

**Travis Air Force Base
Environmental Restoration Program
Restoration Program Manager's
Meeting Summary
18 April 2024, 1200 Hours**

The Travis Air Force Base (Travis) Remedial Program Manager (RPM) of the Air Force Civil Engineer Center (AFCEC) Restoration Installation Support Section (ISS) conducted the RPM meeting on 18 April 2024 at 1200 hours. This meeting was held in person with Microsoft Teams and call-in audio options.

Attendees included:

• Chet Storrs	AFCEC/CZOW
• Mobashir Ahmad	AFCEC/CZOW
• Monika O'Sullivan	AFCEC/CZOW
• Lou Briscese	Travis AFB 60 AMW/PA
• Alan Soicher	USACE-Omaha
• Amy Estey	USACE-Sacramento
• Ryan Sinnott	USACE-Sacramento
• Jolie Higgins	USACE-Sacramento
• Vicky Wiraatmadja	EPA
• Karla Brasaemle	TechLaw, Inc.
• Alberto Gutierrez	DTSC
• Dominique Forrester	DTSC
• Dave Kremer	DTSC
• Adriana Constantinescu	RWQCB
• David Elias	RWQCB
• Megan Duley	SRS
• Alexandra Banks	SRS
• Alysse Gutierrez	SRS
• Lauren Idleman	SRS
• Cindy Liu	ERRG
• Chris Coonfare	FPM
• Gaby Atik	FPM
• Leslie Royer	Jacobs
• Doug Berwick	Jacobs
• Peggy Taylor	Jacobs
• Jill Dunphy	Jacobs

Handouts distributed prior to the meeting included:

- Attachment 1: Meeting Agenda
- Attachment 2: Action Item Status
- Attachment 3: Master Meeting and Document Schedule
- Attachment 4: Travis AFB PFAS Update
- Attachment 5: Travis AFB LUC Update
- Attachment 6: ORC Program Update
- Attachment 7: Presentation - Groundwater Treatment Systems Update (December 2023 through February 2024)
- Attachment 8: Presentation: Phase 1 Remedial Investigation of AFFF Areas

I. TRAVIS AFB UPDATES

A. ADMINISTRATIVE

1. Agenda and Introductions

Travis RPM started the meeting and reviewed the agenda. Ms. Constantinescu of the San Francisco Bay Regional Water Quality Control Board introduced her colleague, Mr. David Elias, Mr. Alberto Gutierrez introduced himself as the acting PM for DTSC.

2. Action Item Review (Attachment 2)

Travis RPM reported on the status of action items from the January 2024 RPM Meeting. Please see Attachment 2 for full briefing.

3. Master Meeting and Document Schedule Review (see Attachment 3)

The Travis AFB Master Meeting and Document Schedule (MMDS) was discussed during this meeting (see Attachment 3).

Travis AFB Annual Meeting and Teleconference Schedule

The next RPM meeting is scheduled for 17 July 2024 at 1000.

The next Restoration Advisory Board (RAB) meeting is scheduled for 16 April 2025 at 1900. This is the third Wednesday of April; the venue informed our team that they can no longer accommodate our usual schedule. The RPM meeting will be held on the same day as the RAB (16 April 2025).

Travis AFB Master Document Schedule

- Site SD031 RI Work Plan: The Response to Comments Resolved due date was changed to 26 April 2024. All other dates were changed accordingly.
- Community Relations Plan (CRP) Update: There were no changes to the schedule.
- Site LF006 Remedial Action Completion Report: The Response to Comments Resolved and Final due dates were changed to 26 April 2024. Additional discussion will take place after today's RPM meeting.
- Subarea LF007C Groundwater Extraction System Optimization Technical Memorandum: There were no changes to the schedule.
- 2023 Annual Site LF007 CAMU Inspection, Monitoring, and Maintenance Report: This is a new document. The AF document lead will be Travis RPM. The contractor document lead will be Jacobs. The Predraft to AF/Service Center was assigned a due date of 8 May 2024; the rest of the dates were assigned accordingly.
- 2023 Annual Groundwater Remediation Implementation Status Report (GRISR): This is a new document. The AF document lead will be Travis RPM. The contractor document lead will be Jacobs. The Predraft to AF/Service Center was assigned a due date of 30 May 2024; the rest of the dates were assigned accordingly.
- POCO Site ST028 Data Gap Investigation Technical Memorandum: The Response to Comments Resolved and Final due dates were changed to 30 April 2024. Additional discussion will be necessary prior to submittal of the RTCs and Final document.

Moved to History:

- 2022 Annual Groundwater Remediation Implementation Status Report (GRISR)
- 2022 Annual Site LF007 CAMU Inspection, Monitoring, and Maintenance Report
- POCO Site SS014 Subsite 1 Remedial Action Report Addendum
- Five Year Review

B. CURRENT PROJECTS

1. PFAS Update (Attachment 4)

Travis RPM reported on the PFAS updates for Travis AFB. Please refer to Attachment 4 for the full briefing. Highlights of the discussion are as follows:

- Travis RPM discussed other PFAS initiatives. For the NFA-1 contract, the Air Force is working on Agency RTCs but all sites are recommended to move forward to the RI phase. Travis RPM are working to add the sites to the current RI. If the sites can't be added to the current contract, the document schedule or amendments would need to be considered.
- During the November 2023 RPM meeting, Jessica Faragalli briefed that Travis AFB was selected as one of seven installations planned in a nationwide project for PFAS fingerprinting and background study project. Travis RPM asked Ms. Duley to provide an update. Ms Duley discussed a slide outlining the planning documents and upcoming field activities planned for 28 May – 14 June 2024. The field effort will include soil, groundwater, and surface water sampling. The planning documents include a Programmatic UFP-QAPP that is used across all installations included in the study, which will be accompanied with installation-specific addenda. The programmatic UFP-QAPP has already been reviewed by the USACE, AFCEC, and USEPA. The team is not seeking comments on the programmatic document, but plans to submit the Travis AFB UFP-QAPP Addendum tomorrow for regulatory review. The Air Force requests a 30-day review and hopes to work together for accelerated comment resolution to meet the field schedule. Travis AFB will be the first installation to start field sampling activities with the other six installations following closely with staggered timing to manage laboratory capacity. At this time, there is not another time option for this calendar year. Ms. Duley proposed using the 15 May 2024 placeholder meeting to discuss and resolve document comments if reviews could be done in that timeframe to keep on field schedule. Travis RPM asked agencies to prioritize this document review if there are conflicts with other Travis documents since it is a nationwide study with multiple installations on a tight schedule.
- Ms. Constantinescu asked about ecological receptors protection during the field event planned for the fingerprinting and background analysis project. Travis RPM said they work with the 60 Civil Engineering (CE) biologist and follow requirements in the Installation Natural Resources Management Plan (INRMP); if there are concerns in particular areas then mitigation and conservation measures are followed. Ms. Constantinescu asked if the base biologist will be in the field during sampling; Ms. Duley replied that an Oneida biologist will be onsite and will follow the same process and mitigation measures as for the RI.
- Ms. Duley took the action item to flesh out the schedule for the AFFF RI, in addition to other forthcoming documents under the PFAS remedial investigation contract, to Ms. Royer to include in the MMDS. All Oneida documents will be discussed as part of Oneida's update in future RPM meetings.
- Travis RPM noted that the USEPA published MCLs for five PFAS constituents, and that they are waiting for guidance from AFCEC and the Office of the Secretary of Defense, but are reviewing previous data from off-base private drinking water wells.

2. LUC Updates (Attachment 5)

Travis RPM reported on the status of the LUC sites at Travis AFB. Please refer to Attachment 5 for the full briefing. Travis RPM mentioned that the funding to accomplish the indoor air sampling at the KC-46 Hangar is not through the Environmental Restoration Program, it is through the ROICC. Leadership is aware of the situation and is working on a solution.

C. PROGRAM ISSUES/UPDATE

None

D. ACTION ITEMS *(indicating status as of meeting adjournment)*

1	Megan Duley/Leslie Royer	Ms. Duley to send a list of all PFAS related documents to Ms. Royer to include in the informational documents section of the MMDS; for future discussion as part of the Oneida team updates.	17 July 2024	Open
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II. OPTIMIZED REMEDIATION CONTRACT UPDATES

A. Administrative

All administrative topics were discussed earlier in the RPM meeting.

B. CURRENT PROJECTS

1. Program Update (Attachment 6)

Ms. Royer reported on the status of the Optimized Remediation Contract at Travis AFB. Please see Attachment 6 for the full briefing.

2. Groundwater Treatment Systems Update (Attachment 7)

Mr. Berwick reported on the status of the groundwater treatment systems at Travis AFB for December 2023 through February 2024. Please see Attachment 7 for the full briefing.

C. PROGRAM ISSUES/UPDATE

None

D. ACTION ITEMS (*indicating status as of meeting adjournment*)

None

III. SRS PFAS CONTRACT

A. ADMINISTRATIVE

All administrative topics were discussed earlier in the RPM meeting prior to the Oneida Team presentation.

B. PRESENTATIONS

1. Travis AFB Phase I RI of PFAS Sites – Program/Issues/Update (Attachment 8)

Phase 1 Remedial Investigation Data-Driven Process

Ms. Duley presented a diagram illustrating the current progress and upcoming activities as part of the data-driven process for the Phase I RI. Data being generated from Field Event #3 is being integrated with previous field data for use in the ESS, CSM, and Phase I RI Report. The Final Phase I RI Report is currently due in July 2025, which is the end of the current contract. AECOM is currently developing ESS cross sections, which will be included in the ESS Tech Memo to be submitted in the summer/fall of 2024. Adriana noted that the ESS Tech Memo is not included in the MMDS. Ms. Duley will compile the Phase I RI Report and ESS Tech Memo dates and send to Ms. Royer for inclusion in the MMDS.

Current Status/Next Steps

Ms. Duley provided an update on the Current Status slide providing the dates for project milestones and completion of field work events. Eight lysimeters were installed and sampled in September 2023 and again January 2024. The third sampling event was performed this week and the fourth and final sampling event is planned for July 2024. The team noted the need for additional monitoring wells to address data gaps. Travis RPM noted that the Air Force is currently pursuing options. Ms. Constantinescu noted that property access issues were a consideration when selecting initial monitoring well locations (i.e. located along roadways). She noted that since securing the access agreements would likely be more timely, locations can be based more on the geologic and hydrogeologic

conditions. Ms. Duley agreed and noted that the well locations from Field Events #2 and #3 did provide valuable step-out locations. Ms. Duley showed a map of lysimeter locations. Lysimeters were installed at AFFF Sites 5 and 6 and are currently sampled quarterly.

Ms. Duley summarized next steps: the updated ESS Tech memo updated will be provided summer/fall 2024, the final lysimeter event will be conducted in July 2024, and the Phase I PFAS RI Report will be submitted in 2025.

Questions/Discussion

No further questions or discussion.

C. ACTION ITEMS *(indicating status as of meeting adjournment)*

Item #	Responsible	Action Item Description	Due Date	Status
2	Megan Duley/ Bob Mallisee	Ms. Duley to send PFAS Phase I RI Meeting Minutes to Jacobs	30 April 2024	Open

AGENDA
TRAVIS AIR FORCE BASE
ENVIRONMENTAL RESTORATION PROGRAM
RESTORATION PROGRAM MANAGERS' MEETING
18 APR 2024

The meeting is scheduled for 12:00 pm PST conducted via MS TEAMS with in-person option.

1. TRAVIS INSTALLATION SUPPORT SECTION

A. ADMINISTRATIVE

1. Introductions
2. Previous Meeting Minutes
3. Action Item Review
4. Master Meeting and Document Schedule Review

B. RPM UPDATES

1. PFAS
2. Land Use Controls

2. JACOBS OPTIMIZED REMEDIAL CONTRACT (ORC)

A. Administrative

B. Program Update

3. ONIEDA AFFF/PFAS REMEDIAL INVESTIGATION

1. Administrative

2. Program Update



Action Item Review



Item #	Responsible Party	Action Item Description	Due Date	Action Taken	Status
1	Travis RPM	Travis RPM to request (and provide, if available) documentation (including daily field logs) of soil removal and disposal from the area associated with Buildings 16, 18, and 21 and any other soil removal that occurred in preparation for construction or during construction of the KC-46 Hangar; both under CERCLA and as part of MILCON activities.	Ongoing	Travis RPM provided printed copy of soil data and manifest to Water Board representative on 17 Jan 2024; Water Board subsequently electronically distributed data to EPA and DTSC.	Closed
2	Travis RPM	Travis RPM to coordinate with Jacobs regarding an appropriate start time for the 18 April RPM meeting that will leave adequate time for RAB meeting setup.	21 Feb 2024	The April RPM Meeting will start at 12:00 pm on April 18, 2024.	Closed
3	Travis RPM	Travis RPM will provide regulatory agency representatives with contact information for the ROICC staff responsible for indoor air sampling at the KC-46 Hngar	21 Feb 2024	Email with 60CES POCs sent to Regulators on 27 Feb 2024: " For questions related to environmental items associated with preconstruction/construction activities (military construction: MILCON), please direct your questions to Mr. Thomas Rary and/or Ms. Leslie Peña of 60 Civil Engineering Squadron (60 CES). Please note that MILCON funding is completely separate, and no way related to restoration funding. As such certain procedures/documents that you are familiar with under the restoration program may not exist under MILCON." <u>Meeting with 60 CES has held on 28 Mar 2024 to discuss 3-bay hangar.</u>	Closed



Action Item Review (cont'd)



Item #	Responsible Party	Action Item Description	Due Date	Action Taken	Status
4	Travis RPM	Travis RPM will coordinate a tour of the KC-46 Hangar for the regulatory agency representatives immediately before the LUC inspections scheduled for 21 February, and send out an Outlook invitation	7 Feb 2024	The KC-46 Hangar Tour occurred on 21 February 2024 as planned	Closed
5	Travis RPM	Travis RPM will send documentation of effluent exceedance confirmation sampling at SBBGWTP received from Doug Berwick to the regulatory agency representatives	31 Jan 2024	Data were emailed to the regulators on 17 January 2024	Closed
6	Megan Duley/Bob Mallisee	Ms. Duley to send PFAS Phase I RI Meeting Minutes to Jacobs	31 Jan 2024	Closed as written	Closed
7	Travis RPM, Megan Duley/Bob Mallisee	Travis RPM to coordinate with Ms. Duley and Mr. Mallisee to submit validated off-base monitoring well data to the regulatory agencies	21 Feb 2024	Data were emailed to regulators on 5 March 2024	Closed
8	Travis RPM, Megan Duley/Bob Mallisee	Travis RPM, Ms. Duley, and Mr. Mallisee to schedule a meeting with the project team to discuss recent and off-base data from Field Event #3 after receipt of validated data	21 Feb 2024	Meeting invitation was sent on 5 March 2024, with the meeting scheduled for 20 March 2024	Closed

Travis Environmental Restoration Program 2024 RPM & RAB Meeting Schedule

Current as of 04 April 2024

Month	RPM Meeting	Location	RAB Meeting
JAN	17 (Wed) 10 am See Note 1	Travis ISS See Note 3	
FEB	*21 (Wed) 10 am See Note 2		
MAR	*20 (Wed) 10 am		
APR	18 (Thu) 12 pm	Travis ISS	18 (Thu) 7 pm See Note 4
MAY	*15 (Wed) 10 am		
JUN	*19 (Wed) 10 am		
JUL	17 (Wed) 10 am	Travis ISS	
AUG	*21 (Wed) 10 am		
SEP	*18 (Wed) 10 am		
OCT	16 (Wed) 10 am	Travis ISS	
NOV	*20 (Wed) 10 am		
DEC	-----		

NOTES:

1. All times are Pacific Standard Time (PST). RPM meetings are scheduled for in-person with MS Teams option unless otherwise noted..
2. *Indicates "Place holder" to mark your schedules for a meeting as needed. Place holders are in months in which RPM meetings are not held.
3. Travis ISS: Travis Installation Support Section; Building 248, 550 Hickam Avenue, Travis AFB.
4. Northern Solano County Association of Realtors; 3690 Hilborn Road Fairfield, CA 94534.

 RPM Meeting.  RAB Meeting.

RPM Meeting.

RAB Meeting.

March						
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17	18	19	20	21	22	23
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31						
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June						
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September						
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December						
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22	23	24	25	26	27	28
29	30	31				
1:●	8:●	15:○	22:●	30:●		

Travis AFB Master Meeting and Document Schedule

PRIMARY DOCUMENTS (ORC)		
Life Cycle	Site SD031RI Work Plan Travis AFB RPM Jacobs	Community Involvement Plan Update Travis AFB RPM Jacobs
Scoping Meeting	NA	NA
Predraft to AF/Service Center	09-22-23	12-08-23
AF/Service Center Comments Due	10-20-23	01-09-24
Draft to Agencies	11-30-23	02-20-24
Agency Comments Due	01-31-24	04-16-24
Response to Comments Meeting	TBD	TBD
Agency Concurrence with Remedy	NA	NA
Public Comment Period	NA	NA
Public Meeting	NA	NA
Response to Comments Resolved	04-26-24	05-14-24
Draft Final Due	04-26-24	05-14-24
Final Due	05-24-24	06-13-24

Travis AFB Master Meeting and Document Schedule

INFORMATIONAL DOCUMENTS (ORC)			
Life Cycle	Site LF006 Remedial Action Completion Report Travis AFB RPM Jacobs	Subarea LF007C Groundwater Extraction System Optimization Technical Memorandum Travis AFB RPM Jacobs	2023 Annual Site LF007 CAMU Inspection, Monitoring, and Maintenance Report Travis AFB RPM Jacobs
Scoping Meeting	07-19-23	NA	NA
Predraft to AF/Service Center	10-30-23	02-22-24	05-08-24
AF/Service Center Comments Due	11-29-23	03-21-24	06-06-24
Draft to Agencies	01-10-24	05-02-24	07-05-24
Agency Comments Due	02-07-24	05-31-24	08-02-24
Response to Comments Meeting	TBD	TBD	TBD
Response to Comments Resolved	04-26-24	06-28-24	08-30-24
Draft Final Due	NA	NA	NA
Final Due	04-26-24	06-28-24	08-30-24
Public Comment Period	NA	NA	NA
Public Meeting	NA	NA	NA

Travis AFB Master Meeting and Document Schedule

INFORMATIONAL DOCUMENTS (ORC)			
Life Cycle	2023 Annual Groundwater Remediation Implementation Status Report Travis AFB RPM Jacobs		
Scoping Meeting	NA		
Predraft to AF/Service Center	05-30-24		
AF/Service Center Comments Due	06-27-24		
Draft to Agencies	07-26-24		
Agency Comments Due	08-23-24		
Response to Comments Meeting	TBD		
Response to Comments Resolved	09-23-24		
Draft Final Due	NA		
Final Due	09-23-24		
Public Comment Period	NA		
Public Meeting	NA		

Travis AFB Master Meeting and Document Schedule

INFORMATIONAL POCO DOCUMENTS (ORC)	
Life Cycle	Site ST028 POCO Data Gap Investigation Report Travis AFB RPM Jacobs
Scoping Meeting	NA
Predraft to AF/Service Center	01-26-24
AF/Service Center Comments Due	02-09-24
Draft to Agencies	03-01-24
Agency Comments Due	03-15-24
Response to Comments Meeting	TBD
Response to Comments Resolved	04-30-24
Draft Final Due	NA
Final Due	04-30-24
Public Comment Period	NA
Public Meeting	NA

Travis AFB Master Meeting and Document Schedule

HISTORY – PRIMARY POCO DOCUMENTS (ORC)			
Life Cycle	POCO Site SS014 Subsite 1 Remedial Action Report Addendum Travis AFB RPM Jacobs		
Scoping Meeting	02-27-23		
Predraft to AF/Service Center	07-21-23		
AF/Service Center Comments Due	08-18-23		
Draft to Agencies	09-29-23		
Agency Comments Due	12-15-23		
Response to Comments Meeting	TBD		
Response to Comments Resolved	02-06-24		
Draft Final Due	02-06-24		
Final Due	02-15-24		
Public Comment Period	NA		
Public Meeting	NA		

Travis AFB Master Meeting and Document Schedule

HISTORY – PRIMARY DOCUMENTS (Five-Year Review)	
Life Cycle	Five-Year Review Travis AFB RPM Bayside/ERRG
Scoping Meeting	1-11-23
Pre-Draft to AF/Service Center	4-26-23
AF/Service Center Comments Due	5-17-23
Draft to Agencies	6-7-23
Agency Comments Received	8-1-23
Response to Comments (RTC) Meeting	8-10-23
Submit RTCs to Agencies	10-2-23
Agency Comments on RTCs	11-17-23
Submit Additional RTCs to Agency RTC Comments to AF/USACE	11-21-23
AF/USACE Review and Acceptance of Additional RTCs	1-19-24
Submit Additional RTCs and Redline Draft Final Report to Agencies	1-22-24
Agency Review and Acceptance of Additional RTCs and Redline Draft Final Report	2-26-24
Final Due	2-26-24

Travis AFB Master Meeting and Document Schedule

HISTORY – INFORMATIONAL DOCUMENTS (ORC)			
Life Cycle	2022 Annual Groundwater Remediation Implementation Status Report Travis AFB RPM Jacobs	2022 Annual Site LF007 CAMU Inspection, Monitoring, and Maintenance Report Travis AFB RPM Jacobs	
Scoping Meeting	NA	NA	
Predraft to AF/Service Center	05-17-23	05-08-23	
AF/Service Center Comments Due	07-10-23	06-08-23	
Draft to Agencies	08-07-23	07-21-23	
Agency Comments Due	10-03-23	08-18-23	
Response to Comments Meeting	TBD	TBD	
Response to Comments Resolved	02-26-24	01-16-24	
Draft Final Due	NA	NA	
Final Due	03-14-24	01-29-24	
Public Comment Period	NA	NA	
Public Meeting	NA	NA	

Other Travis AFB Restoration Documents Provided to the Agencies

Other Travis Restoration Documents	
Document	Status
Due Diligence for Additional PFAS Sources	Contract on hold pending modification
Site Inspection Report for AFFF Areas: 1987 L-100 Crash, 1993 C-141B Fire, Fire Station 5 (Building 38), 1974 DC-8 Fire	All Agency comments received; AF RTC in progress



Other PFAS Initiatives

No Further Action-1 (NFA-1)

- Air Force is working on Agency RTC
- All sites moving into the RI phase
- Travis ERP working to add sites to current RI contract

Due Diligence for Additional Potential PFAS Sources (not a PA)

- Contract currently under modification
- Interview/surveys complete
- Report currently under construction

PFAS Fingerprinting and Background Study

- NSTR

NSTR: Nothing Significant To Report

Yellow highlight indicates updates from previous RPM meeting



EPA PFAS MCLs



- 10 Apr 2024 EPA published maximum contaminant levels (MCL) for 5 PFAS
- Waiting for guidance
- At Travis we will re-evaluate all data from off-base sampling of private drinking water wells

NSTR: Nothing Significant To Report

Yellow highlight indicates updates from previous RPM meeting



Land Use Control Updates



SS016 - KC-46 Hangar Project

- Elevated the situation with Leadership on 20 Mar 2024
- Still awaiting awarding of contract
- Indoor air sampling work plan is under development
- Funded by Air Force contracted through the Navy

NSTR: Nothing Significant To Report

Yellow highlight indicates updates from previous RPM meeting

Air Force Civil Engineer Center



ORC Program Update
RPM Meeting
April 18, 2024

FPM / Jacobs



Finalized Documents

CERCLA

- Site SD031 Data Gaps Investigation Workplan
- UFP-QAPP
- 2021 Annual GRISR
- 2021 Annual Site LF007 CAMU IMM Report
- Subarea LF007C Groundwater Extraction System Optimization Workplan
- Sites SS015, SD036, SD037, and DP039 Groundwater Remedy Optimization Workplan
- Site SD031 DGI TM
- 2022 Annual CAMU IMM Report
- 2022 Annual GRISR



Finalized Documents

POCO

- POCO Site ST028 DGI WP
- POCO Site SS014 Subsite 1 Remedial Action Report Addendum



Draft Documents

CERCLA

- Site SD031 RI Work Plan
- Site LF006 RACR
- Community Involvement Plan Update

POCO

- Site ST028 POCO DGI Report



Upcoming Documents

CERCLA

- | | |
|--------------------------------------|------|
| • Subarea LF007C GES Optimization TM | May |
| • 2023 Annual CAMU IMM Report | July |
| • 2023 Annual GRISR | July |

POCO

- None



Completed Fieldwork



- 4Q21 GRIP Event
- 2Q22 GRIP Event
- Site SD031 Data Gaps Investigation
- 4Q22 GRIP Event
- 2Q23 GRIP Event
- Site LF007C Optimization
- 4Q23 GRIP Event
- Site ST028 POCO DGI
- Well Development/Repair



Upcoming / Ongoing Fieldwork



CERCLA

- | | |
|---|--------------|
| • Sites SS015, SD036, SD037, and DP039 Optimization (in progress) | June-April |
| • 2Q GRIP Event | April-May |
| • Site SD031 RI | July-January |

POCO

- None

Air Force Civil Engineer Center



Groundwater Treatment
Systems Updates December
2023 through February 2024

FPM / Jacobs

Battle Ready...Built Right!



LF007C GWTP



- The system maintained 100% uptime in December 2023 and 51% in January 2024. The system was off line in February 2024.
- The LF007C GWTP was taken off line on 17 January 2024 due to the presence of vernal pools. The system remained off line through February 2024.



Central GWTP



- System experienced 100% uptime in December 2023, January 2024, and February 2024.



SBBGWTP



- The SBBGWTP had 100% uptime in December 2023 and 47% uptime in January 2024.
- The system was taken off line on 16 January 2024 due to an effluent exceedance of cis-1,2-DCE. A carbon change is currently being coordinated.

Air Force Civil Engineer Center



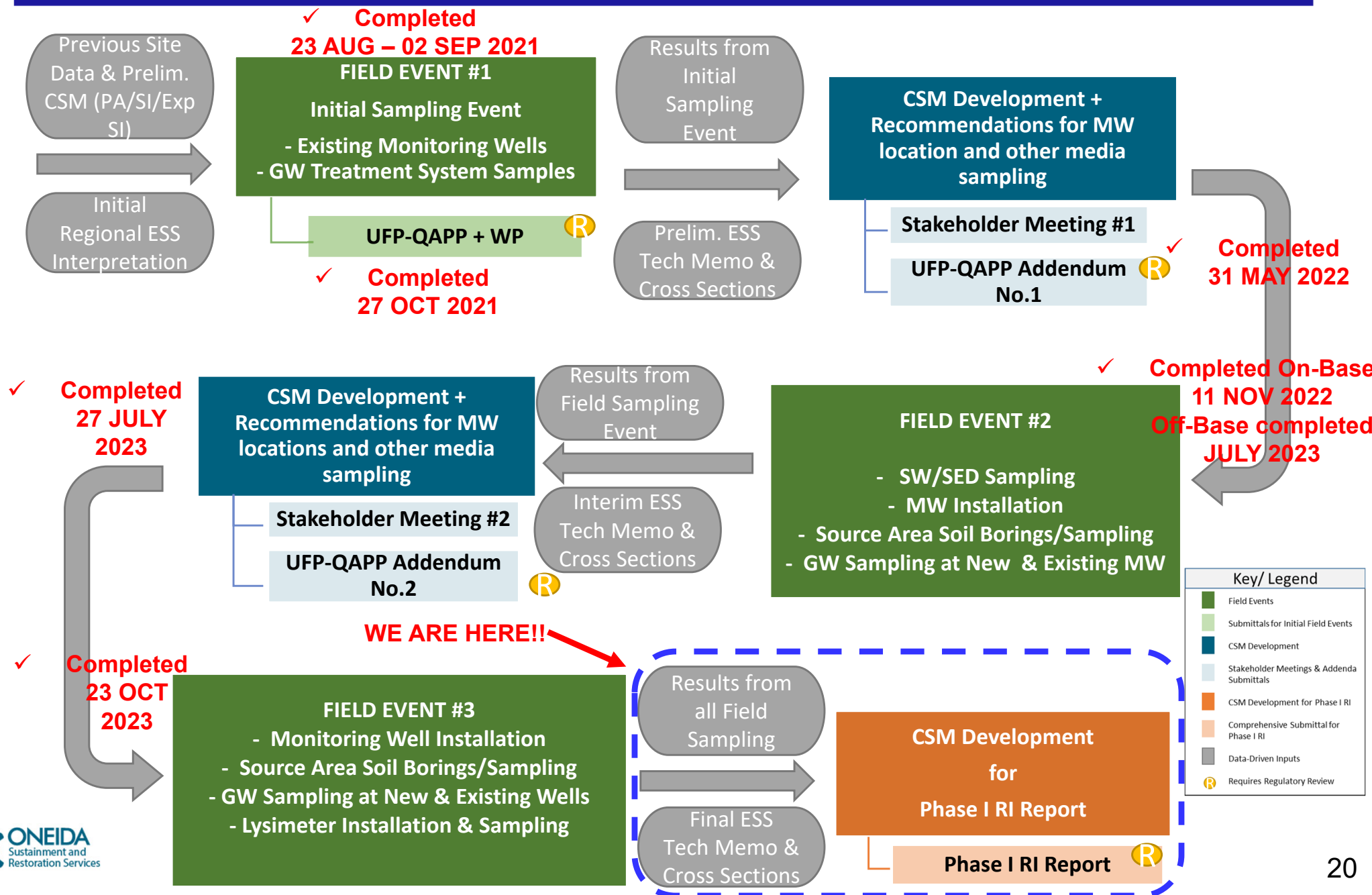
Travis Air Force Base Phase I Remedial Investigation of AFFF Areas

Presented by
Megan Duley, PE

18 April 2024



Phase I Remedial Investigation Data-Driven Process





Current Status

- **Final UFP-QAPP Addendum No. 2 – 27 JUL 2023**
- **Completed Field Event #2 – 12 JUN 2023 - 25 JUL 2023**
 - Finished Field Event #2 - Completed 25 off-Base MWs
- **Field Event #3 – 14 JUN 2023 – 23 OCT 2023**
 - Completed 29 MWs, 21 on-Base and 8 off-Base
 - Completed 32 source area soil borings and soil sampling
 - Groundwater sampling at 268 existing and newly installed MWs
 - Lysimeter installation and sampling - Oct 2023 and Jan 2024
 - Third/Fourth quarterly lysimeter sampling events in April/July 2024.

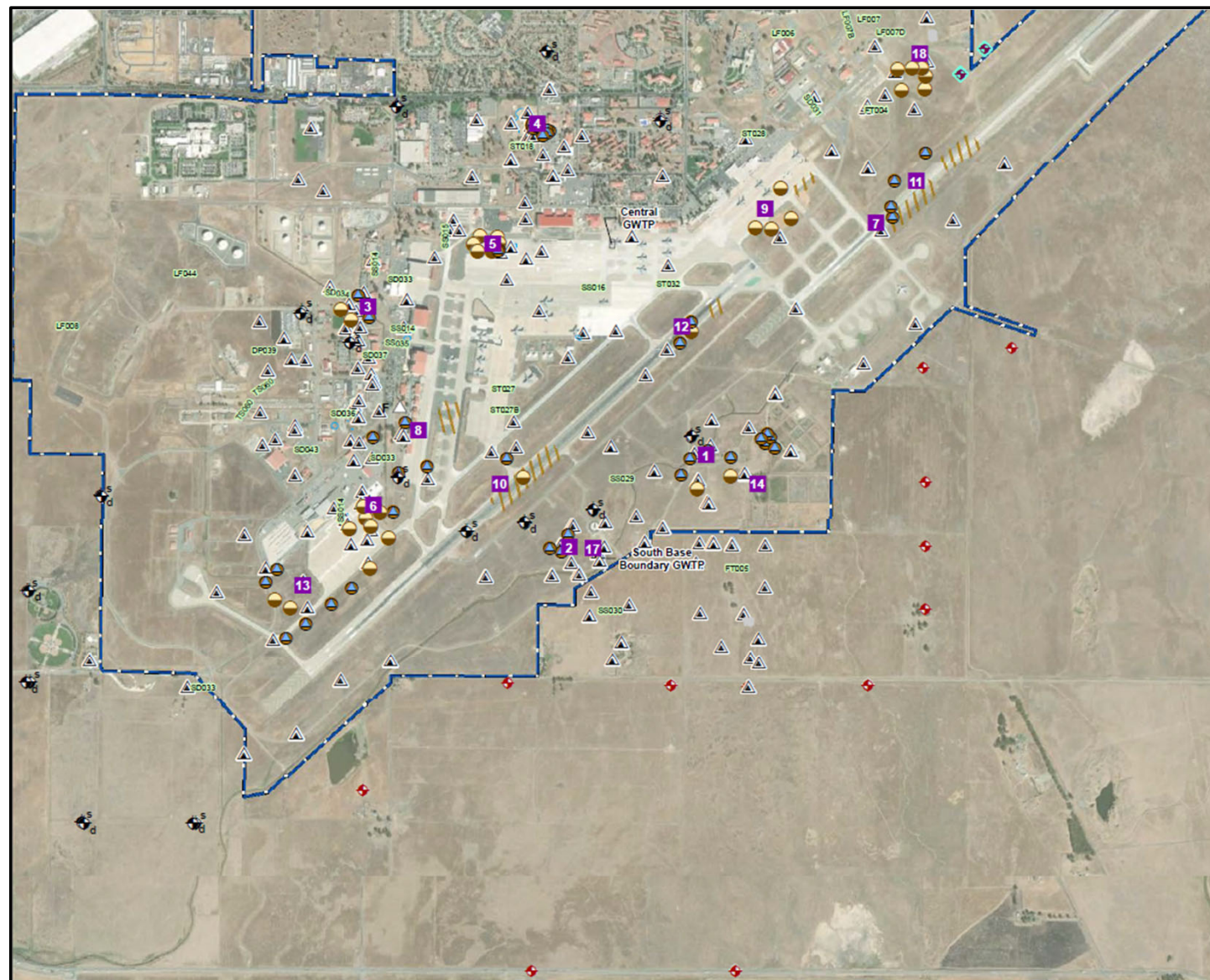


Field Event #3 Completed Locations



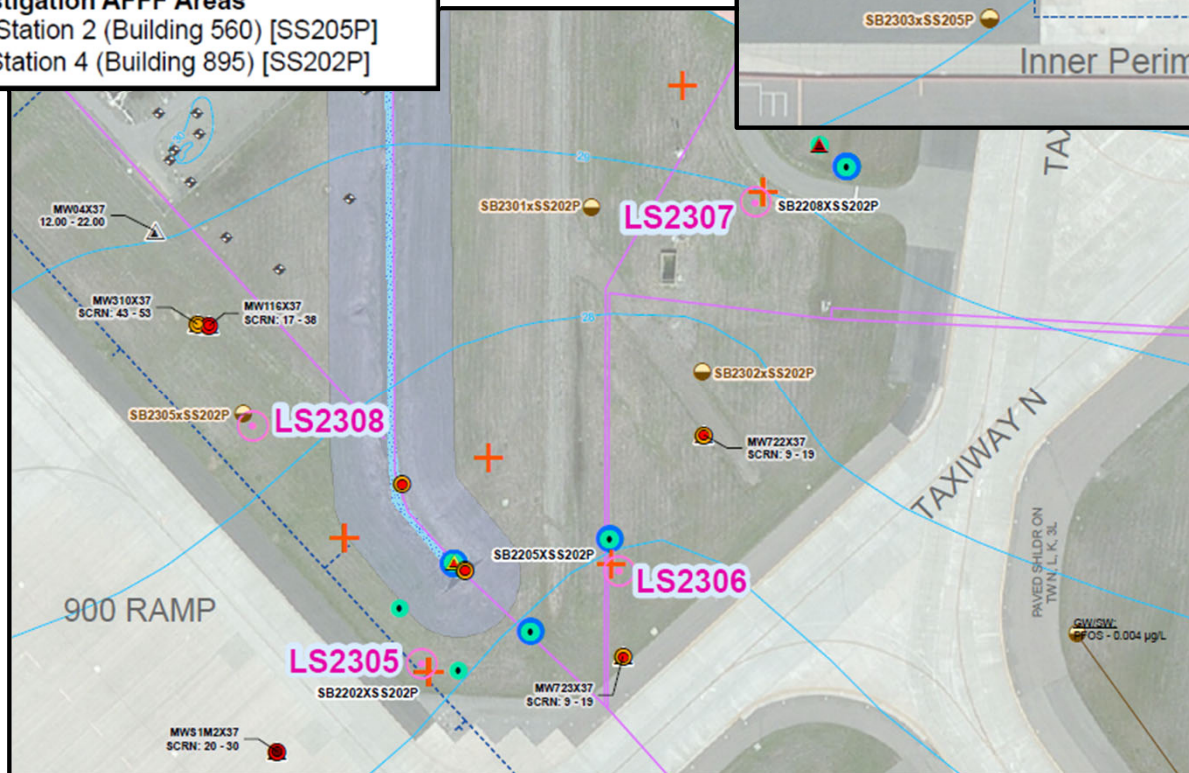
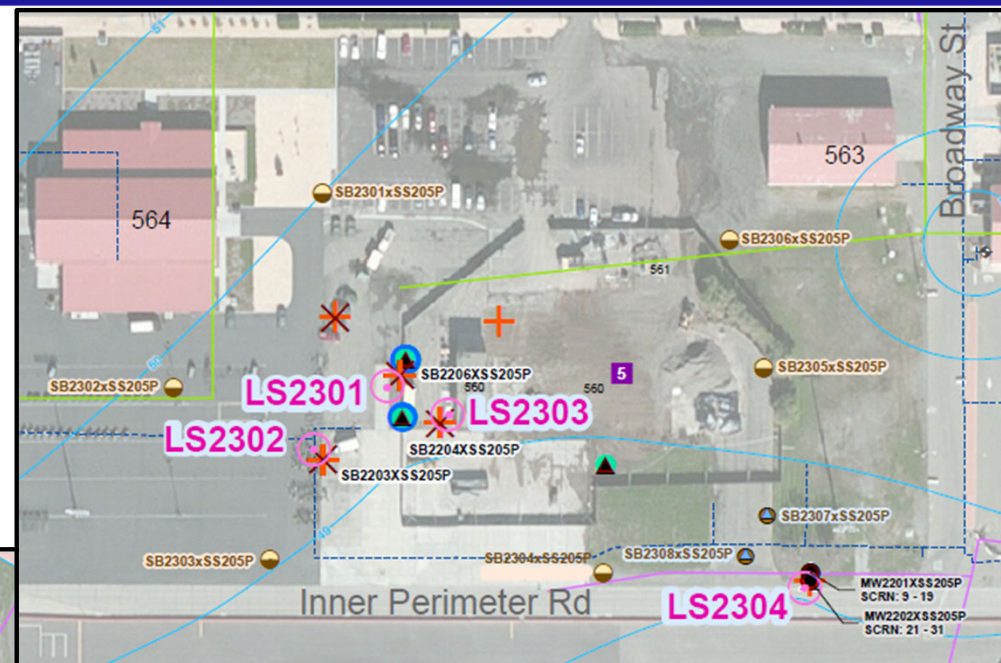
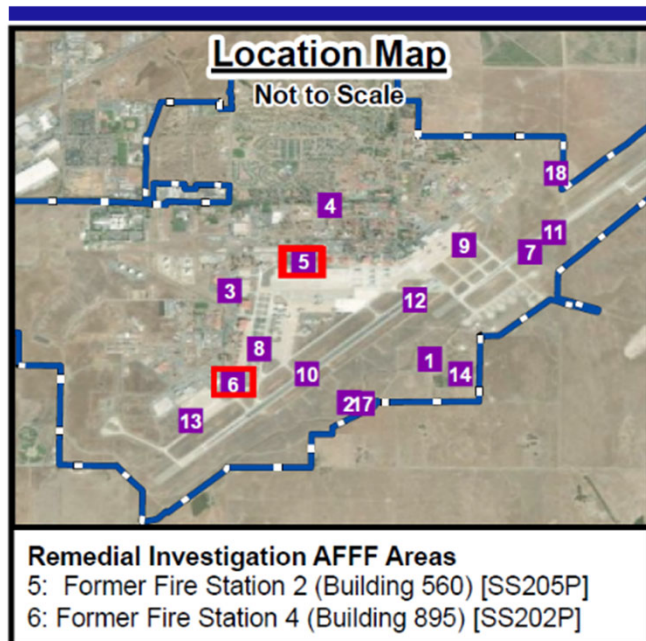
Legend

- Installed Shallow Monitoring Well
- Installed Deep Monitoring Well
- Completed Soil Boring
- Completed Surface Soil Sample
- Completed RI Sample in Existing Wells
- Field Event 2 Completed Monitoring Well
- Refusal, No Well Installed
- Groundwater Contour (5-foot intervals) (GRISR 2021)
- General Locations of Aircraft Crash/Fire Sites (CH2M HILL, 2016)
- Travis AFB Installation Boundary





Lysimeter Locations



Legend



Lysimeter Quarterly Sampling



- Similar construction to a monitoring well
- Pressure is applied to the black tube
- Leak check through the green tube
- Sampling pore water through the white-clear tube
- Approximately one 500mL HDPE bottle of water per lysimeter



Next Steps



- Data Evaluation and CSM Development
 - Environmental Sequence Stratigraphy (ESS) Tech Memo updated in Summer/Fall 2024
- Two more quarterly lysimeter sampling events (April / July 2024)
- Phase I RI Report (2025)



Questions?