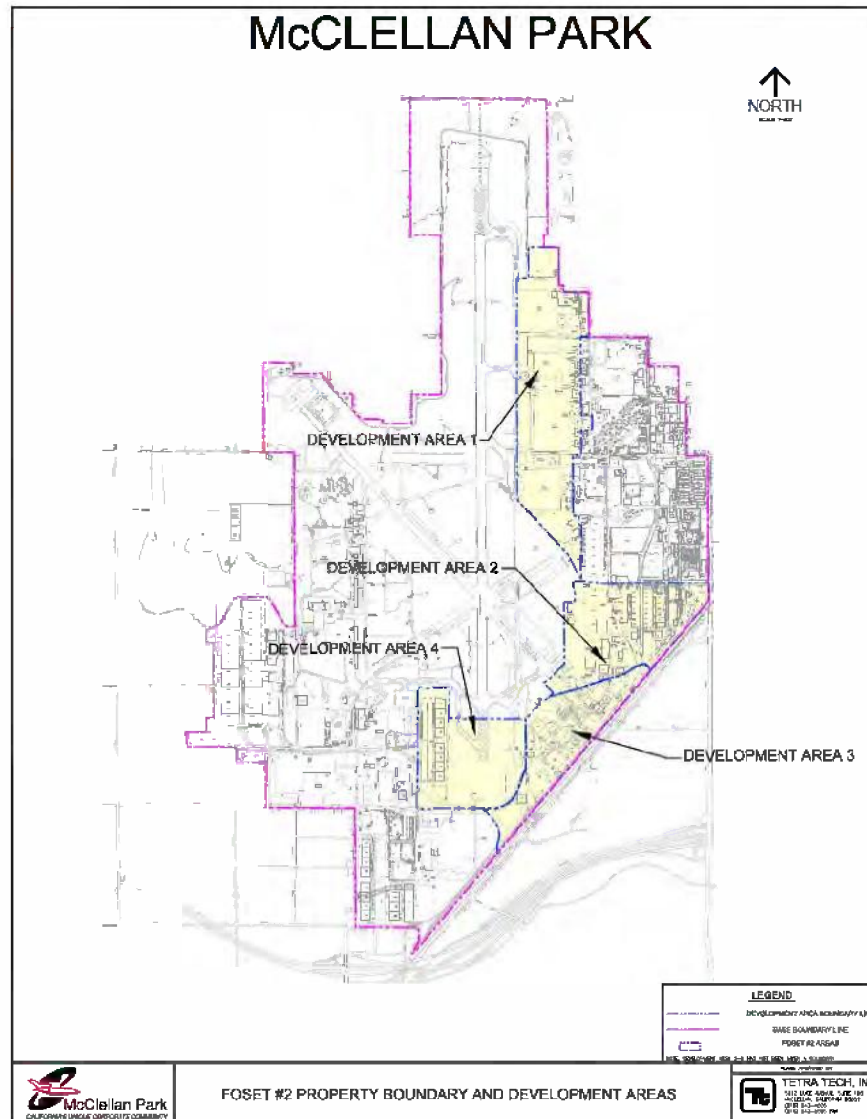


# AOC 314 / PRL S-030A Delayed Transfer Project

- Waste Shipment Cost/Savings Analysis (Rail vs. Trucking)
  - COSTS
    - Rail: \$186.57 per ton (actual cost)
    - Truck: \$284.25 per ton (estimated cost, based on competitive bidding)
  - SAVINGS
    - Reduced carbon footprint
      - The rail method reduced diesel fuel use by an estimated 62,664 gallons.
    - Reduced emissions
      - CO<sub>2</sub> Emissions reduction with rail transportation by an estimated 1,378,608 pounds\*
        - » (\* Based on U.S. EPA standard of 22 pounds of CO<sub>2</sub> emissions per one (1) gallon of diesel fuel.)
    - Increased public safety
      - The rail method eliminated an estimated 435 long-haul tractor/trailer rig round-trips from the nation's roadways.
- Approaching Completion
  - Soils from AOC 314 and PRL S-030A have been shipped off-site
  - FSSRs pending



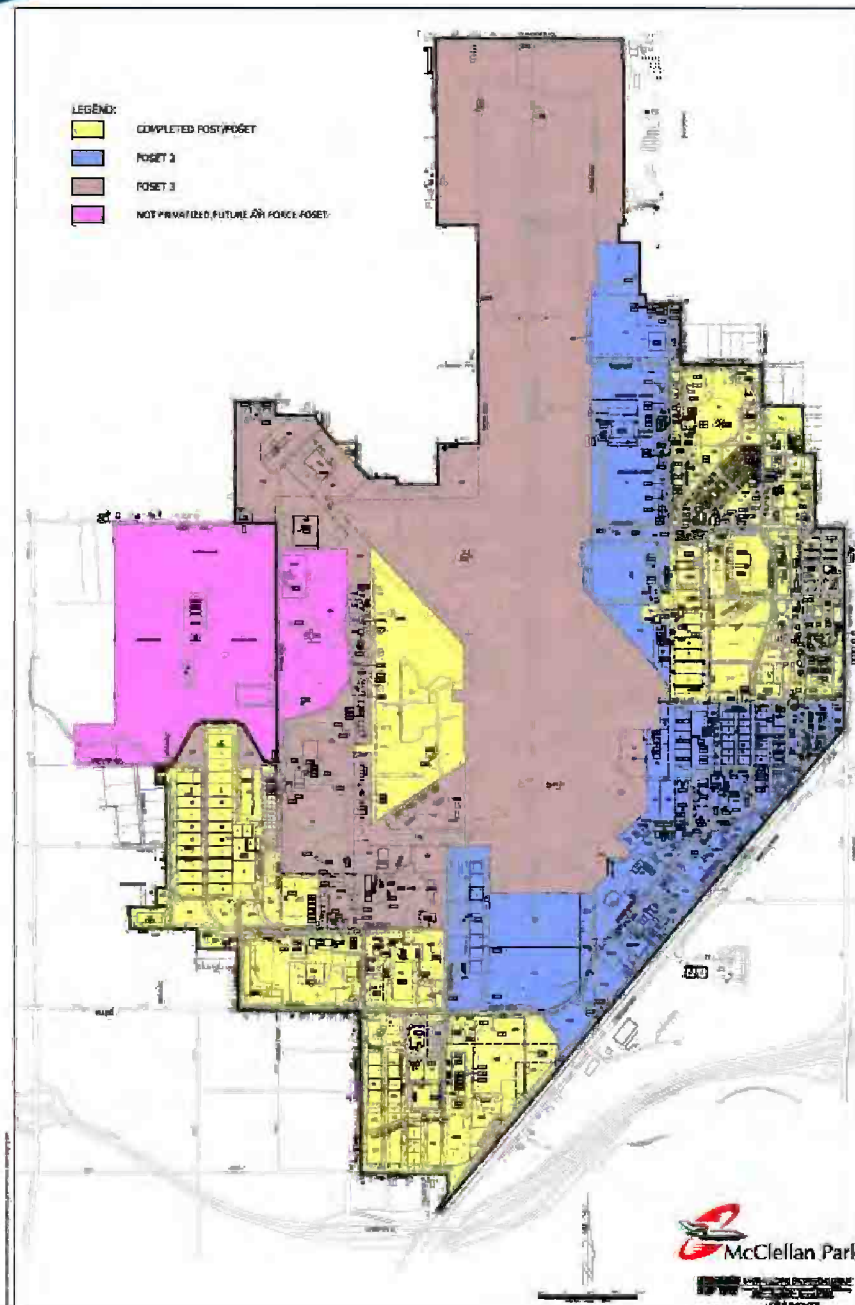
# FOSET 2 Introduction





## FOSET 2 Introduction

- FOSET 2 transfers 528 acres of the former McClellan Air Force Base
- Notice To Proceed (NTP) was received from the Air Force on 20 February 2013.
  - Project scoping meeting is scheduled for 20 March 2013
- The Administrative Order on Consent includes 131 Installation Restoration Program (IRP) sites
- All sites are addressed within final Air Force RI/FS documents; 8 sites are addressed within existing Air Force RODs
- Proposed Plans and Records of Decision (RODs) to be Completed
  - No Further Action sites
  - Institutional Controls Only sites
  - Action sites



## FOSET 3

- FOSET 3: Final portions of the former base
- Commencement anticipated in 2014



## McClellan Park RAB – MAR 2013

# Questions?

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**FINAL PAGE**

**ADMINISTRATIVE RECORD**

**FINAL PAGE**