

**Travis Air Force Base
Environmental Restoration Program
Restoration Program Manager's
Meeting Minutes
15 March 2023, 1000 Hours**

Mr. Chet Storrs of the Air Force Civil Engineer Center (AFCEC) Restoration Installation Support Section (ISS) conducted the Restoration Program Manager's (RPM) meeting on 15 March 2023 at 1000 hours. **This meeting was held in-person with a Microsoft Teams option and a call-in audio only option for those who could not attend in person.**

Attendees included:

• Chet Storrs	AFCEC/CZOW
• Mobashir Ahmad	AFCEC/CZOW
• Angel Santiago	AFCEC/CZOW
• Kurt Grunawalt	Travis AFB 60 AMW/JA
• Lou Briscese	Travis AFB 60 AMW/PA
• Alan Soicher	USACE-Omaha
• Jessica Faragalli	USACE-Sacramento
• Ryan Sinnott	USACE-Sacramento
• Nadia Burke	EPA
• Vicky Wiraatmadja	EPA
• Kimiye Touchi	DTSC
• Christopher Scudder	DTSC
• Dave Kremer	DTSC
• Adriana Constantinescu	RWQCB
• Bob Mallisee	SRS
• Alysse Gutierrez	SRS
• Luis Rivero	Bayside
• Cindy Liu	EERG
• Mary Holkenbrink	EERG
• Shannon Parker	EERG
• Chris Coonfare	FPM
• Lynette Mokry	FPM
• Leslie Royer	Jacobs
• Doug Berwick	Jacobs
• Mike Perlmutter	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 (March 2023)
- Attachment 5: Travis AFB LUC Update (March 2023)
- Attachment 6: ORC Program Update (March 2023)
- Attachment 7: Presentation - Groundwater Treatment Systems Update (January and February 2023)
- Attachment 8: Presentation: Phase 1 Remedial Investigation of PFAS Areas (March 2023)

I. TRAVIS AFB UPDATES

A. ADMINISTRATIVE

1. Agenda and Introductions

Mr. Storrs started the meeting and reviewed the agenda.

Mr. Storrs announced that Mr. Tom Potter will be on temporary military duty away from Travis AFB for several months, but will return. He also announced that Ms. Kim Rasmussen's last day with Travis ISS is 17 March, and that she has accepted a position with EPA.

2. Action Item Review (Attachment 2)

Mr. Storrs reported on the status of action items from the January 2023 RPM Meeting. Please see Attachment 2 for full briefing. Mr. Storrs requested that Action Items 1 and 4 be combined going forward until resolution.

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 May 2023. This will be an in-person meeting with MSTeams and call-in options.

The next RAB meeting is scheduled for 20 April 2023. This is currently planned as an in-person meeting. There is a virtual placeholder meeting scheduled for 18 April 2023 at 1000 if an overview of RAB presentation materials is warranted. Mr. Storrs informed the team that his leadership has directed the RAB meeting to cover Site ST028 and Outfall 4. Because the ERP scope is limited to Site ST028,

PAO Mr. Lou Briscese noted that he will be in attendance to cover any other concerns that arise.

Travis AFB Master Document Schedule

- Universal Federal Program Quality Assurance Program Plan (UFP-QAPP): The Final due date was changed to 22 March 2023.
- Community Relations Plan (CRP) Update: There was no change to the schedule. Mr. Storrs noted that AFCEC very recently provided a template for Air National Guard and Air Force-wide CIPs and CIP updates, so this update will follow that. Mr. Storrs took the action to provide the template to the agencies for their awareness but noted that this is not a solicitation for comments.
- Subarea LF007C Groundwater Extraction Optimization Work Plan: There was no change to the schedule.
- Sites SS015, SD036, SD037, and DP039 Groundwater Remedy Optimization Work Plan: There was no change to the schedule.
- Site SD031 Data Gaps Investigation Technical Memorandum: The Draft to Agencies due date was changed to 16 March 2023; the rest of the dates were changed accordingly.
- Remedial Action Report POCO Sites SS014 and ST032 Addendum: This is a new document; the Travis AFB document lead will be Mr. Mobashir Ahmad, and the Jacobs document lead will be Ms. Jill Dunphy. The Predraft to AF/Service Center was assigned a due date of 26 May 2023; the rest of the dates were assigned accordingly. Ms. Constantinescu noted that the title is misleading since it includes closed Site ST032, when only Site SS014 Subarea 1 will be discussed. Ms. Royer agreed to discuss a more appropriate title with the Jacobs editing team.
- POCO Site ST028 Data Gap Investigation Work Plan: The Draft to Agencies due date was changed to 21 March 2023, the rest of the dates were changed accordingly.
- 2021 Annual Groundwater Remediation Implementation Status Report (GRISR): The Response to Comments due date was changed to 17 March 2023. The rest of the dates were changed accordingly.
- 2021 Annual Site LF007 CAMU Inspection, Monitoring, and Maintenance Report: The Response to Comments due date was changed to 16 March 2023; the rest of the dates were changed accordingly.
- Remedial Action Construction Completion Report Site SS016 (Site SS016 RACCR): The Draft to Agencies due date was changed to 31 March 2023; the rest of the dates were changed accordingly
- UFP-QAPP Addendum No. 2: There was no change to the schedule.
- Five Year Review: This is a new document. The Travis AFB document lead will be Mr. Storrs; the Bayside Environmental document lead is TBD. The

Predraft to AF/Service Center was assigned a due date of 21 April 2023; the rest of the dates were assigned accordingly. Ms. Constantinescu requested additional time for agency review; Ms. Liu agreed to extend the Agency Comments Due date to 28 July 2023.

Moved to history:

- Site SD031 Data Gaps Investigation Work Plan

B. CURRENT PROJECTS

1. PFAS Update (Attachment 4)

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

- EPA announced the proposed National Primary Drinking Water Standard Regulation for 6 PFAS compounds. Emails from DoD and the Air Force indicate that no change to current operating procedures is necessary until these MCLs are finalized. AFCEC is reconsidering off-base data at all installations with respect to these proposed MCLs.
- Multiple AFCEC subject matter experts are working on responses to the EPA letter dated 18 January 2023. An internal meeting is scheduled for tomorrow to discuss further.
- Mr. Storrs presented several additional slides outlining the work plan for non-AFFF due diligence, noting that AFCEC is mostly concerned what may have affected long-term workers at the base (over a decade) vs. shorter term (2-3 year residents). These slides are included as part of Attachment 4.

2. LUC Updates (Attachment 5)

Mr. Storrs reported on the status of the LUC sites at Travis AFB. Please refer to Attachment 5 for the full briefing. Highlights of the discussion include:

- KC-46 Hangar Vapor Intrusion Sampling: The regulatory agency representatives agreed that the KC-46 hangar does not have to be sampled for VI prior to occupation, but that post-construction sampling to verify adequacy of the vapor mitigation system must be performed. The EPA stated that in order to provide review and concurrence of sampling results, the agencies must first review and concur with the vapor intrusion sampling work plan. During the meeting, it could not be determined whether the Air Force and agencies had previously agreed that a work plan

for the post-construction KC-46 Hangar vapor intrusion sampling would be prepared by the Air Force and reviewed by the regulatory agencies prior to sample collection activities.

C. PROGRAM ISSUES/UPDATE

None

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

Item #	Responsible	Action Item Description	Due Date	Status
1	Jill Dunphy	Ms. Dunphy to combine Action Items 1 and 4	31 March 2023	Closed
2 <i>(From Nov 2022; combined previous Action Items 1 and 4)</i>	Chet Storrs	Mr. Storrs 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.	17 May 2023	Open
3	Chet Storrs	Mr. Storrs to review the DSMOA process, and work with Leslie Royer/Jacobs regarding list of documents forthcoming for Water Board review that have not yet been entered into the Joint Execution Plan (JEP), and add them to the JEP.	17 May 2023	Open
4	Chet Storrs	Mr. Storrs to inquire about the planned occupation date for the new KC-36 hangar	17 May 2023	Open
5	Adriana Constantinescu	Ms. Constantinescu to check her records from 2018 regarding agreements between the Air Force and regulatory agencies on the scope of the planned VI sampling, and whether a sampling work plan had been included in the planned scope.	31 March 2023	Open
6	Chet Storrs	Mr. Storrs will discuss with AFLOA regarding boundaries of regulatory involvement in non-restoration activities as written in the FFA, groundwater ROD, and other documents	17 May 2023	Open
7	Mobashir Ahmad	Mr. Ahmad will resend the Draft Subarea LF007C Groundwater Extraction System Optimization Work Plan to the DTSC	31 March 2023	Closed
8	Chet Storrs	Mr. Storrs to send the UFP-QAPP RTCs to the EPA	31 March 2023	Open
9	Adriana Constantinescu	Ms. Constantinescu to check the status of the 2021 Annual Site LF001 CAMU IMM Report WB RTC review.	17 May 2023	Open

10	Leslie Royer	Ms. Royer to rename the “Remedial Action Report POCO Sites SS014 and ST032 Addendum” to remove closed site ST032 from the title.	17 May 2023	Open
11	Chet Storrs	Mr. Storrs will send out the AFCEC CIP template, which the Travis AFB CIP Update will follow, to the regulators.	31 March 2023	Open

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 at Travis AFB. Please see Attachment 7 for the full briefing.

C. PROGRAM ISSUES/UPDATE

None

D. ACTION ITEMS

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 Program/Issues/Update

Mr. Mallisee presented a diagram illustrating the current progress and upcoming activities as part of the data-driven process for the Phase 1 RI. The Oneida Team has completed the on-base field activities for Field Event #2. The current steps include analyzing and interpreting the data with further development of the conceptual site model and the environmental sequence stratigraphy. The Oneida Team is developing recommendations for Field Event #3, which will include lysimeter installation and sampling, groundwater sampling, as well as additional soil borings and monitoring well installations. The Oneida Team anticipates holding a meeting with stakeholders to discuss results and recommendations prior to issuing UFP-QAPP Addendum No. 2 for Field Event #3 (targeted Summer/Fall 2023). The process will be similar to that used for UFP-QAPP Addendum No. 1 prior to Field Event #2. .

Field Event #2: Groundwater-Surface Water Measurements February 2023

Groundwater-Surface Water Mr. Mallisee noted the Oneida Team completed groundwater gauging at 32 monitoring wells and 5 surface water measurements at 5 stream gauge locations in February 2023. Mr. Mallisee highlighted that this data will support development and assessment of fate and transport of PFAS constituents, and further our understanding of the interaction between Union Creek and groundwater.

Off-Base Well Locations

Mr. Mallisee presented a slide with the Oneida Team's progress in Field Event #2. The initial 65 locations have been drilled and completed on-base July-November 2022; 25 planned monitoring wells at 13 locations remain to be installed off-base that were planned as part of Field Event #2; off-base agreements and approvals are required to proceed with installation of the off-base monitoring wells, the target schedule for off-base installation is Spring 2023. Mr. Mallisee commented that the off-base locations are on Meridian Road, Creed Road, and Highway 12. Mr. Storrs commented that the encroachment permit is on the Wing Commander's desk and anticipates approval today (15 March 2023) for off-base monitoring well installation.

Next Steps

The Oneida Team is continuing data validation, analysis, and interpretation for CSM updates. Oneida is planning submittal of the data packet and recommendations for Field Event #3 to the Air Force and USACE on 17 March 2023. Field Event #3 is targeted for Summer/Fall 2023 after a stakeholder

meeting and submittal/approval of UFP-QAPP Addendum No. 2. All project data will be reported in the Phase 1 RI Report in 2024-2025.

Questions/Discussion

Mr. Storrs asked if any regulatory agencies will be available before the in-person RAB meeting on 20 April 2023. Ms. Burke responds that she might not have any personnel to attend the meeting. Ms. Burke asked about the nature of the meeting and Mr. Mallisee answered that the meeting primarily focus on data gaps from Field Event #2, and review recommendations for off-base monitoring well and soil boring installations for Field Event #3. Ms. Burke and Ms. Constantinescu responded that either 13:30 or 14:00 start will be a good time for them to make comments on the data before the RAB meeting. Ms. Burke and Ms. Constantinescu pointed out that there is a placeholder RPM meeting on 18 April at 10:00. Mr. Mallisee asked if the meeting on the 18th could be virtual. Ms. Constantinescu asked about the data package collected in 2022 and asked for paper maps and data to be sent to DTSC and the Water Board. Mr. Mallisee confirmed that the Oneida Team can send paper maps and data and reminded everyone that they can still access the information in an e-format if preferred. Ms. Burke asked if Rich Freitas (Senior Hydrologist) could be put on the email list to receive PFAS RI data and CSM material. Ms. Touchi asked Mr. Mallisee to confirm the times for 18 April and 20 April and asked for an email reminder/Teams invite with the dates and times.

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

Item #	Responsible	Action Item Description	Due Date	Status
10	Megan Duley/ Alysse Gutierrez	Ms. Duley or Ms. Gutierrez to send PFAS RI Meeting Minutes to Jacobs	22 March 2023	Closed
11	Megan Duley/Bob Mallisee	Schedule placeholder RPM meeting on 18 April at 10:00 (virtual or in-person) and/or in-person meeting on 20 April at 14:00. The agencies asked for a calendar placeholder for both meeting times to block out their schedules	22 March 2023	Open
12	Megan Duley/Bob Mallisee	Add Richard Freitas to the list of agency representatives receiving Field Event #2 data packet and recommendations for Field Event #3.	11 April 2023	Open
13	Megan Duley/Bob Mallisee	DTSC and Water Board requested a paper copy of the Field Event #3 data packet and recommendations for Field Event #3.	11 April 2023	Open

AGENDA
TRAVIS AIR FORCE BASE
ENVIRONMENTAL RESTORATION PROGRAM
RESTORATION PROGRAM MANAGER'S MEETING
15 March 2023

The RPM meeting is scheduled for 10:00 am PST. This is an in-person meeting with a MS Teams join option and well as a call-in option. If you participate via MS Teams, you will see the shared documents that will be viewable by all participants.

A. TRAVIS INSTALLATION SUPPORT SECTION

1. ADMINISTRATIVE
 - a. Introductions
 - b. Previous Meeting Minutes
 - c. Action Item Review
 - d. Master Meeting and Document Schedule Review
2. UPDATES
 - a. PFAS
 - b. Land Use Controls

B. JACOBS OPTIMIZED REMEDIAL CONTRACT (ORC)

1. ADMINISTRATIVE
2. PROGRAM UPDATE
 - a. Documents & Activities Completed, In Progress & Planned
 - b. Groundwater Treatment Plant Updates

C. ONIEDA PFAS REMEDIAL INVESTIGATION

1. ADMINISTRATIVE
2. PROGRAM UPDATE



Action Item Review



Item #	Responsible	Action Item Description	Due Date	Action Taken	Status
1 <i>From Nov 2022</i>	Mr. Storrs	Mr. Storrs to request (and provide, if available) documentation 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.	28 February 2023	8 Feb 2023, ERP contacted the ROICC/MILCON construction managers a second time following the email sent by Ms. Touchi on behalf of all three regulatory agencies. 10 Mar 20213, follow-up email sent. No information received at this time.	Open
2	Mr. Storrs; Ms. Duley	Mr. Storrs will send to Ms. Dunphy and Ms. Royer contact information for Jason Thompson/AFCEC, Vicky Wiraatmadja/EPA, and Monique Nixon/AFCEC. Ms. Duley will send contact information for Alysse Gutierrez/SRS and Kristen Carlyon Peyton/SRS.	31 January 2023	Action item completed as written on 18 January 2023.	Closed
3	Ms. Touchi	Ms. Touchi, as delegated by Ms. Burke, will send email to Air Force requesting desired information related to the MILCON excavation at the KC46 Hangar Site	31 January 2023	Travis AFB received this request on 18 January 2023.	Closed
4	Mr. Storrs/Mr. Potter	Mr. Potter will request daily field logs from KC-46 Hangar Construction Contractor related to contaminated soil removal.	31 January 2023	8 Feb 2023, ERP contacted the ROICC/MILCON construction managers a second time following the email sent by Ms. Touchi on behalf of all three regulatory agencies. 10 Mar 20213, follow-up email sent. No information received at this time.	Open



Action Item Review (cont'd)



Item #	Responsible	Action Item Description	Due Date	Action Taken	Status
5	Ms. Royer	Ms. Royer will send Nov. 2022 RPM Meeting Minutes to Ms. Wiraatmadja, specifically for background on the Site LF007C Groundwater Remedy Optimization presentation	31 Jan 2023	Action item completed as written on 19 January 2023.	Closed
6	Ms. Constantinescu	Ms. Constantinescu will contact Mr. Jason Thompson to develop a schedule for Site ST028 field work due to concern for impact to stormwater conveyances.	31 January 2023	Ms. Constantinescu contacted Mr. Thompson on 1 February 2023, who confirmed a schedule similar to that in the work plan.	Closed
7	Ms. Royer	Ms. Royer will remove the Potrero Hills schedule from the Master Meeting and Document Schedule	15 March 2023	Action item completed as written on 14 March 2023.	Closed
8	Mr. Storrs, Mr. Potter, Ms. Royer	Mr. Storrs will review EPA comments on the LUC Inspection Report with Mr. Potter and Ms. Royer, and incorporate into the next report as appropriate	28 February 2023	Mr. Storrs reviewed the EPA comments and will work with Ms. Royer to incorporate them as appropriate into the next LUC Inspection Report. An email was sent notifying EPA on 1 Feb 2023.	Closed
9	Ms. Royer	Ms. Royer will add the Five Year Review to the Master Meeting and Document Schedule and will include the contractor in future RPM meeting invitations	15 March 2023	Action item completed as written on 14 March 2023.	Closed



Action Item Review (cont'd)



Item #	Responsible	Action Item Description	Due Date	Action Taken	Status
10	Mr. Storrs	Mr. Storrs will provide the final PFAS SI to all agencies, and appropriate well testing data to DTSC and the Water Board	31 January 2023	The requested data were sent on 23 January 2023.	Closed
11	Ms. Duley, Ms. Gutierrez	Ms. Duley or Ms. Gutierrez to send PFAS RI Meeting Minutes to Jill Dunphy/Jacobs	25 January 2023	Minutes were sent to Jill/Jacobs on 20 January 2023.	Closed

Travis Environmental Restoration Program 2023 RPM & RAB Meeting Schedule

Current as of 15 March 2023

Month	RPM Meeting	Location	Place Holder	RAB Meeting
JAN	18 (Wed) 10 am See Note 2	Travis ISS See Note 3	See Note 4	
FEB			15 (Wed) 10 am	
MAR	15 (Wed) 10 am	Travis ISS		
APR		TBD See Note 5	18 (Tue) 10 am See Note 6	20 (Thu) 7 pm See Note 7
MAY	17 (Wed) 10 am	Travis ISS		
JUN			21 (Wed) 10 am	
JUL		TBD	19 (Wed) 10 am See Note 8	
AUG	16 (Wed) 10 am	Travis ISS		
SEP			20 (Wed) 10 am	
OCT			18 (Wed) 10 am	
NOV	15 (Wed) 10 am	Travis ISS		
DEC				

NOTES:

1. Grey box indicates nothing is scheduled.
2. All times are Pacific Standard Time (PST). All RPM meetings are scheduled for in-person with MS Teams invite option.
3. Travis ISS: Travis Installation Support Section; Building 248, 550 Hickam Avenue, Travis AFB.
4. "Place Holder" indicates to mark your schedules for a meeting as needed. Place holders are in months in which RPM meetings are not held. RPM keeps master list of requested topics and provides meeting management for efficiency.
5. Location of Place Holder meeting will be decided based upon place holder subject and preference of regulatory agencies, preferably 30 days in advance for planning purposes.
6. Pre-RAB Meeting discussion / overview of presentation materials. Purpose is to allow government and regulators a rehearsal and checkin to provide a professional impression to the Public. Slides will be final on 12 Apr, no substantive changes to presentation content will occur after 12 Apr.
7. Northern Solano County Association of Realtors; 3690 Hilborn Road Fairfield, CA 94534.
8. 5-yr Review RTC meeting.

Travis AFB Master Meeting and Document Schedule

PRIMARY DOCUMENTS (ORC)		
Life Cycle	UFP-QAPP Travis AFB, Mobashir N. Ahmad FPM, Chris Coonfare	Community Involvement Plan Update Travis AFB,TBD Jacobs, Jill Dunphy
Scoping Meeting	NA	NA
Predraft to AF/Service Center	01-06-22	08-23-16
AF/Service Center Comments Due	02-07-22	09-07-16
Draft to Agencies	05-31-22	09-28-16 (03-22-18)
Agency Comments Due	09-09-22	10-28-16 (04-27-18)
Response to Comments Meeting	TBD	TBD
Agency Concurrence with Remedy	NA	NA
Public Comment Period	NA	NA
Public Meeting	NA	NA
Response to Comments Due	01-11-23	TBD
Draft Final Due	01-11-23	TBD
Final Due	03-22-23	TBD

Travis AFB Master Meeting and Document Schedule

SECONDARY DOCUMENTS (ORC)			
Life Cycle	Subarea LF007C Groundwater Extraction System Optimization Work Plan Travis AFB, Mobashir N. Ahmad Jacobs, Doug Berwick	Sites SS015, SD036, SD037, and DP039 Groundwater Remedy Optimization Work Plan Travis AFB, Mobashir N. Ahmad Jacobs, Tony Chakurian	Site SD031 Data Gaps Investigation Technical Memorandum Travis AFB, Mobashir N. Ahmad Jacobs, Leslie Royer
Scoping Meeting	NA	NA	NA
Predraft to AF/Service Center	09-30-22	11-14-22	01-11-23
AF/Service Center Comments Due	10-31-22	12-15-22	02-13-23
Draft to Agencies	01-27-23	02-16-23	03-16-23
Agency Comments Due	02-27-23	03-17-23	04-17-23
Response to Comments Meeting	TBD	TBD	TBD
Response to Comments Due	03-27-23	04-17-23	05-17-23
Draft Final Due	NA	NA	NA
Final Due	03-27-23	04-17-23	05-17-23
Public Comment Period	NA	NA	NA
Public Meeting	NA	NA	NA

Travis AFB Master Meeting and Document Schedule

PRIMARY POCO DOCUMENTS (ORC)			
Life Cycle	Remedial Action Report POCO Sites SS014 and ST032 Addendum Travis AFB, Mobashir N. Ahmad Jacobs, Jill Dunphy		
Scoping Meeting	2/27/2023		
Predraft to AF/Service Center	05/26/2023		
AF/Service Center Comments Due	06/29/2023		
Draft to Agencies	07/31/2023		
Agency Comments Due	09/25/2023		
Response to Comments Meeting	TBD		
Response to Comments Due	10/23/2023		
Draft Final Due	10/23/2023		
Final Due	11/23/2023		
Public Comment Period	NA		
Public Meeting	NA		

Travis AFB Master Meeting and Document Schedule

SECONDARY POCO DOCUMENTS (ORC)			
Life Cycle	POCO Site ST028 Data Gap Investigation Work Plan Travis AFB, Jason Thompson Jacobs, Tony Chakurian		
Scoping Meeting	NA		
Predraft to AF/Service Center	01/24/2023		
AF/Service Center Comments Due	02/24/2023		
Draft to Agencies	03/21/2023		
Agency Comments Due	04/18/2023		
Response to Comments Meeting	TBD		
Response to Comments Due	05/16/2023		
Draft Final Due	NA		
Final Due	05/16/2023		
Public Comment Period	NA		
Public Meeting	NA		

Travis AFB Master Meeting and Document Schedule

INFORMATIONAL DOCUMENTS (ORC)			
Life Cycle	2021 Annual Groundwater Remediation Implementation Status Report Travis AFB, Mobashir N. Ahmad Jacobs, Leslie Royer	2021 Annual Site LF007 CAMU Inspection, Monitoring, and Maintenance Report Travis AFB, Mobashir N. Ahmad Jacobs, Dan Chern	Remedial Action Construction Completion Report Site SS016 Travis AFB, Mobashir N. Ahmad Jacobs, Doug Berwick
Scoping Meeting	NA	NA	NA
Predraft to AF/Service Center	05-06-22	06-07-22	11-30-22
AF/Service Center Comments Due	06-06-22	07-06-22	12-29-22
Draft to Agencies	07-19-22	09-20-22	03-31-23
Agency Comments Due	09-30-22	10-20-22	04-28-23
Response to Comments Meeting	TBD	TBD	TBD
Response to Comments Due	03-17-23	03-16-23	05-26-23
Draft Final Due	NA	NA	NA
Final Due	03-17-23	03-16-23	05-26-23
Public Comment Period	NA	NA	NA
Public Meeting	NA	NA	NA

Travis AFB Master Meeting and Document Schedule

PRIMARY DOCUMENTS (PFAS RI)	
Life Cycle	UFP-QAPP Addendum No. 2 Travis AFB, Chet Storrs Oneida, Megan Duley
Scoping Meeting	4-19-23 or 4-20-23 (target package to agencies 4-05-23)
Predraft to AF/Service Center	NA-incl w/ scoping
AF/Service Center Comments Due	NA-incl w/ scoping
Draft to Agencies	05-03-23
Agency Comments Due	06-02-23
Response to Comments Meeting	06-20-23 (target pre-RTC and pre-RSLO 06-14-23)
Agency Concurrence with Remedy	NA
Public Comment Period	NA
Public Meeting	NA
Response to Comments Due	06-26-23
Draft Final Due – as RLSO w/ RTC	06-26-23
Agency Concurrence	07-07-23
Final Due	07-14-23

Travis AFB Master Meeting and Document Schedule

PRIMARY DOCUMENTS (5 Year Review)	
Life Cycle	5 Year Review Travis AFB, Chet Storrs Bayside Environmental, TBD
Scoping Meeting	TBD
Predraft to AF/Service Center	04-21-23
AF/Service Center Comments Due	5-8-23
Draft to Agencies	6-5-23
Agency Comments Due	7-6-23
Response to Comments Meeting	TBD
Agency Concurrence with Remedy	NA
Public Comment Period	NA
Public Meeting	NA
Response to Comments Due	7-17-23
Draft Final Due	8-22-23
Final Due	9-27-23

Travis AFB Master Meeting and Document Schedule

HISTORY-PRIMARY DOCUMENTS (ORC)	
Life Cycle	Site SD031 Data Gaps Investigation Work Plan Travis AFB, Mobashir N. Ahmad Jacobs, Levi Pratt
Scoping Meeting	NA
Predraft to AF/Service Center	01-20-21
AF/Service Center Comments Due	02-22-22
Draft to Agencies	04-14-22
Agency Comments Due	06-13-22
Response to Comments Meeting	07-20-22
Agency Concurrence with Remedy	NA
Public Comment Period	NA
Public Meeting	NA
Response to Comments Due	06-29-22
Draft Final Due	06-29-22
Final Due	08-18-22

Other Travis AFB Restoration Documents Provided to the Agencies

Other Travis Restoration Documents	
Document	Status
Final 2021 Annual Land Use Controls Inspection Report	Courtesy copy delivered to agencies on 11/3/2022



PFAS Updates

14 Mar 2023

- EPA announced the proposed National Primary Drinking Water Regulation (NPDWR) for
 - Perfluorooctanoic acid (PFOA)
 - Perfluorooctane sulfonic acid (PFOS)
 - Perfluorononanoic acid (PFNA)
 - Perfluorobutane sulfonic acid (PFBS)
 - Perfluorohexane sulfonic acid (PFHxS)
 - Hexafluoropropylene oxide dimer acid (HFPO-DA, GenX Chemicals)
- The proposed PFAS NPDWR does not require any actions until it is finalized
- Proposed MCL: PFOA & PFOS 4 ppt
- PFNA, PFHxS, PFBS, Gen X: PFAS mixture Hazard Index 1



PFAS Updates Cont.



"DoD respects and values the public comment process on this proposed nationwide drinking water rule and looks forward to the clarity that a final regulatory drinking water standard for PFAS will provide.

In anticipation of the final standard that EPA expects to publish by the end of 2023, the Department is assessing what actions DoD can take to be prepared to incorporate EPA's final regulatory standard into our current cleanup process, such as reviewing our existing data and conducting additional sampling where necessary.

In addition, DoD will incorporate nationwide PFAS cleanup guidance, issued by EPA and applicable to all owners and operators under the federal cleanup law, as to when to provide alternate water when PFAS are present."



PFAS Updates Cont.



Site Inspection Addendum

- 23 Jan 2023 Off-base sampling data (sans all PII) submitted to State agencies.
- 2 Feb 2023 Final Air Force response to additional EPA comments sent via email. No changes were made to Final SI Addendum Report.

EPA Letter dated 18 Jan 2023

- 1 Feb 2022 Air Force initial response to EPA letter indicating 45-day additional response time EPA 30-day requested suspense.
- Air Force response to EPA letter on-going.

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

- 10 Feb 2023 kick-off conducted
- Interviews underway

Enterprise-Wide Due Diligence Survey for Non-Aqueous Film-Forming Foam (PFAS) Sources At 128 Air Force Installations

Travis AFB, CA



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What are we looking for?



- ▼ Potential release of PFAS deriving from past and present sources other than aqueous film-forming foam (AFFF). Initially looking at different potential source areas, somewhat interrelated, as described in Appendix C of the Work Plan:

▼

Wastewater Treatment Plants/Biosolids	Painting Stations
Landfills and Snowpack	Herbicides/Pesticides/Insecticide Use/Storage
Oil/Water Separators	Fogger Trucks
Sanitary/Storm Water Runoff	Textile Plants/Storage/Parachutes/Safety Wear
Carwashes	Photolithography, Semiconductor Industry
Non-AFFF Foam Fire Suppression	Automotive/Hobby Shops/Motor Pool
Warehouses	Medical Clinics/Facilities
Landscaping Sheds	Marinas/Docks
Cleaning Supply Storage	Underground Wiring
Metal Finishing	Radar Domes



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What are we looking for? (cont.)



- ▼ Historical records and base personnel to interview to determine whether PFAS sources exist at the installation potentially related to the various areas/processes denoted on the previous slide.
- ▼ Sources of Information:
 - Historical or operational records
 - Incident/spill reports and/or spill logs
 - Historical aerial photographs
 - Material/chemical inventories or base supply/HAZMAT storage records
 - Base Comprehensive Plans
 - Permits
 - Documentation of releases
 - Installation GIS layers for buildings, utilities (sanitary/storm sewer systems, WWTPs, storm water basins), on-base wetlands, on-base water supply wells, monitoring well networks



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What is the process? (cont.)



▼ The Preliminary Assessment Process:

- Collects available information
- Provides analysis of existing information
- Culminates in a brief report with formal recommendations:
 - No further action required
 - Advance to Site Assessment Phase
- Consists of:
 - Initial installation contact/kickoff
 - Research
 - Interviews
 - Site analysis
 - PA Report



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Potential Interviewees



▼ Parsons needs contact information (name, title, email, phone number) of the following relevant base personnel for potential interviews:

- Environmental personnel to address WWTPs/biosolids, landfills, O/W separators, sanitary sewers/storm water, snowpack
- Fire department personnel to address other foam fire suppression
- Base Supply and maintenance personnel to address materials storage, landscaping sheds, cleaning supply storage, herbicides/pesticides/ insecticides, fogger trucks
- Equipment maintenance personnel to address metal finishing processes, corrosion control, textile treatment, parachute shops, safety wear maintenance, photolithography, specific motor pool, auto/hobby shop and marina/dock managers, radar domes, carwashes
- Medical clinic personnel to address medical clinics (x-rays)
- Infrastructure personnel to address underground wiring
- Other relevant base personnel identified by RPM



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Land Use Control Updates



SS016-KC-46 Hangar Project

- Indoor air sampling: Regulatory approved indoor air sampling
 - *work plans and sampling cost analysis was provided to
 - **ROICC for scope of work and contract development.
- Follow-up email sent 9 Mar 2023

*Final Initial Passive Vent Systems Sampling Work Plan

*Final Addendum to the Initial Passive Vent Systems Sampling Work Plan

**ROICC: Resident Office In Charge of Construction



Land Use Control Updates, cont.



21R/03L Runway Repairs

SS016/SS029/ST032 -ERP plume and GW monitoring well figures provided to construction managers.

-Concrete demo **work delayed until May/June.**

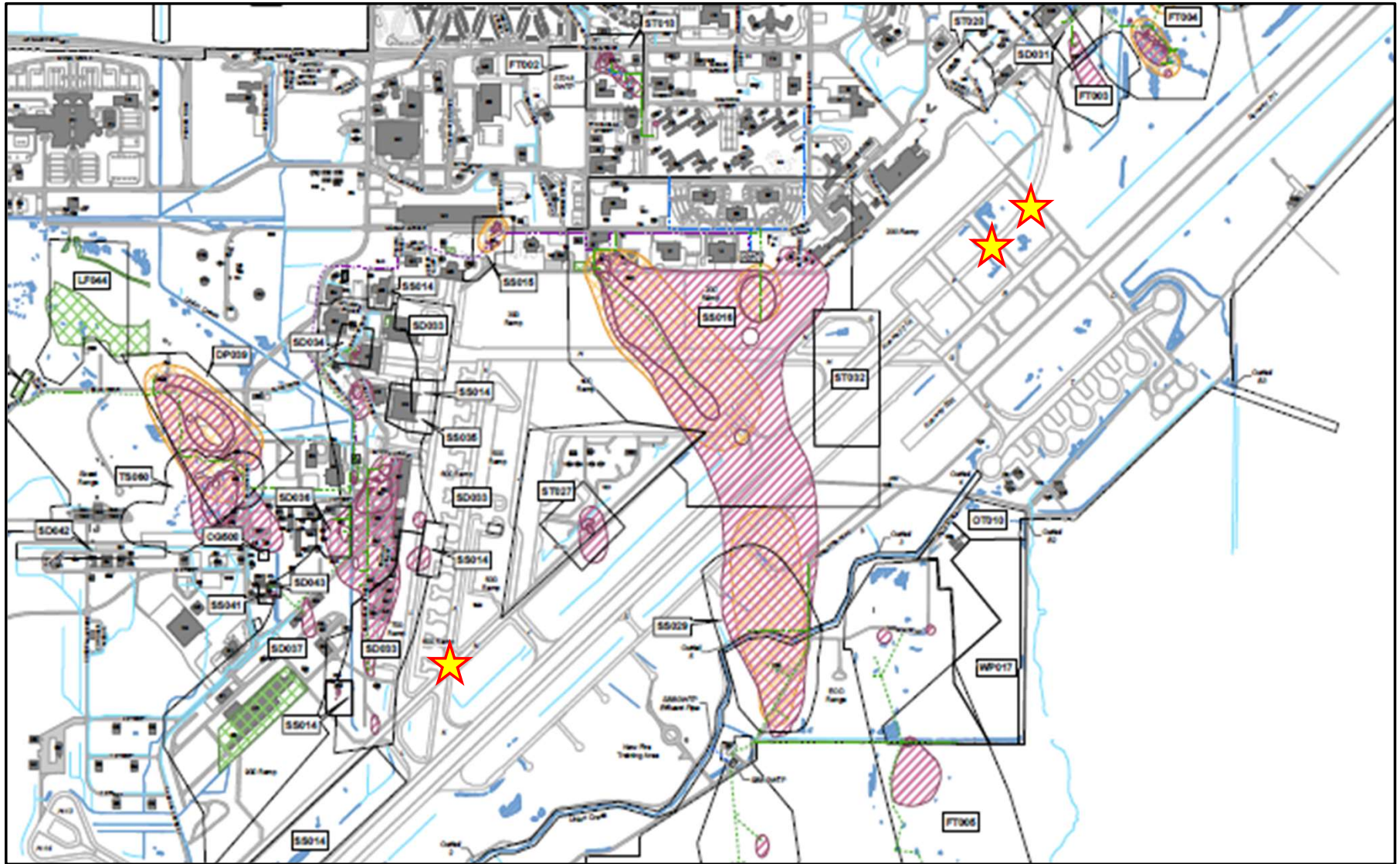
Removal of taxiway K tie-in with taxiway N.

Repair of taxiway E and taxiway D for subsequent phases.

-No construction activities occurring over GW plumes.



Land Use Control Updates, cont.



★ Location of demo work

Air Force Civil Engineer Center



ORC Program Update
RPM Meeting
March 15, 2023



Finalized Documents

CERCLA

- Site SD031 Data Gaps Investigation WP

POCO

none



Draft Documents

CERCLA

- UFP-QAPP
- 2021 Annual GRISR
- 2021 Annual Site LF007 CAMU IMM Report
- Subarea LF007C Groundwater Extraction System Optimization WP
- Sites SS015, SD036, SD037, and DP039 Groundwater Remedy Optimization WP

POCO

none



Upcoming Documents

CERCLA

- Site SD031 DGI TM March

POCO

- POCO Site ST028 Data Gap Investigation Work Plan March
- Remedial Action Report POCO Sites SS014 and ST032 Addendum July



Completed Fieldwork



- 4Q21 GRIP Event
- 2Q22 GRIP Event
- Site SD031 Data Gaps Investigation
- 4Q22 GRIP Event



Upcoming Fieldwork

CERCLA

- | | |
|---|-----------|
| • 2Q23 GRIP | April-May |
| • Sites SS015, SD036, SD037, and DP039 Optimization | June-July |
| • Site LF007C Optimization | July-Aug |

POCO

- | | |
|-----------------------|----------|
| • POCO Site ST028 DGI | June-Oct |
|-----------------------|----------|

Air Force Civil Engineer Center



Groundwater Treatment
Systems Updates January and
February 2023

Battle Ready...Built Right!



LF007C GWTP



- The system was taken off line on January 3, 2023 after vernal pools had formed in the area of the LF007C GWTP extraction wells. The system remained off line through February and will be brought back on line after the vernal pools have dissipated.



ST018 GWTP



- The system experienced 100% uptime in January and February 2023.
- MTBE influent concentrations remained relatively consistent in January (17 µg/L) and February (21 µg/L) 2023. These concentrations have been consistent since late summer 2022.
- The system continues to run with only two extraction wells (EW2016x18, EW2333x18) online. Two extraction wells (EW2014x18, EW2019x18) were previously taken offline due to low MTBE concentrations.



Central GWTP

- System experienced 79% uptime in January and 72% in February 2023.
- The CGWTP SCADA system was upgraded during the week of January 30, 2023. The system was taken off line beginning January 30 and brought back on line February 6, 2023 following completion of the upgrade.
- The communication wiring between the EW003Ax16, EW605x16, and EW610x16 control panel and the Central Plant was reestablished in February 2023. This communication wiring will allow these extraction wells to operate correctly.
- Extraction wells EW605x16 and EW610x16 were offline in January and February 2023, but both pumps have been reinstalled in the wells. Both pumps are expected to be brought back on line in March 2023.
- The pump for EW003Ax16 will be installed in the well in March 2023. The solar panel that provides power to the pump is expected to be installed in March 2023.



SBBGWTP



- The SBBGWTP had at 94% uptime in January and 100% in February 2023.
- The downtime in January was due to heavy rains and flooding in the treatment plant compound.
- Several extraction well pumps have remained off line since January 2023. Flooding in the extraction wellfield (Sites FT005 and SS030) led to instrumentation failure. Replacement communication wiring will be installed in March 2023 to bring several of the Site FT005 pumps back on line.
- New pump motors have been on order since October 2022 and are expected to arrive in March 2023. These pumps will be installed once received, and this will allow for additional Site FT005 and SS030 wells to be brought back on line.

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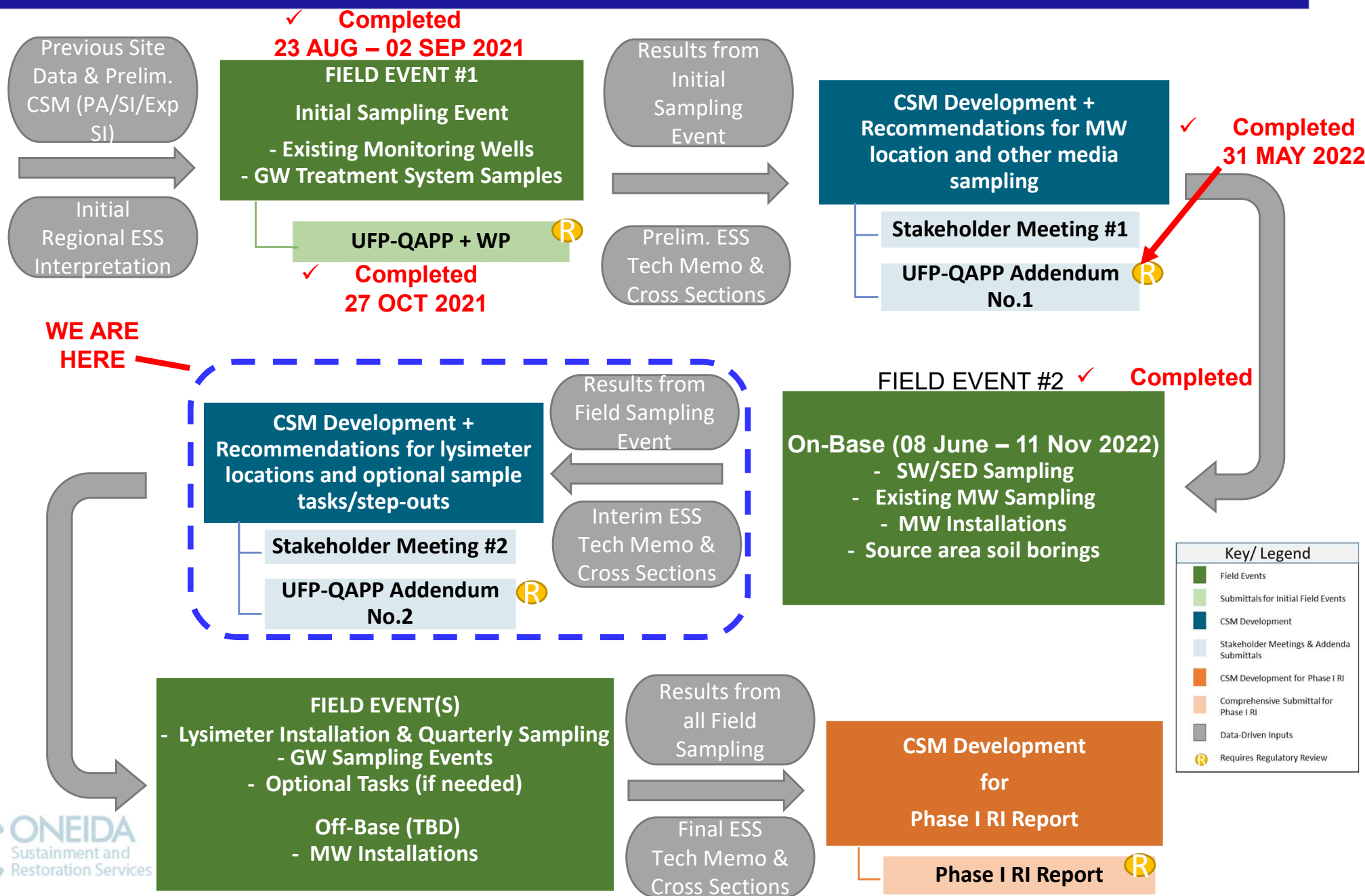
Travis Air Force Base Phase I Remedial Investigation of AFFF Areas

Presented by
Bob Mallisee, PG

15 March 2023



Phase I Remedial Investigation Data-Driven Process





Field Event #2

Surface Water Measurements

- **Groundwater-Surface Water Measurements**
 - 5 surface water measurements along Union Creek and 32 nearby monitoring well water levels are measured to observe groundwater/ surface water elevations.
 - This data will support development and assessment of fate and transport of PFAS constituents.



Observed vernal pool during surface water-monitoring well measurements in February 2023



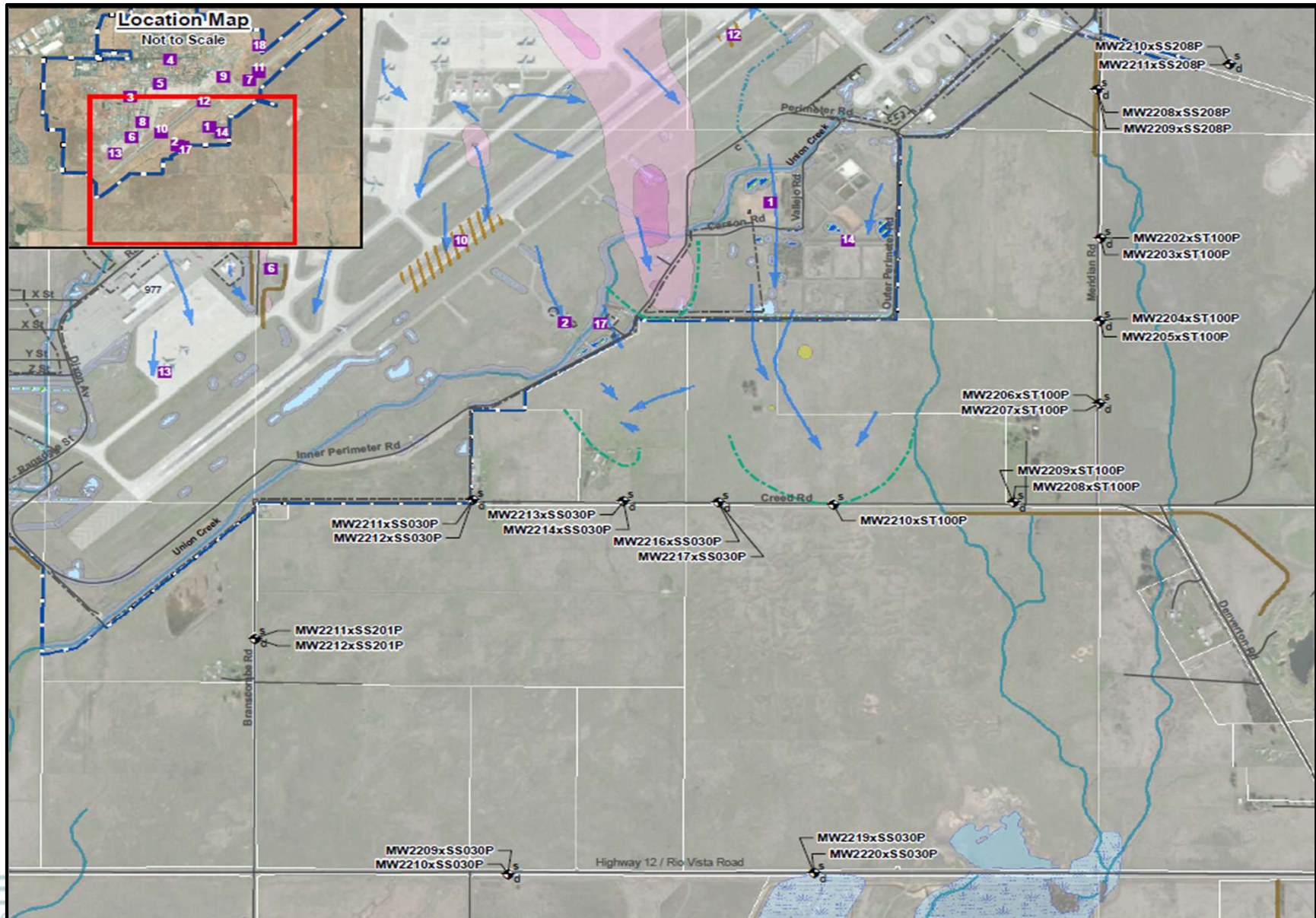
Field Event #2

Monitoring Well Installation



- **Groundwater monitoring well installation**
 - Initial 65 locations completed drilled on-Base July-November 2022
 - 25 planned monitoring wells at 13 locations remain to be installed off-Base that were planned as part of Field Event #2. Off-Base access agreements and approvals are required to proceed with installation of the off-Base monitoring wells.
 - Target schedule for off-Base installation is Spring 2023.

Off-base Well Locations





Next Steps

- Receipt and validation of laboratory analytical data packages – **FEB/MAR 2023**
- Further CSM development with results from Field Event #2 – **FEB/MAR 2023 (currently ongoing)**
- Develop Recommendations for Field Event #3 – **FEB/MAR 2023 (currently ongoing)**
- Preliminary Meeting with Agencies – **APR 2023**
- UFP-QAPP Addendum No. 2 – **APR/MAY 2023**
- Field Event #3 – **SUMMER/FALL 2023**
 - Lysimeter installation & quarterly sampling
 - Groundwater sampling event of proposed existing and newly installed MWs
 - Planned and optional MW installations and/or soil borings



Questions?