



U.S. AIR FORCE

McClellan Restoration Advisory Board (RAB)

Meeting April 18, 2018 – 6:30 p.m.

North Highlands Recreation Center

6040 Watt Ave, North Highlands, CA 95660

Agenda

- 6:30 Welcome and Introductions – Heidi Kolbe (Facilitator)**
- 6:40 RAB Purpose and Ground Rules – Heidi Kolbe**
- Approve summary from September 2017 RAB meeting
- 6:45 Air Force Cleanup Update – Steve Mayer (Air Force Civil Engineer Center)**
Presentation and discussion of current Air Force remediation projects, Airfield and Eco sites property transfer update and emerging contaminants.
- 2018 field season update
 - PRL020, CS043, CS052, CS067 and CS069
 - AOC 314 update
 - Property Transfer
 - Eco-sites FOST update
- Emerging Contaminants
- Perfluorinated chemicals update
 - 1,2,3 - Trichloropropane (TCP) update
- 7:15 Regulatory Update**
- 7:20 Local Reuse Authority Update**
- 7:25 Privatization Cleanup Status – Dana Hachigian (Tetra Tech)**
- 7:40 Public Comments**
- Members of the general public may request up to 3 minutes to speak.
- 8:00 RAB member comments**
- 8:15 Upcoming Meeting Dates – Heidi Kolbe**
- 8:20 Adjourn**



McClellan Restoration Advisory Board

April 18, 2018



Tonight's Agenda

Welcome, RAB Member Introductions and Agenda	Facilitator
Purpose and Ground Rules	Facilitator
Approval of September 2017 Minutes	Facilitator
Air Force Cleanup Update	Steve Mayer/Air Force
Local Reuse Authority Update	
Privatization Cleanup Status	Dana Hachigian (Tetra Tech)
Public Comment Period	Facilitator
Upcoming Meeting Dates	Facilitator
RAB Meeting Adjournment	



RAB Purpose

The McClellan Restoration Advisory Board provides a forum through which the local community, regulatory agencies, and the Air Force can share information on the current and future environmental cleanup programs and reuse at the former base. RABs offer members the opportunity to influence cleanup decisions through discussion and to provide input to the installation decision makers.

RAB members are volunteers representing their communities. Environmental restoration experience is not required for RAB membership. Rather, RAB membership criteria emphasizes the diversity an individual will bring to the RAB and the individual's commitment toward achieving the RAB's goals.



Meeting Ground Rules

- ***Ground Rules***

- Be respectful – no personal attacks
- 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’ experience
- 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



September 2017 RAB Minutes



Air Force Cleanup Update



Steve Mayer
McClellan BRAC Environmental Coordinator



2018 Field Season Update



CS067 – Conducting site investigation to characterize RAD discovery.



PRL020 – Preparing to backfill. Waiting for site conditions to dry.



CS043 – Preparing to backfill site. Waiting for site conditions to dry.

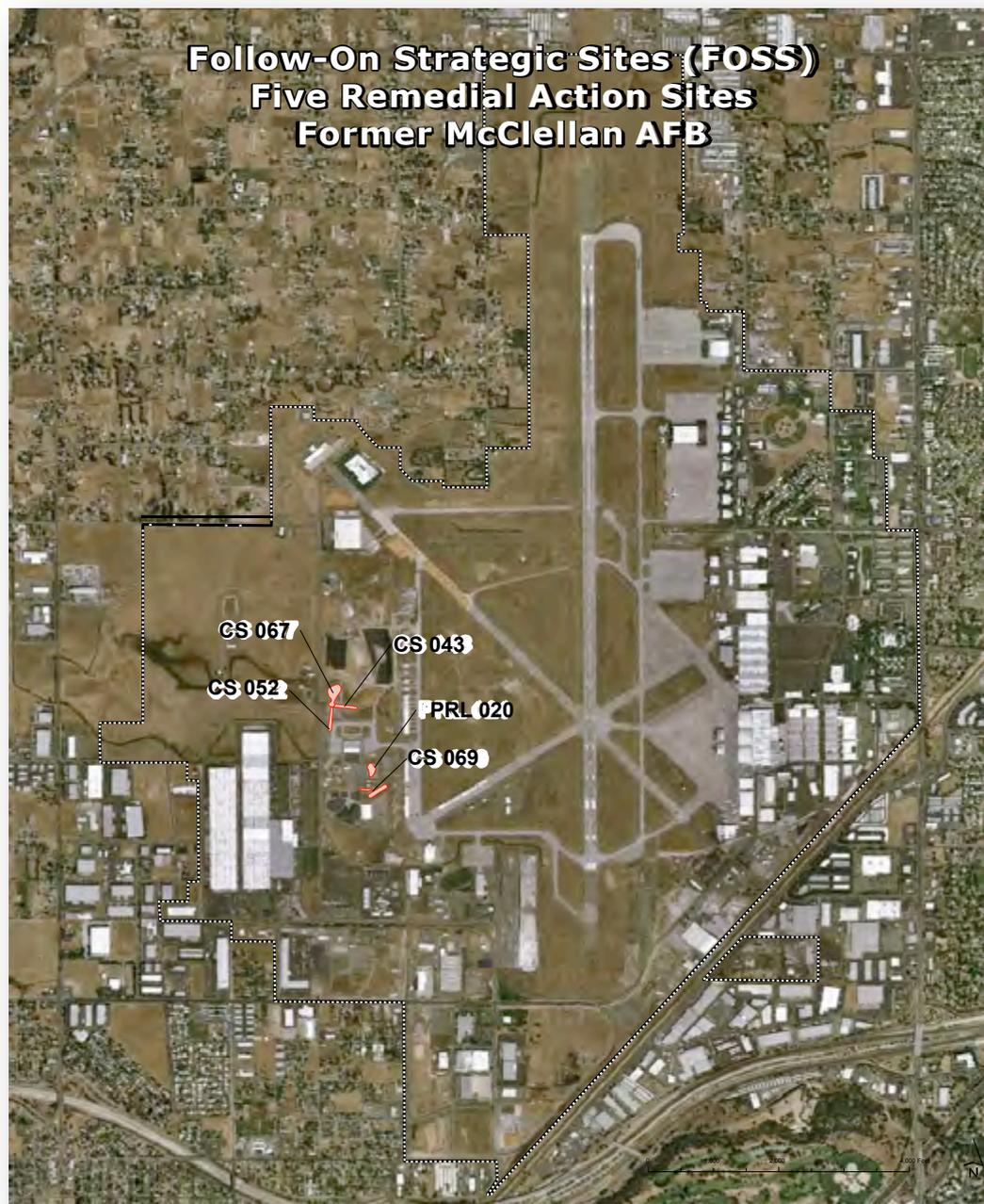


Project Background

- Follow on Strategic Sites ROD was signed in 2014
- 34 total sites
- Objectives of the project:
 - Safely remove and properly manage disposal pit waste, contaminated soil, and/or debris during remedial activities.
 - Excavate and dispose of contaminated soil and waste at the Consolidation Unit, or if contaminated soil characteristics do not permit disposal at the Consolidation Unit, at a U.S. EPA approved waste management facility.
 - For CS 043, CS 069, PRL 020 and CS 067 quantify the amount of Ra-226 placed in the Consolidation Unit.
 - Backfill and compact the excavated areas with clean soil, meeting industrial use standards.
- Follow-on Strategic Sites follow three different paths
 - 28 Privatized Sites.
 - Six sites with Air Force lead actions that are funded by the Privatization funding from the Environmental Services Cooperative Agreement.
- Project will take approximately three years to complete.
- Soil is being placed in Consolidated Unit.

CS069 – Excavation activities are planned to resume as weather allows. Expect to complete site this field season.

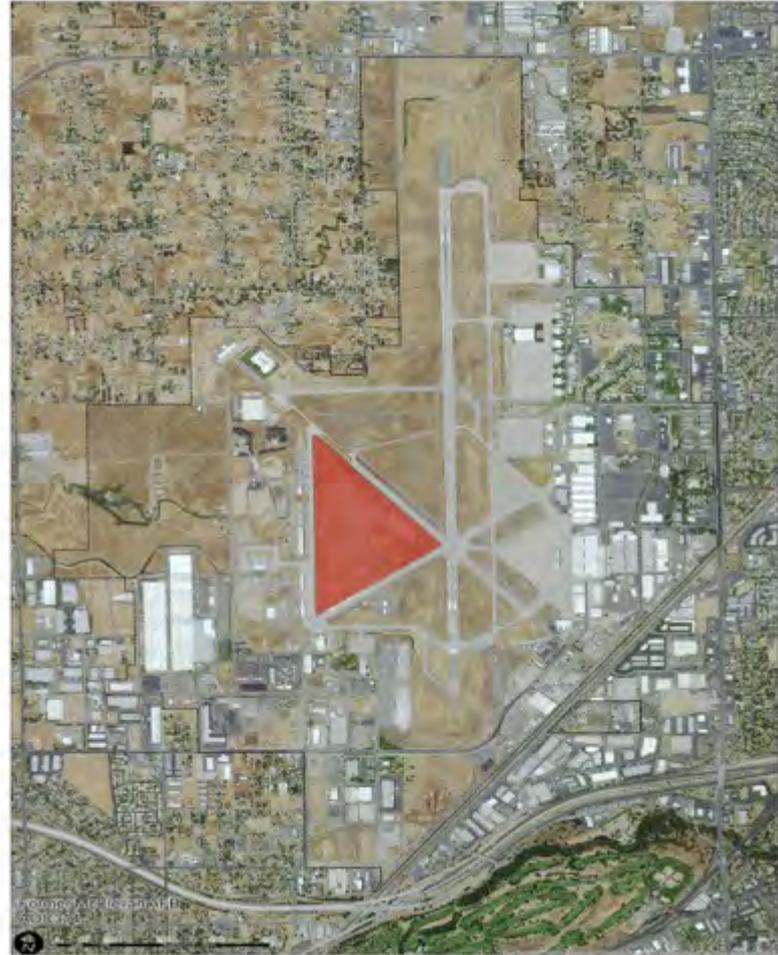
CS052 – Beginning fieldwork for site characterization of RAD discovery.





Area of Concern (AOC) 314

- AOC 314 is a Pre-ROD non time critical removal action.
- Gamma scans and soil sampling were done to quantify the remaining soil to be excavation.
- Once site dries out Air Force will remove a 9 inch lift of contaminated soil from elevated areas, then rescan for remaining hot spots. Expect to complete site work this field season.





Area of Concern (AOC) 314



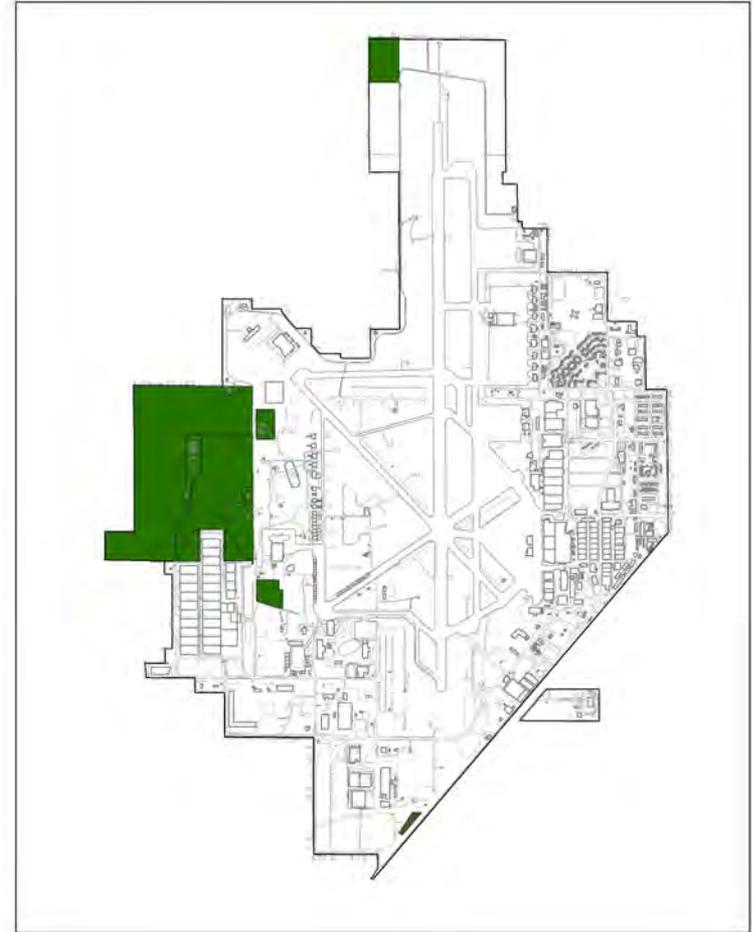


Property Transfer Update

- **Eco Sites FOST** ████████

The FOST is currently out for Air Force signature. Transfer expected by the end of the year. The FOST includes 265 acres of land and 16 facilities, which will be transferred to Sacramento County. The County will in turn transfer Parcels C8, D2, D2a, D2b, and D2c to McClellan Business Park. Approximately 90 percent of the property (Parcels D2, D2a, D2b, and D2c) is comprised of the West Nature Area, which is and will continue to be a natural preserve area.

- **The Small Arms Firing Range** on the northwest side of the base is included in the transfer.
- **The Former Rock Crusher Yard** (7- acres) is clean and ready for transfer in this action.



Total Acreage	3,452
Transferred	2,985
Soon to be Transferred	272
Remaining to be Transferred ...	195



Emerging Contaminants

- Perfluorinated Chemicals update
 - Used in Aqueous Film Forming Foam (AFFF) for fighting petroleum fires
 - EPA established health advisory level 0.07 Mg/L in GW for PFOS; 0.07 Mg/L for PFOA and a combined level of 0.07 Mg/L.
 - Site investigation is underway. Initial indication is no impact to McClellan GW
- 1,2,3-Trichloropropane (TCP) update
 - CA MCL at 5ppt in GW issued in 2017
 - Preliminary analysis shows readings below MCL (2-3 ppt) at GWTP
 - Further investigation underway to look for presence in existing solvent plumes and in base boundary wells



Regulatory Update



Local Reuse Authority Update



Privatization Cleanup Update



Public Comment Period



RAB member comments

Adjourn

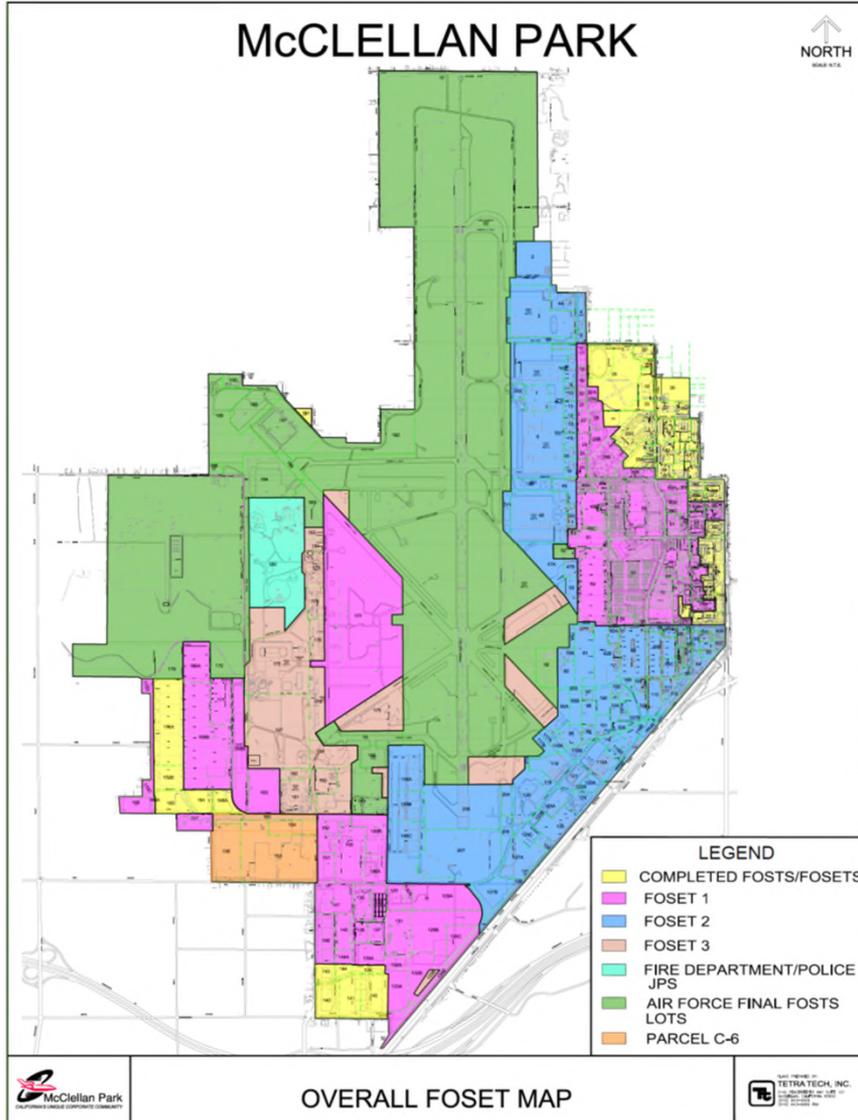


McClellan RAB Presentation Privatized Cleanup Progress



Former McClellan AFB, California
18 April 2018

Privatized Cleanup Summary



Parcel C-6 – Complete

FOSET 1

- Cleanup Complete (IP #2 Sites)
- Cleanup Complete (IP #3 Sites)
- RIFS Complete (Group 4 Sites)

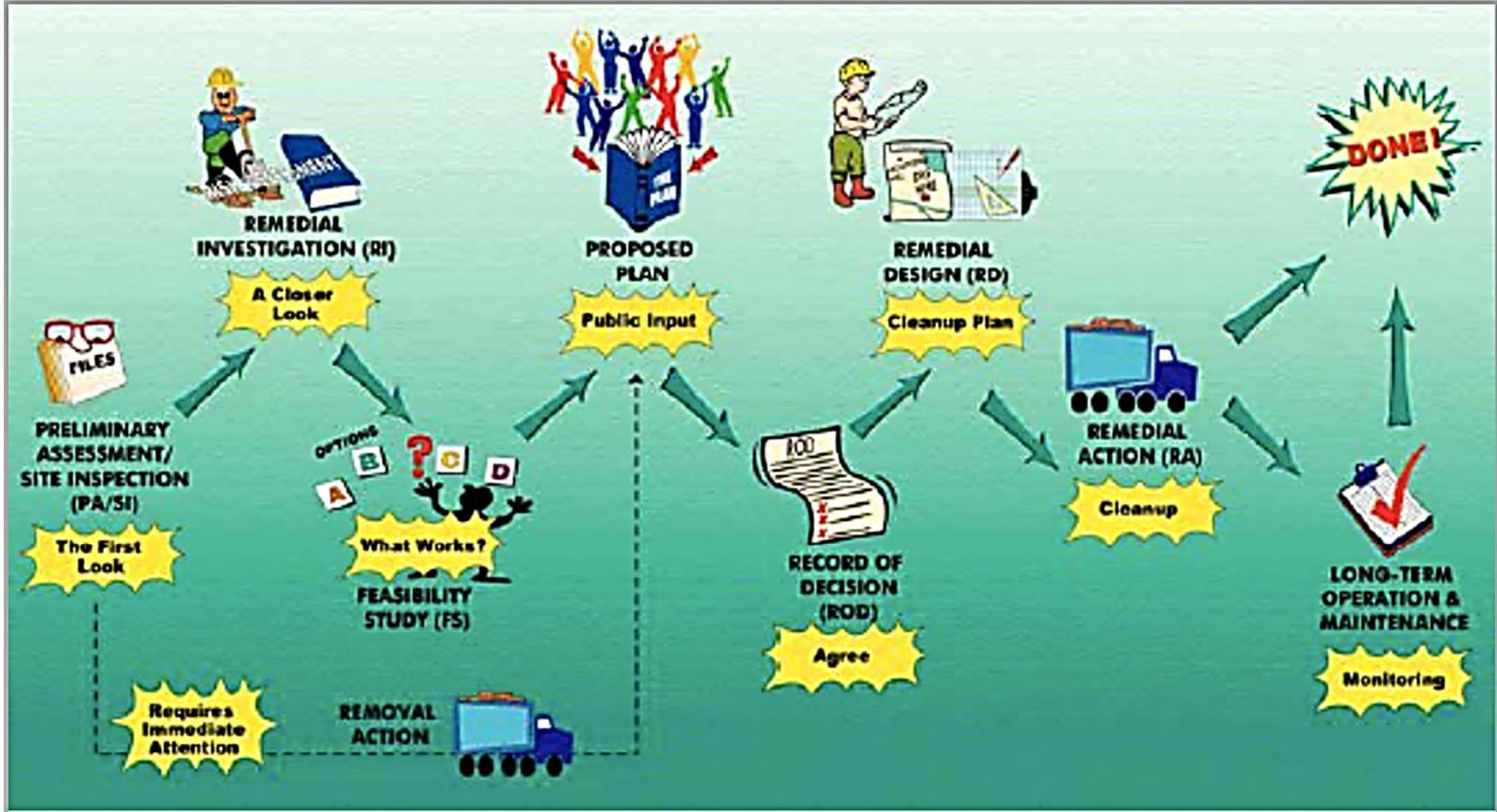
FOSET 2

- Cleanup Decisions (Action Sites and No Further Action Sites complete, Group 2 Action Sites in progress)
- Cleanup in Progress (Action Sites)
- Cleanup Complete (No Further Action)

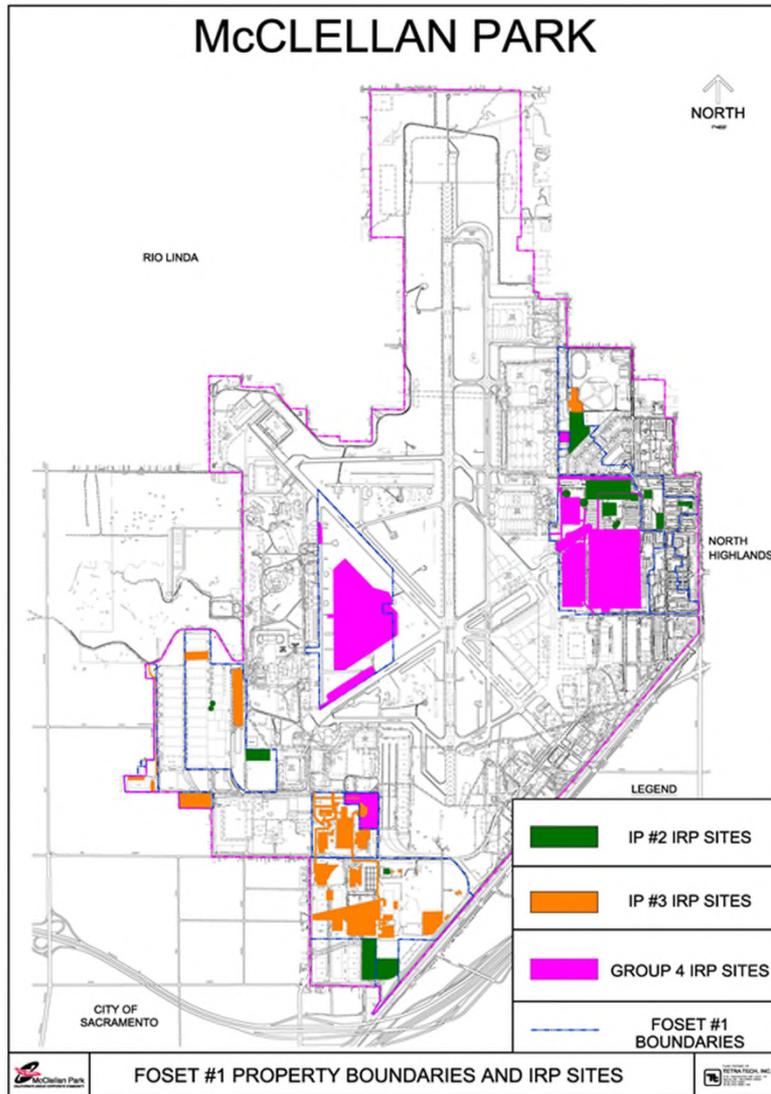
FOSET 3

- Cleanup in Progress (Project Sites)

CERCLA PROCESS

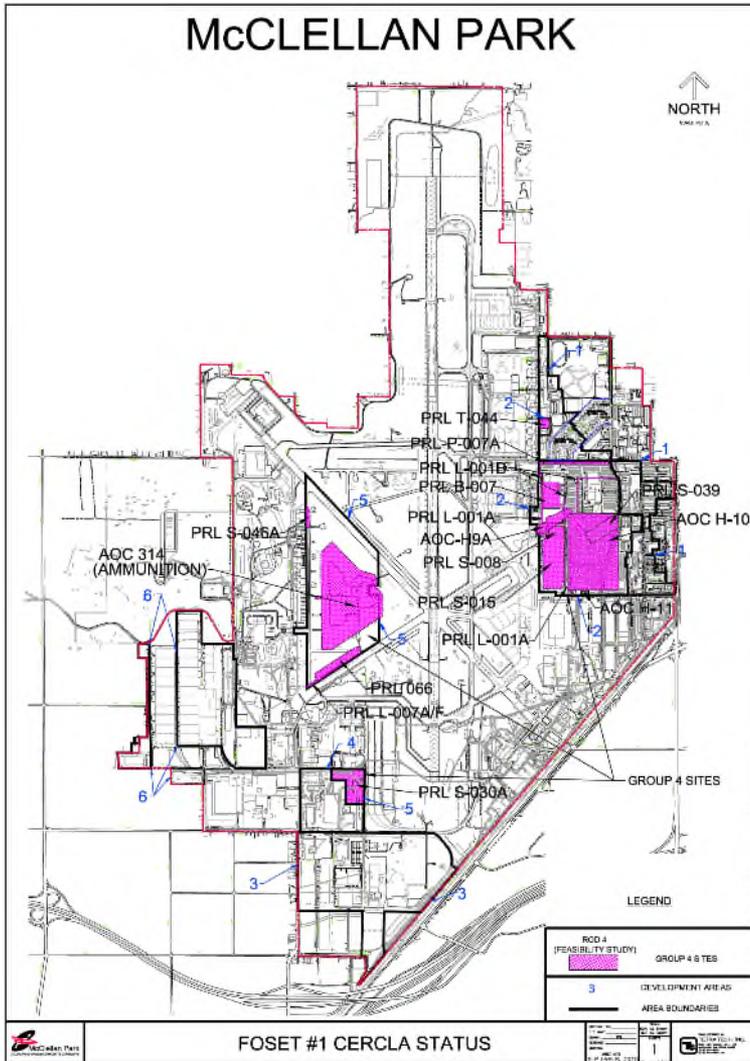


Finding of Suitability for Early Transfer (FOSET) #1



- **Initial Parcel #2 Sites – Complete**
- **Initial Parcel #3 Sites – Complete**
- **Group 4 Sites – Remedial Investigation / Feasibility Study complete**

FOSET #1 (Group 4)

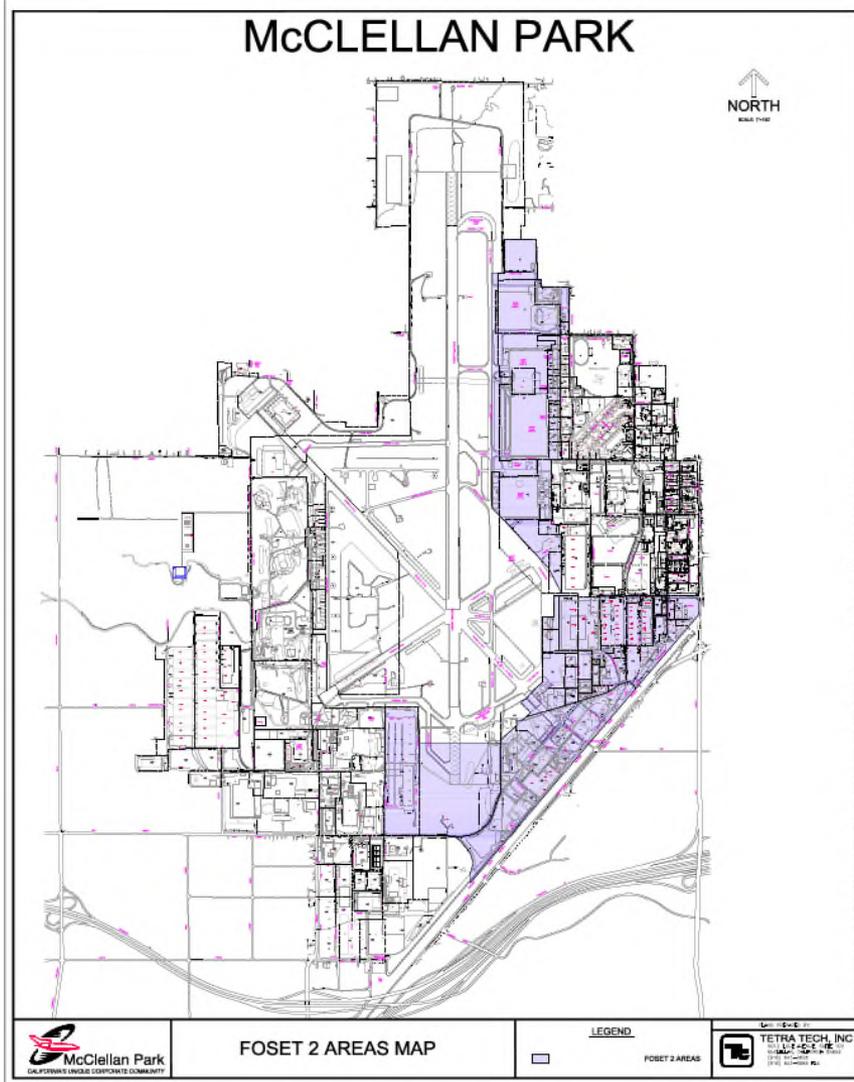


- Summer 2015
 - Completed data gap sampling
- Mid 2017
 - Final Remedial Investigation/ Feasibility Study (RI/FS) completed
- Mid 2018
 - Proposed Plan approval
 - Public Meeting & Public Comment Period
- Early 2019
 - Record of Decision (ROD) – cleanup decision approval

FOSET #2

- Transfer Included:

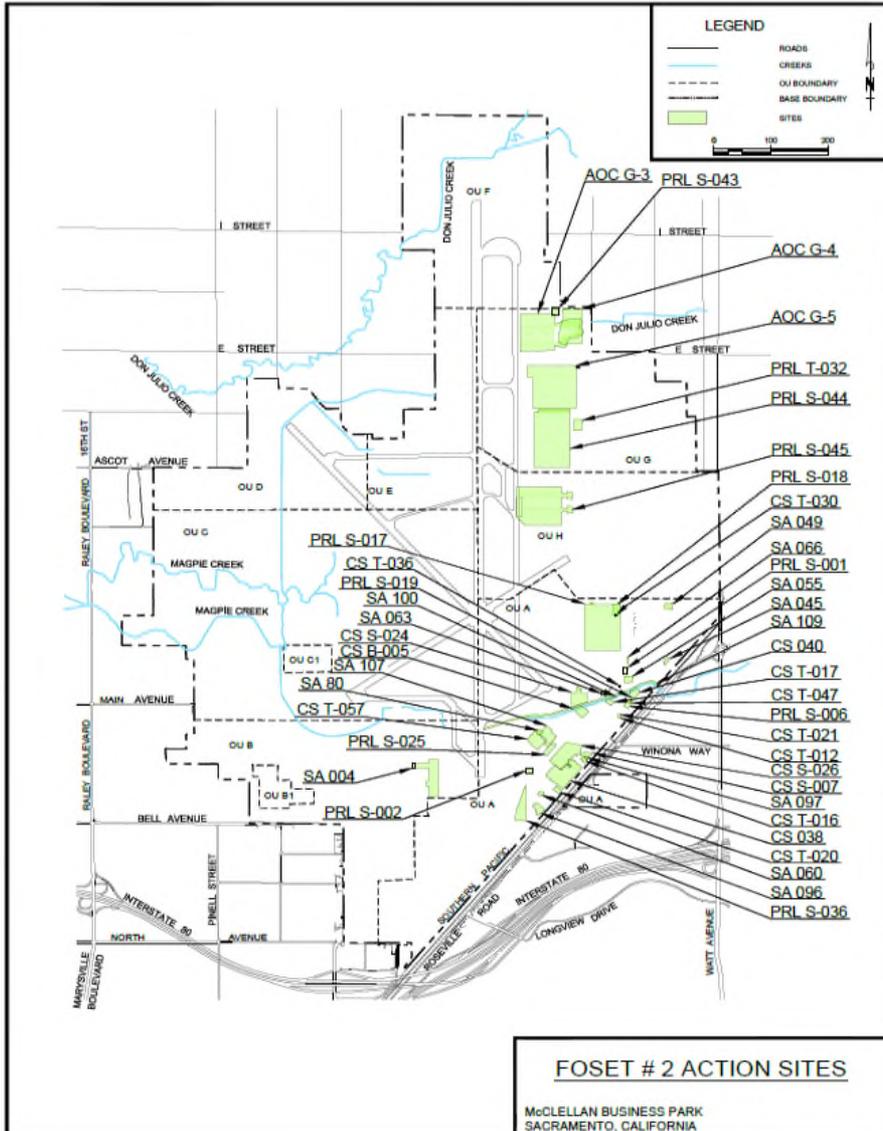
- 528 acres of former McClellan AFB
- 133 sites (10 sites cleanup decisions included in completed Air Force RODs)
- Three FOSET 2 Privatization RODs will include 123 sites
 - FOSET 2 Action Sites ROD (43 Sites) - completed
 - FOSET 2 No Further Action Sites ROD (35 Sites) - completed
 - FOSET 2 Group 2 Action Sites ROD (45 Sites) – Proposed plan complete / ROD in progress



FOSET #2 (Action Sites)

FOSET #2 Action Sites (43 Sites)

- 2016 Field Season – 10 sites excavated, 1 site no excavation needed
- 2017 Field Season – 7 sites excavated, 1 site no excavation needed.
- 2018 Field Season – 15 sites to be excavated
- 2019 Field Season – 9 sites to be excavated



FOSET #2 Action Sites – 2016 through 2018

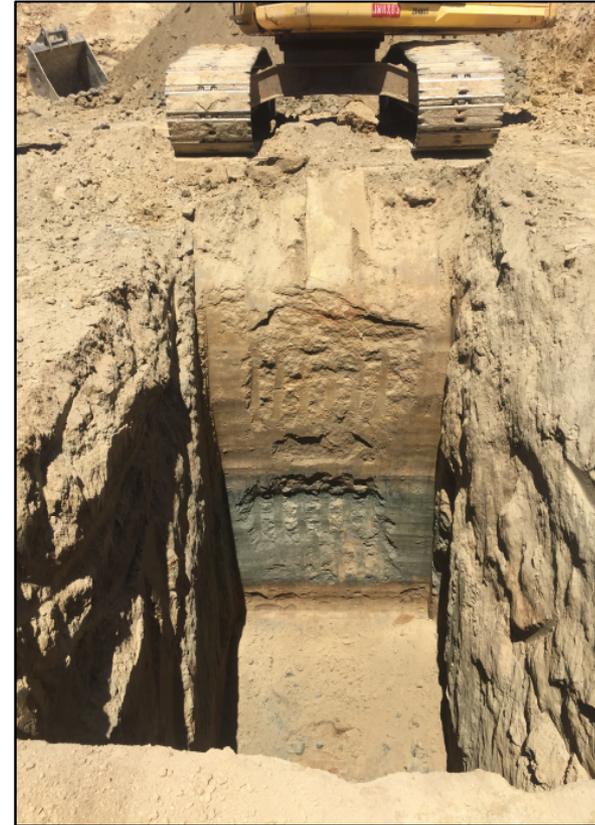
Field Season Status Update

- 2016 Field Season
 - Excavation Sites (10 sites) – CS S-024, CS S-026, CS T-020, PRL S-002, PRL S-025, PRL S-036, PRL S-043, PRL S-044, SA 055, SA 096
 - Site that required no excavation (1 site) – SA 066
- 2017 Field Season
 - Excavation Sites (7 sites) – AOC G-3, AOC G-4, CS T-012, CS T-021, PRL S-045, SA 004, SA 060
 - Site that required no excavation (1 site) – CS 038
- 2018 Field Season
 - Planned Excavation Sites (15 sites) – CS S-007, CS T-016, CS T-036, CS T-057, PRL S-001, PRL S-017, PRL T-032, SA 045, SA 049, SA 063, SA 080, SA 097, SA 100, and SA 107

FOSET #2 (Action Sites) 2017 Field Season - Excavation



Excavation at CST-012/021



Contaminated Soil at CST-012/021

FOSET #2 (Action Sites) 2017 Field Season - Excavation



Excavation at AOC G-3



Excavation at AOC G-3



Excavation at AOC G-4



Excavation at AOC G-4



Surface Restoration at AOC G-4

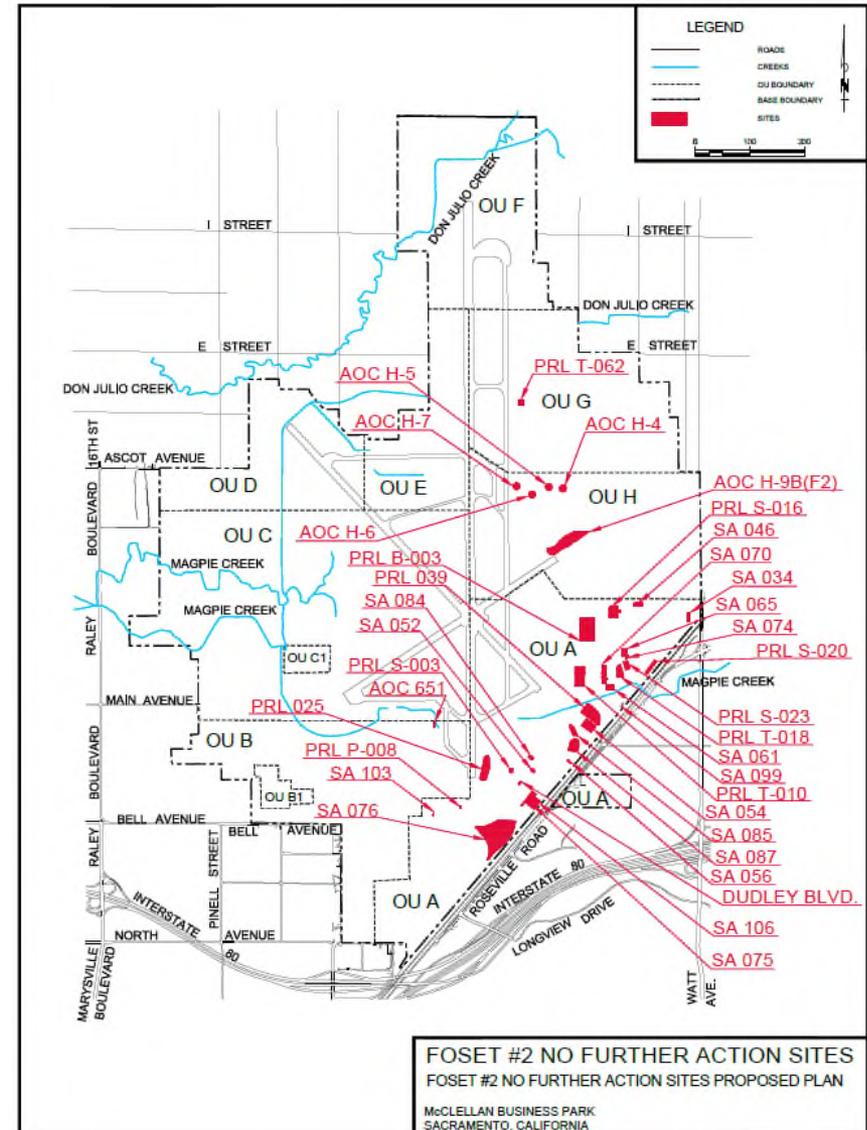


Surface Restoration at AOC G-4

FOSET #2 (No Further Action Sites)

No Further Action Sites (35 Sites)

- Proposed Plan completed in August 2015
- Record of Decision signed by Environmental Protection Agency (EPA) July 2016
- No Cleanup Required (ready for reuse)

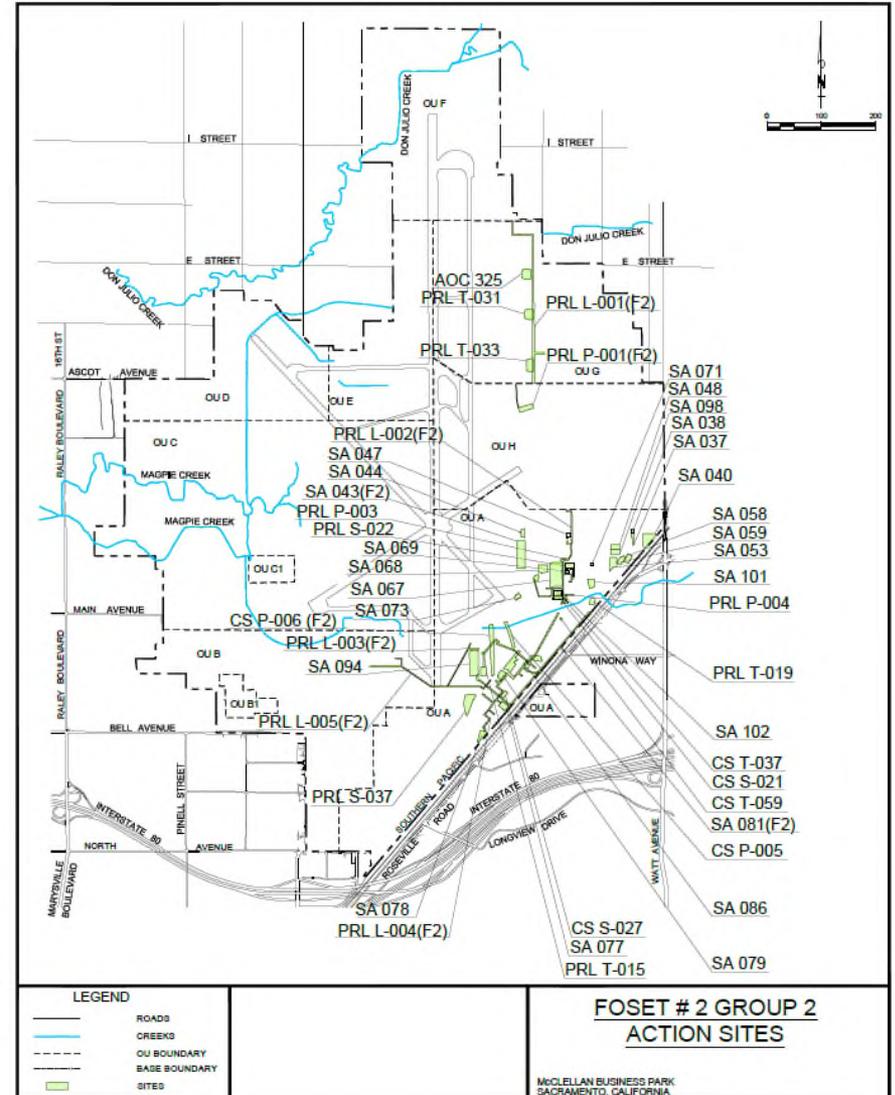


FOSET #2 (Group 2 Action Sites)

Group 2 Action Sites

(45 Sites)

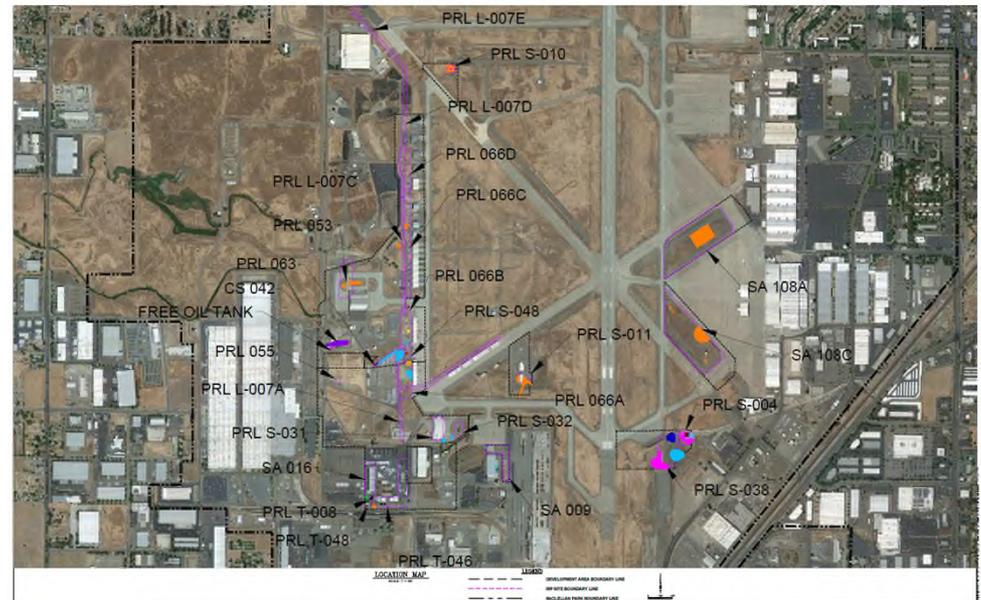
- 2017
 - Proposed Plan completed in April 2017
- 2018
 - Record of Decision



FOSET #3 (Project Sites)

FOSET #3 Project Sites (19 Sites)

- 2017 Field Season –
 - 8 sites excavated
- 2018 Field Season –
 - 4 sites to be excavated



FOSET #3 Project Sites – 2018 Field Season Status Update

- Excavation Sites (4 sites) – PRL 063, PRL 066C-D/PRL L-007C-E, PRL S-004, and PRL S-038
- Pre-Excavation Sampling Site (1 site) – SA 108

FOSET #3 (Project Sites) 2017 Field Season - Excavation



Excavation at PRL 055



Site Restoration at PRL 055

FOSET #3 (Project Sites) 2017 Field Season - Excavation



Excavation at PRL 053



Interim Site Restoration at PRL 053

FOSET #3 (Project Sites) Pre-excavation Sampling



Pre-Excavation Sampling at
Free Oil Tank/ CS 042

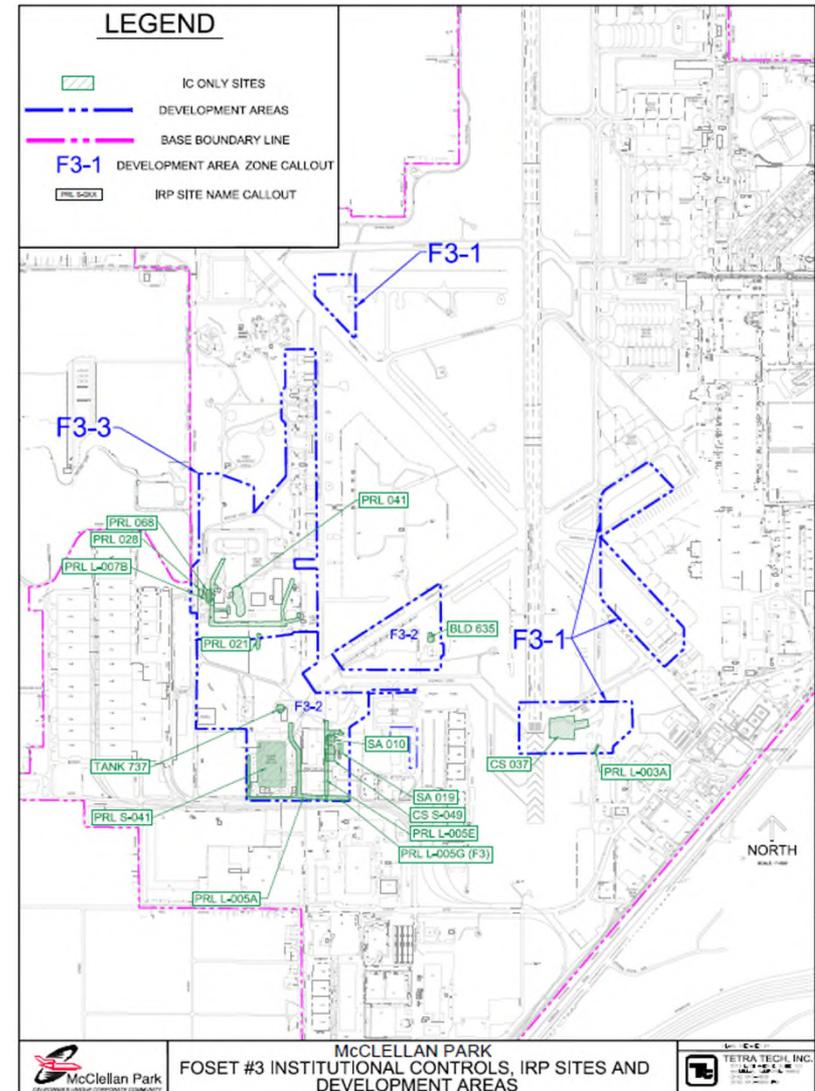


Pre-Excavation Sampling at
SA 016/ PRL T-046

FOSET #3 (Institutional Controls Only Sites)

Institutional Control Only Sites (18 Sites)

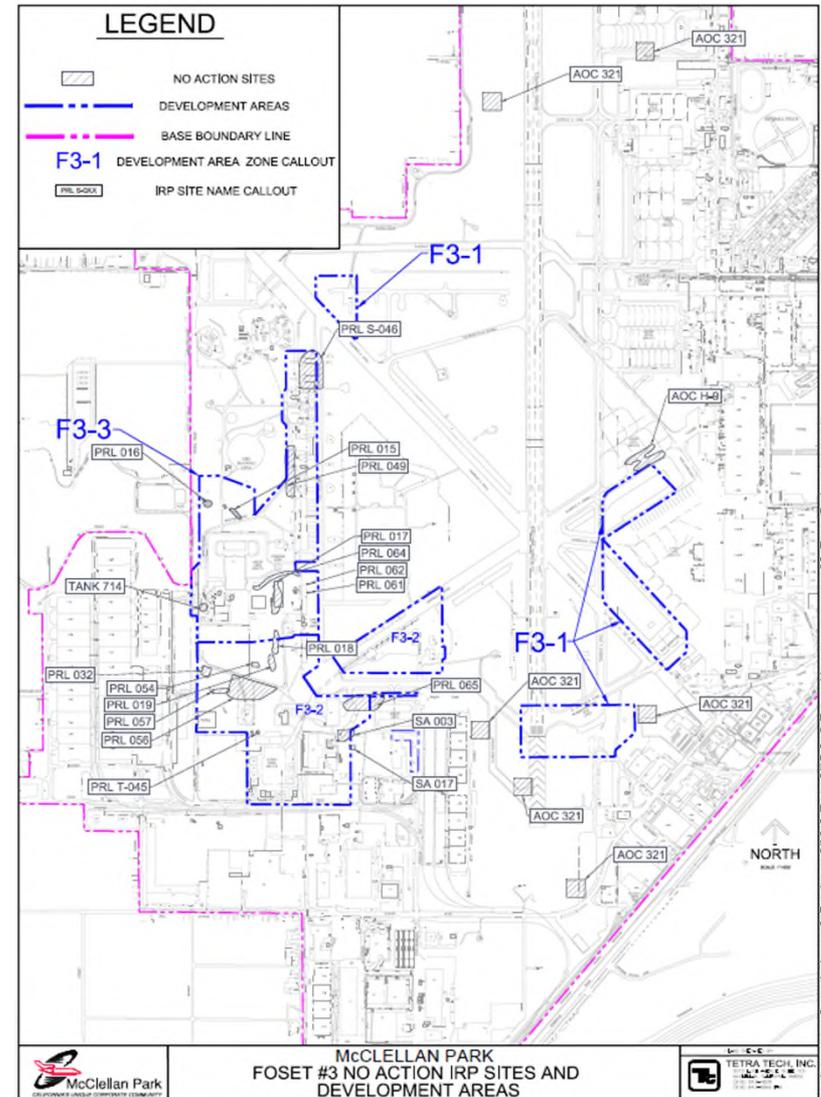
- Proposed Plan completed in October 2012
- Record of Decision signed in April 2014
- No Excavation Required (requires controls)



FOSET #3 (No Further Action Sites)

No Further Action Sites (21 Sites)

- Proposed Plan completed in October 2012
- Record of Decision signed in April 2014
- No Cleanup Required (ready for reuse)



McClellan Park RAB –April 2018

Questions?

For more information, contact:



Alan Hersh
(916) 965-7100
ahersh@mcclellanpark.com

or



Dana Hachigian
(916) 891-3531
dana.hachigian@tetrattech.com

**McClellan Air Force Base (AFB)
Restoration Advisory Board (RAB) Meeting Minutes
April 18, 2018 -- McClellan, California**

Time: 6:30 PM
Place: North Highlands Recreation Center
North Highlands, California

RAB Member Attendees

<u>NAME</u>	<u>AFFILIATION</u>
PAUL PLUMMER	LOCAL BUSINESS COMMUNITY
RICH FRANCIS	U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA)
STEVE MAYER	AIR FORCE CIVIL ENGINEER CENTER; CO-CHAIR
STEPHEN PAY	CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCE CONTROL
JAMES TAYLOR	CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD
CAROLYN GARDNER	MCCLELLAN PARK RESIDENT; CO-CHAIR
TINA SUAREZ-MURIAS	ENVIRONMENTAL COMMUNITY
DANA BOOTH	SACRAMENTO COUNTY
PAUL GREEN JR.	EDUCATIONAL COMMUNITY
GLENN JORGENSEN	NORTH HIGHLANDS COMMUNITY
RANDY ORZALLI	MCCLELLAN BUSINESS PARK TENANT

Welcome, Introductions and Agenda

Meeting facilitator Heidi Kolbe welcomed those in attendance to the meeting and asked each person to introduce themselves. Attendees signed the sign-in sheet, and picked up available handouts. Ms. Kolbe provided a meeting overview, which included the purpose of the RAB (Attachment 1) and ground rules for the meeting, as well as the agenda (Attachment 2).

September 2017 Minutes

Ms. Kolbe asked for approval of the meeting summary from the September 2017 McClellan RAB meeting. The summary was approved.

Air Force Cleanup Property Transfer and Emerging Contaminants Update

See attached presentation slides (Attachment 3), available at

<https://www.afcec.af.mil/Home/BRAC/McClellan-AFB/Library/>

Steve Mayer (Air Force Civil Engineer Center), presented an update on the current Air Force remediation projects taking place at McClellan. Sites discussed included PRL020, CSO43, CSO52, CSO67, CS069 and AOC 314. Mr. Mayer also provided an update on the status of the Airfield and Eco sites FOST and an update on Perfluorinated chemicals and 1,2,3 – Trichloropropane.

Key questions included:

- How did the contamination found at CS067 get into the site?
Mr. Mayer: It was part of the disposal activities that took place at the site.
- What activities at the base generated uranium?
Mr. Pay: The only likely source would have been some of the technical operations that took place here when the base was active. It's only soil that has the material in it. How they used it is undetermined.
- Have you identified the radioactive isotopes, and is there one specific type?
Mr. Mayer: Radium is the material of interest. It is attributed to the painting of radium dials. We've found it extensively across the base. We've sampled extensively and it has not migrated off the base.
- How long has it been in the ground?
Mr. Mayer: Disposal started in the 1940s when planes were being prepared to go overseas. Digging pits and putting the disposal in them was the practice until the 1970s.
- Is the radium being found associated with or chemically bound to the soil particles? And can it move through groundwater?
Mr. Mayer: It is bound to the soil. And we have protective means in place to keep the soil from being washed off the site. If the soil did get washed somewhere else it would take the material with it.
Mr. Pay: The isotopes we're dealing with are bound to the soil. They get captured very quickly and it doesn't travel very far.
- What is the potential for the radium that you're finding to be the byproduct of the decay of the uranium and thorium, and not just from the painting of the dials?
Mr. Mayer: Our analysis will look into that, but principally what we have seen at the base is the radium is attributed to the painting of the dials and not decay from other activities.
- If the radium goes down the sewer pipe what keeps it from going to the processing plant?
Mr. Mayer: It did go there and we found it in the footprint of the sewer treatment plant and in the creek sediments from the plant's discharge. We've cleaned up the sewer treatment plant, the sewer line and the creek itself. We chased it from the source, which was Building 252, which has since been demolished, and cleaned up almost everything associated with it. There is still one project near the creek channel left to cleanup.
- Who is managing the West Nature Area?
Mr. Mayer: It will be transferred to McClellan Business Park and they have set up an endowment for its long-term management as a nature preserve. The Wildlife Heritage Foundation will manage it.

- Is the taxpayer going to be stuck paying for this endowment?
Mr. Mayer: No. It is funded by funds set aside from mitigation.
- What process is used to decide who gets the property and who doesn't?
Mr. Mayer: Any time Federal property is no longer needed the first thing they do is look at other Federal activities to see if there's a fit. If not, then it is opened up to the State, the County or the City. Homeless housing (the McKinney-Vento Homeless Assistance Act) is another place that is looked at. There's also an opportunity for Public Benefit Conveyances, like the small arms firing range and the fire training area.
- On the north side of the runway where Elkhorn Blvd transitions, has there been anything done with the creek that runs diagonally to it?
Mr. Mayer: Rio Linda Creek and Robla Creek merge right there. They have all been characterized and did not require any specific remedial action.
- Have the wells in the area been released for use?
Mr. Mayer: No, there is still a prohibition zone around the base.

Privatized Cleanup Status Update

See attached presentation slides (Attachment 4), available at

<https://www.afcec.af.mil/Home/BRAC/McClellan-AFB/Library/>

Dana Hachigian (Tetra Tech) presented an update on the privatization program at McClellan.

Key questions included:

- Can the No Further Action sites be used for anything?
Mr. Francis: Putting an IC (institutional control) in place is an action, so these No Further Action Sites should be ready for residential use.
- Where does the soil go?
Ms. Hachigian: For the FOSET 2 sites it goes to Wheatland, Calif. For FOSET 3 it goes to the Consolidation Unit here at McClellan.
- What is going on with the reactor on the base?
Mr. Mayer: The Air Force had a research reactor and it was transferred to UC Davis. They use it for medical and industrial work.

Regulatory Update

Rich Francis (EPA) spoke about the Community Involvement Plan that was handed out at the meeting. The plan focused on the last two decision documents (FOSET 2, Group 2 Record of Decision and the FOSET 1, Group 4 Action Sites proposed plan) published by the EPA.

Local Reuse Authority Update

There was no update.

Public Comment

Mr. Frank Miller: What is the status of the lawsuit that was reported on in the Sacramento Bee on August 23, 2017?

Mr. Mayer: The first part of the case was heard in the Court of Federal Claims. The ruling was a dismissal of the case. It is now being appealed, which can take up to six to 12 months. The second part of the case is being heard in the Federal District Court. It is in a "stayed" position and will be heard in the next six to 12 months.

Mr. Lee Whitehead: When the state decreased the Chrome 6 levels what's going on with those three sites?

Mr. Mayer: We revised the Record of Decision for the groundwater to incorporate a number at 14 parts per billion. Subsequent to that the court system dismissed the MCL at 10. We have not gone back and changed our number from 14 and we continue to move forward with that number. It is incorporated into our sampling protocol and we will continue to evaluate those sites.

Mr. Lee Whitehead: What is the status of the remediation process in place for decontaminating the aquifer?

Mr. Mayer: We do quarterly reporting on that and the data shows we are making significant progress on it. The reports are available on the Administrative Record.

Mr. Frank Miller: What is the status of the 32 fracture wells put in by URS?

Mr. Mayer: That is IC29 and that project started four years ago. We are continuing to produce water from that location and we recently shut down the process and let it rebound over a six-month period of time. We restarted the wells in January and we are evaluating that data now. We are continuing to optimize that location of the base. It has definitely improved the plumes. The model shows we will be done cleaning the groundwater at the base in 2049, but we're always looking for ways to speed the process up.

RAB Members' Advice, Comments, and Announcements

There was none.

Upcoming Meeting Date

TBD

The meeting adjourned at 8:30 p.m.