

**Mather Restoration Advisory Board (RAB) Meeting
Draft Summary Meeting Minutes
10 November 2010**

Time: 6:00 PM

Place: Days Inn, Mather Room
3240 Mather Field Road
Rancho Cordova, CA 95670

RAB Members

Name	Affiliation
Doug Fortun	AFRPA Remedial Project Manager, Co-Chair
Sandra Lunceford	RAB Community Co-Chair
Robert McGarvey	RAB Member
Arne Sampe	RAB Member

Other Attendees Present

Name	Affiliation
Linda Geissinger	AFRPA Public Affairs Officer
Bill Hughes	ASE (AFRPA Contractor)
Scott Johnston	AFRPA Contractor
Mike Kelly	AFRPA
John Lucey	U.S. EPA Remedial Project Manager
Conny Mitterhofer	Regional Water Quality Control Board, Central Valley
Bob O'Brien	Air Force Center for Engineering and the Environment (AFCEE)
Paul Bernheisel	AFCEE
Connie Mitterhofer	Central Valley Water Board
Stanley Pehl	Air Force Center for Engineering and the Environment (AFCEE)
Nathan Schumacher	Public Participation Specialist for Department of Toxic Substances Control (DTSC)

1. WELCOME

Mr. Fortun welcomed everyone to the meeting. Attendees introduced themselves. A sign-in sheet was circulated (Attachment 1). The meeting agenda was distributed (Attachment 2).

2. APPROVAL OF MINUTES

Both January 2010 and June 2010 minutes were approved.

3. UPDATE ON REGULAR AGENDA ITEMS

Mr. Hughes provided a briefing using presentation slides (Attachement 3). Only information not presented in these slides is described here.

Ms. Lunceford asked what would happen if anything new is found that is outside of the scope of the new performance-based contract for the cleanup work. Mr. Hughes said the Air Force would be required to do the work, and would likely have one of two options to choose from 1) modifying the scope of work for this contract, or 2) create a new contract for that work. Mr. Hughes added this contract, through competition, cut the cost for the work nearly in half.

Ms. Lunceford said she heard the drinking water standard for TCE was going to be lower, and asked Ms. Mitterhofer how this would affect the cleanup at Mather since this new standard is lower than the current required cleanup level (MCL – Maximum Contaminant Level). Ms. Mitterhofer said that she is unaware of an imminent change [to the MCL] coming, but if this would occur the 5 Year Review would address that. Mr. Hughes explained any change that affected health-risk estimates could require a reassessment of cleanup levels, and this would typically be done during the five-year review, but the project managers could choose to address this between five-year reviews if they thought it an urgent need. Ms. Lunceford asked if required cleanup levels being lowered would occur, how would that affect the cleanup contract. Mr. Hughes said the likely scenario would be to modify the contract if needed. He explained that having lower cleanup levels involves deciding when to stop the cleanup, so it modifying the contract, in that scenario, may not be terribly urgent unless the original cleanup level was expected to be reached during that contract period.

Ms. Lunceford asked if any of the monitoring wells or production wells in the Rosemont area have seen any detections of contaminants. Mr. Hughes said there have been no detections at or above the action levels. Ms. Lunceford said she is concerned about this area and wants to make sure the Air Force keeps an eye on this area and stay committed to ensuring this area is protected, especially with discussion of closing the RAB and transferring property.

4. RAB OUTREACH

Ms. Geissinger recapped the discussion from the January 2010 RAB Meeting, that there would be additional outreach efforts to be conducted prior to adjournment, such as website update (so more information will be available) and presentations to local community groups (such as the City council and Cordova Community Council) Ms. Geissinger also pointed out that the EPA website has significant information about the cleanup of Mather. This may not be completely up to date, but is a good resource as well.

Regarding RAB adjournment, Ms. Geissinger said that it is very important to the Air Force to ensure the key members of the community are familiar with the adjournment process and aware of other means of information available about the ongoing environmental cleanup at Mather .

Mr. McGarvey requested one of the 2011 RAB meetings be held at City Hall to help inform other members of the community. This would be a way to get a wider audience for the RAB, and provide people who may not be aware of the cleanup an opportunity to ask questions and learn. Ms. Lunceford requested posters explaining the key components of cleanup.

Mr. McGarvey suggested doing things such as purchasing ad space in the Grapevine once a month to educate the community about Mather, prior to the public comment period about a proposed RAB adjournment. Mr. Schumacher pointed out there's a possibility of going to the Cordova Council to reach the neighborhood groups, PTA groups and the "Independence at Mather" housing community. He also said it is important to do several meetings and events to heighten the community's interest prior to deciding to adjourn or not.

Ms. Lunceford said she has been waiting to hear what the Air Force has done since the January RAB when RAB adjournment was first discussed. Ms. Geissinger said that the Air Force had set up three meetings to discuss the website with RAB participants and each were cancelled (not by the Air Force) and there was only one RAB member at the June meeting, which Ms. Lunceford pointed out was an election night.

Ms. Lunceford said that she does have a feeling that it may be time to consider adjourning the RAB, but wants to see the effort on the Air Force's behalf to reach out to the community to show them what is going on and provide assurance that the community won't be left behind. Ms. Geissinger said that is exactly the process that the Air Force has followed with other RAB adjournments.

Ms. Geissinger stated she will put together an action plan that lays out the steps the Air Force will take to reach out to the community and build up the website. Ms. Lunceford wants to be part of the collaboration process in creating the materials that will go out to the public, in addition to the regular RAB meetings.

Ms. Mitterhofer supported the idea of the Air Force creating an action plan that includes some of the outreach ideas suggested, but with some boundaries including a schedule and timeline, and the team can agree on what is reasonable.

Mr. Sampe's concern is what happens after the RAB, especially with groundwater cleanup taking many years, and who enforces things with regard to the Air Force's work. Ms. Geissinger explained that the State and EPA have enforcement authority, and during the out-years of cleanup, the 5 Year Review remains in place to receive input from key stakeholders, such as people familiar with the cleanup like Arne and other RAB members.

Ms. Lunceford expressed concern about the current website. She was under the impression that the Administrative Record site was the Air Force's umbrella website for Mather information.

She said that with the user warning upon entrance and the functionality, this is not the type of website people will want to visit.

Mr. Lucey said the EPA attempts to keep their website updated, but it is normally not completely updated. He said the idea of the Air Force improving the AFRPA Mather website with contact information and links to the other agencies is a good idea moving forward.

Mr. Schumacher said while it is a good idea to link to other agencies, most of the DTSC information is simply documents.

Ms. Geissinger pointed out that through many community interviews and discussions, people consistently tell her that items sent directly via regular mail, including full-color newsletters with good graphics, are rarely read closely. However, almost all people have remembered receiving them and that they contain names and faces of the people “on the job”. This gives them a sense of security that there is someone to contact if they have a question.

Ms. Lunceford expressed concern of the way the Mather AFRPA website is set up and the url for it. Ms. Geissinger explained there are constraints for the website since it must comply with the Air Force regulations for official public websites. However, even as a subpage under the main AFRPA public page, the Mather website can be improved with lots of new, relevant content.

The group discussed ideas of other content that should be included on the website. These include: contact information, plume maps, email address, site listings, site maps, calendar of key dates/documents, regulatory agency member contacts, introductory overview text, facts and figures (acreage transferred, acres remaining), RAB “tab” with RAB information.

Ms. Geissinger will provide to the RAB no later than January 14 a screen shot of the updated web site for RAB member’s review and input. She will also send out the aforementioned Action Plan.

5. TOPICS FOR FUTURE RAB MEETING

No new topics were discussed.

6. FUTURE MEETING DATES

The group agreed on February 9 for the next RAB Meeting.

7. PUBLIC COMMENTS

Mr. McGarvey pointed out that tomorrow is Veteran’s Day and reminded everyone how important that day is. He also let everyone know there is a Veteran’s Day celebration at

Veterans Memorial Plaza in front of the hospital. The keynote speaker is Maxwell Ramsey, a disabled veteran, with Congresspersons Matsui and Lungren participating.

8. ADJOURNMENT

Meeting was adjourned.



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10 November 2010

Mather Environmental Cleanup Update

For the Mather Restoration Advisory Board (RAB)



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Agenda Topics

- **Updates on cleanup program**
- **RAB outreach**
- **Key documents**
- **Regulatory update**
- **Action items**
- **Future topics**
- **Future meeting date(s)**
- **Opportunity for public comments**



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Updates on Cleanup Program

- **Field activities since last RAB meeting and upcoming activities**
- **Performance-based contract award**
- **Property transfer status update**
- **Groundwater monitoring and cleanup update**
- **Results of Small Mammal Survey**
- **MMRP update**
- **Five-Year Review**

Note: where information briefed in June is repeated, new information has been underlined



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Updates – Field Activities

- **Field activities since last RAB meeting**
 - **Completed 2nd and 3rd quarter 2010 monitoring of groundwater, soil vapor, and landfills, and initiated 4th quarter monitoring**
 - **Removed of carbon from wellhead treatment system at Moonbeam Drive well (mid-June)**
 - **Most field work has been under performance-based contract starting July 2010**
- **Upcoming field activities**
 - **MMRP clearance of XE-404 (OT-69) to be completed in 2011**



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Performance-based Remediation

The 5.5-year contract was awarded to URS effective July 2010. URS proposed the following actions, in order of Air Force priority:

- 1. Unrestricted site closure where possible: none;**
- 2. Closure with restrictions (i.e. institutional controls):**
 - Remaining SVE/biovent sites and 10402/10403 above-ground tank site;**
- 3. Optimization:**
 - Groundwater plumes and landfills, and;**
- 4. Status quo, which is the least desirable, but OK for:**
 - Sites previously closed with institutional controls**

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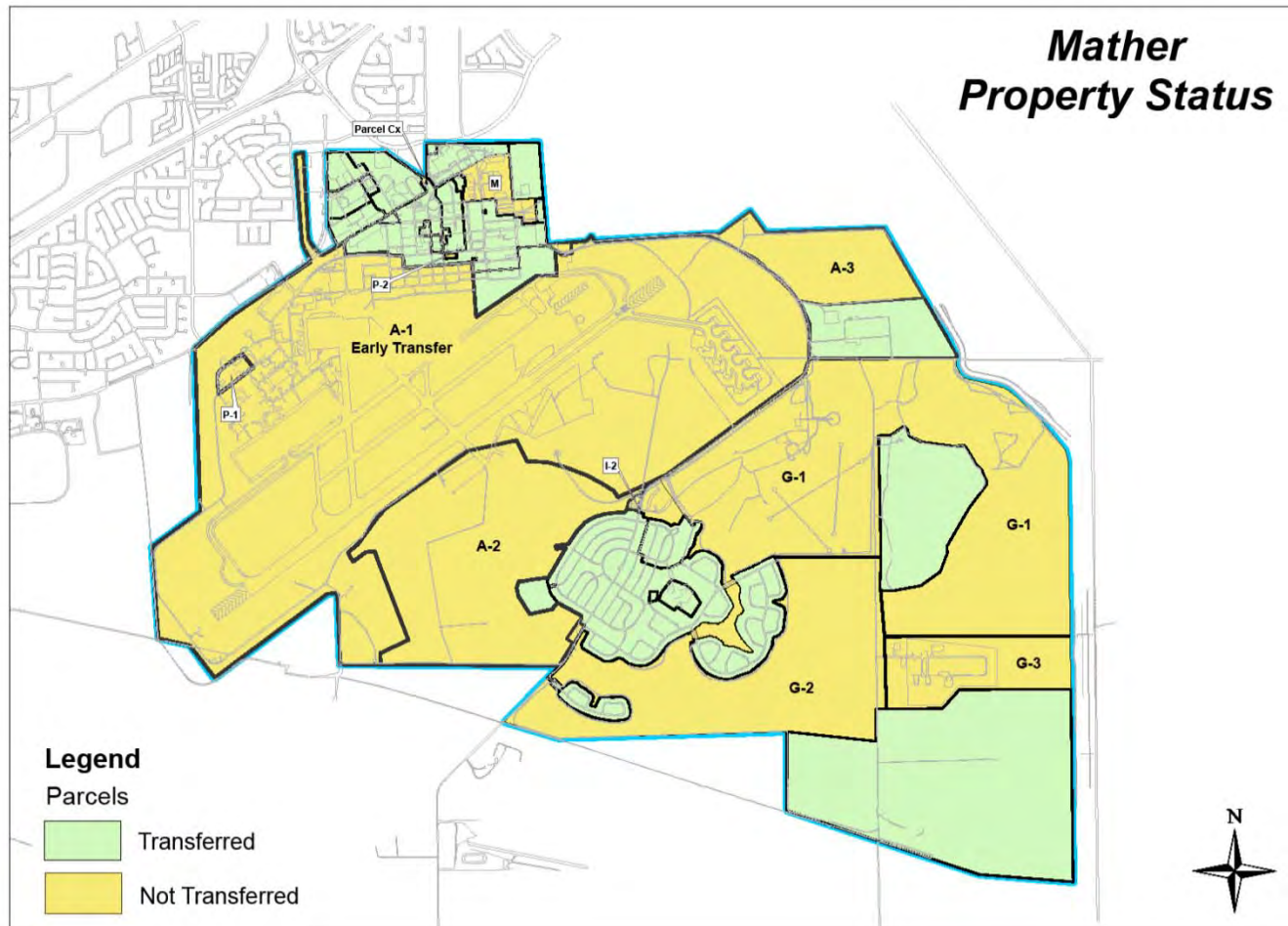
Updates – Property Transfer (no change since June RAB)

- **Property transfer status (no change from June)**
 - **AFRPA has prepared documentation to support transfer of parcels Cx (small parcel near front entrance); I-2 (chapel in housing area); and M (Mather community campus).**
 - **Findings of Suitability for Transfer (FOSTs) have been prepared for airport parcels A-2 and A-3.**
 - **AFRPA is preparing documentation to support transfer by deed of the other airport parcel (A-1) and the parks parcel G**



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Property Transfer – Parcel Map



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Update – Groundwater Cleanup

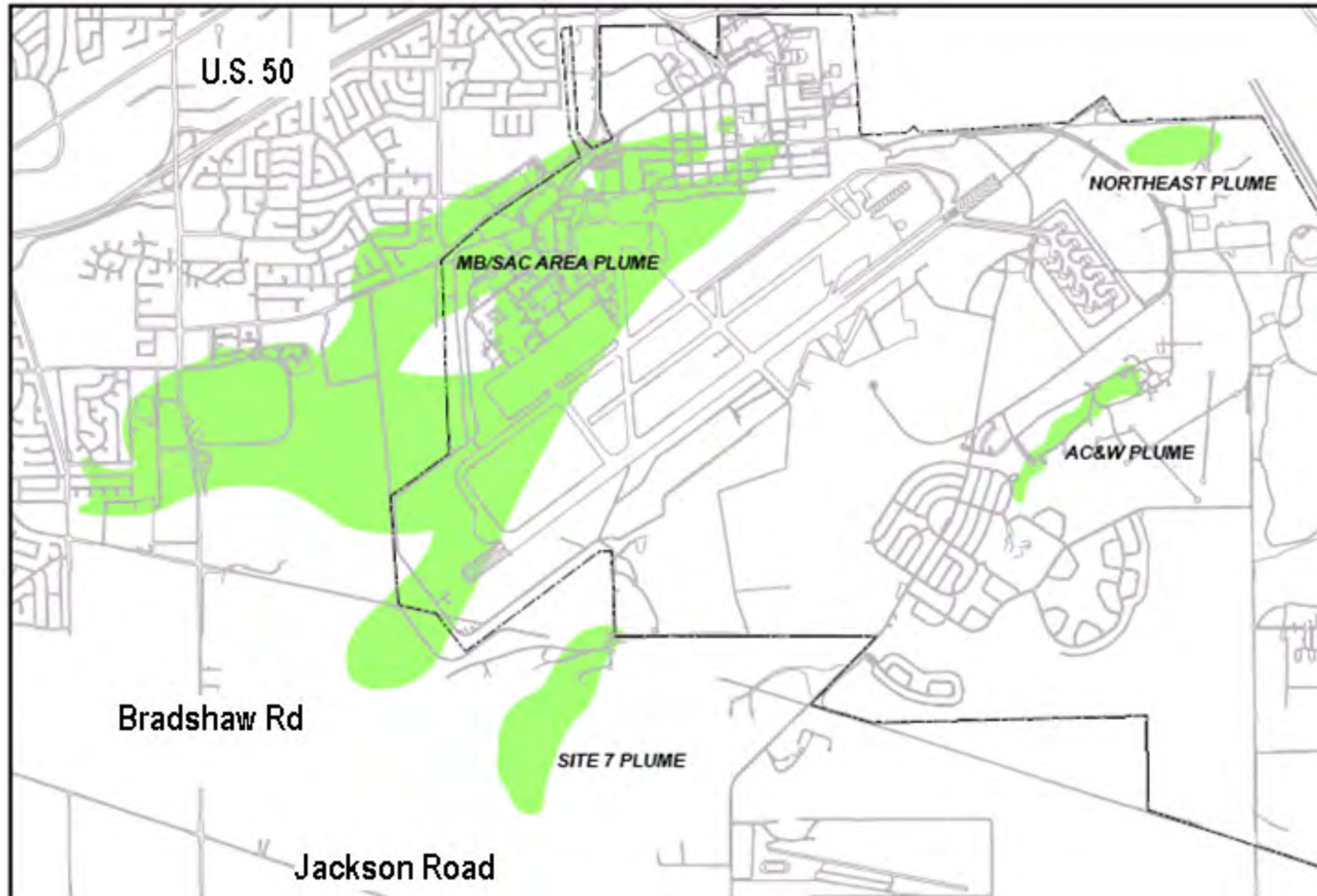
■ **Groundwater cleanup update**

- **Three plumes are undergoing cleanup by AFRPA; all systems operating without major problems**
- **Final reports documenting proper and successful operation (OPS) will soon be issued for the Main Base/SAC Area remedy and for the Site 7 groundwater remedy (a milestone for property transfer, signifying that all action needed to protect human health and the environment has been taken)**
- **The Final Northeast Plume OPS report was issued in October for U.S. EPA concurrence**



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Groundwater Plume Map



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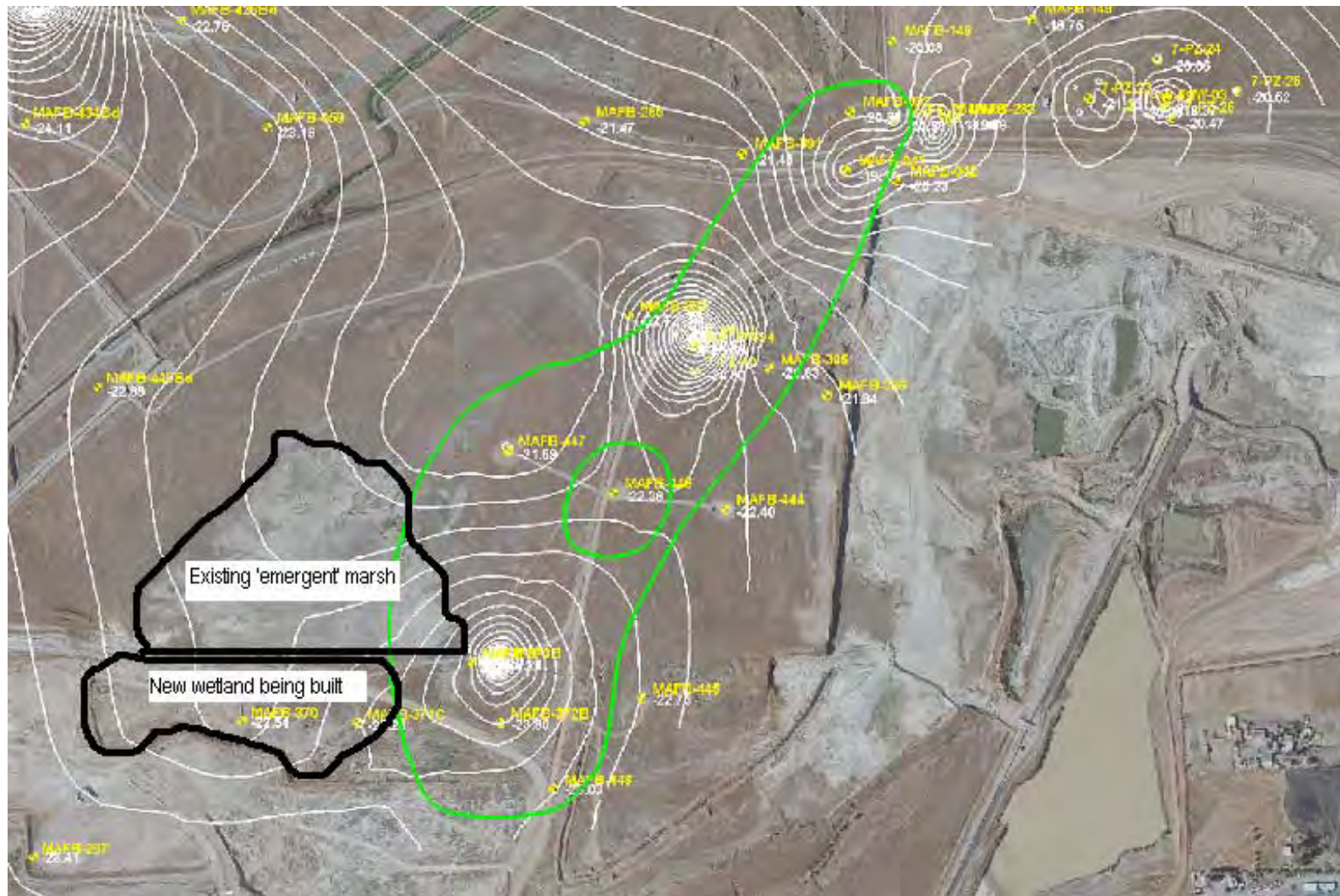
Update – Groundwater Cleanup (cont'd)

- **AC&W Plume influent concentrations fluctuated just above the cleanup level during 2009 (5.8, 5.6, 6.9, and 6 ug/L TCE during the four quarters of 2009), and was near the cleanup level (5.3, 5.0, and 6.0 ug/L) in the first three quarters of 2010. The highest 2010 detection was 18 ug/L in extraction well AC&W AT-1**
- **Site 7 cleanup resumed in 2006 after 3-year interruption for mining and reclamation to occur south of Mather. The creation of a marsh adjacent to the plume is occurring as part of reclamation.**
 - **The depression where the marsh has been built has been holding water in the winter since about 2004 or 2005**



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Preliminary Interpretation, May 2010 Water-level Elevations at Site 7



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7-EW-02 near southern edge of marsh



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Results of Small Mammal Survey

- **The small mammal survey began in 2007, but no mice were caught**
- **In 2008, 7 mice were caught; all voles were released**
- **In 2009, 3 mice and 25 voles were caught; 14 voles were released**
- **Concentrations of lead in liver and kidney samples as well as entire animals are below concentrations identified as causing health effects**
- **The final report of the results of the 2009 small mammal monitoring was issued in September, 2010, and recommends discontinuing small mammal monitoring**



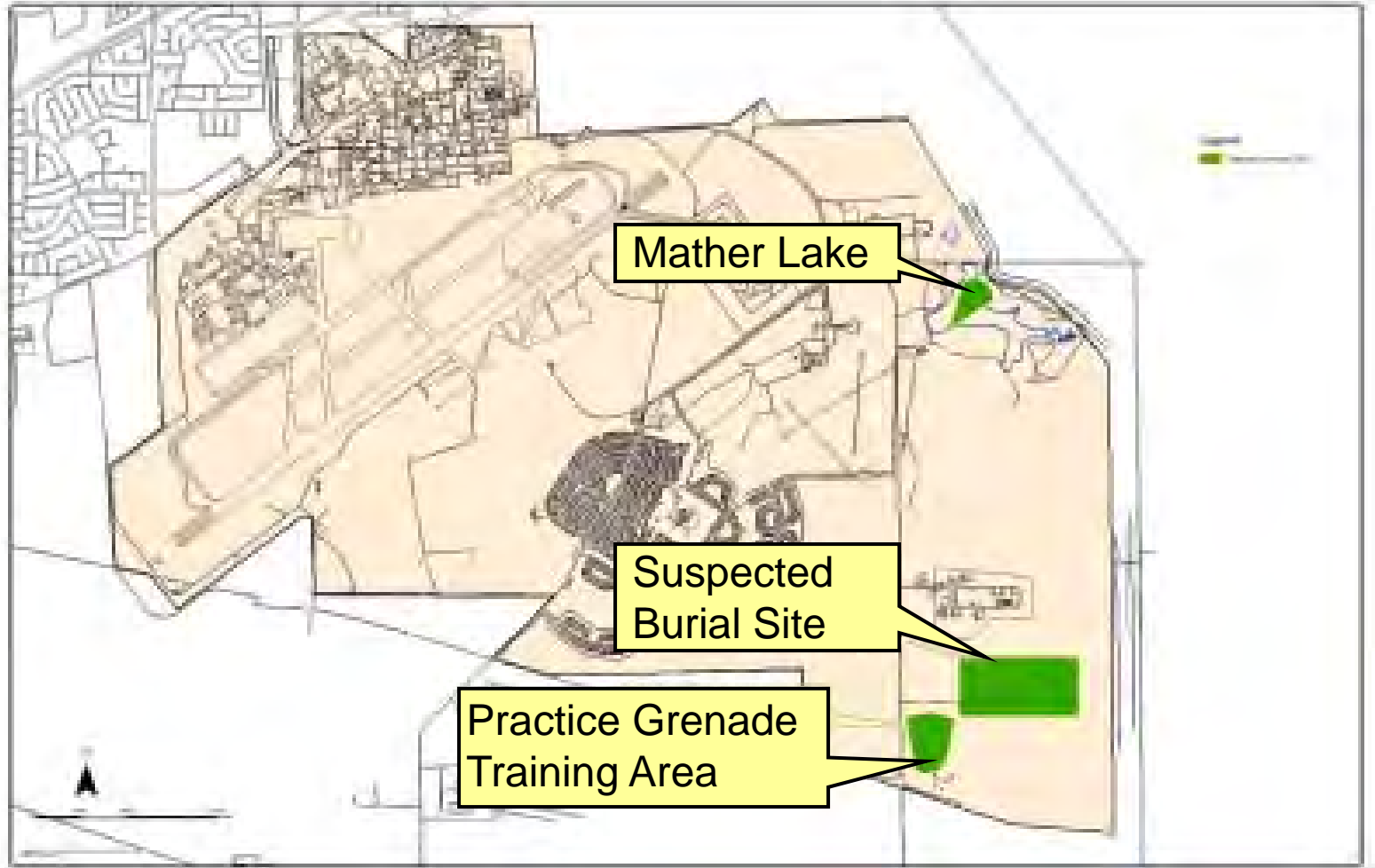
Update - Military Munitions Response Program (MMRP)

- The environmental, health and safety issues related to ordnance are managed under the MMRP
- Clearance has occurred at 3 Major MMRP Sites at Mather
 - Mather Lake: completed in 2009 for part of eastern shoreline currently being cleared; no ordnance found; final report to be issued Nov 2010
 - Practice Grenade Launcher Training Area clearance completed; report finalized in Nov 2009
 - Suspected Burial Site AOC-601 clearance completed; final report to be issued Nov 2010. Additional area remains to be cleared related to IRP Site 69, where buried, burned material and debris 'kicked out' have been found



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Map of 3 MMRP Sites



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Update - Military Munitions Response Program (MMRP)

- **One MMRP site remains to be cleared. It is the former ordnance burning/ordnance detonation site now identified as XE-404 (the same location as IRP Site OT-69, with the addition of a 'kick-out' buffer zone)**
- **Geophysical survey and partial verification occurred in 2009, but additional funding is required to complete the clearance, which is planned for 2011**



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Five-Year Review Status

- **The draft five-year review was issued for review in September 2009; EPA comments were received in March 2010**
- **The draft final report was issued on August 20, 2010, and received concurrence from U.S. EPA on September 30 that all remedies are protective for the short term, and requesting additional assessment of long-term protectiveness. AFRPA has committed to two new monitoring wells as part of this continued assessment.**
- **Comments received on the draft final report are addressed in the final report issued October 29, 2010**



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Mather's Third Five-Year Review Report

- **The Mather third five-year review covered 2004 through 2008 and used some more recent information, such as initial sampling results from wells first sampled in 2009, and updated citations in the reference list for key documents completed in 2010**
- **The review concluded that the remedies were protective of human health and the environment in the short term, but not in the long term because not all institutional controls (ICs) were in place (as of August 20, 2010)**



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Mather's Third Five-Year Review Report (continued)

■ **Specific findings by operable unit (OU):**

Protective:

- **Aircraft Control and Warning (AC&W) OU**
- **Landfill OU**
- **Supplemental Basewide OU**

Protective in short term but needs ICs

- **Groundwater OU**
- **Soil OU**
- **Basewide OU**

- **Note that ESDs authorizing ICs for the last three OUs were completed on 25 August 2010**



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Mather's Third Five-Year Review Report (continued)

- **Specific recommendations for groundwater plumes:**
 - **AC&W Plume: keep monitoring near Boeing extraction well and optimize extraction of the AC&W Plume**
 - **Main Base/Strategic Air Command Area Plume:**
 1. **Continue to monitor Southwest Lobe**
 2. **Terminate treatment at Moonbeam well (done)**
 - **Site 7 Plume: Continue monitoring to evaluate system performance**
 - **Northeast Plume: Continue to monitor and periodically assess performance of remedy**



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Mather's Third Five-Year Review Report (continued)

- **Specific recommendations for soil sites and ICs:**
 - **Site 37/39/54: Evaluate alternative remedial strategies to expedite cleanup**
 - **Site 57: Evaluate whether residual deep contamination just above the water table warrants cleanup by continued soil vapor extraction**
 - **Institutional Controls: Ensure that ICs are monitored annually as required**



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Termination of treatment at the Moonbeam Drive well

- **The Air Force installed wellhead treatment at the Moonbeam Drive well in 1997. In 2009, concentrations dropped such that operation of the treatment system by the Air Force was no longer required, and the Air Force provided notice that they would terminate operation in September 2009.**
- **Well owner Cal Am stated in the fall of 2009 that they would like the treatment to continue until the treatment system was removed as a requirement of their operating permit**
- **Cal Am applied to modify the permit in March 2010**
- **The Air Force removed the carbon in June 2010**
- **The former carbon vessels are now used to allow contact time with chlorine prior to water distribution**



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CZA Area 3 – Southwest Lobe

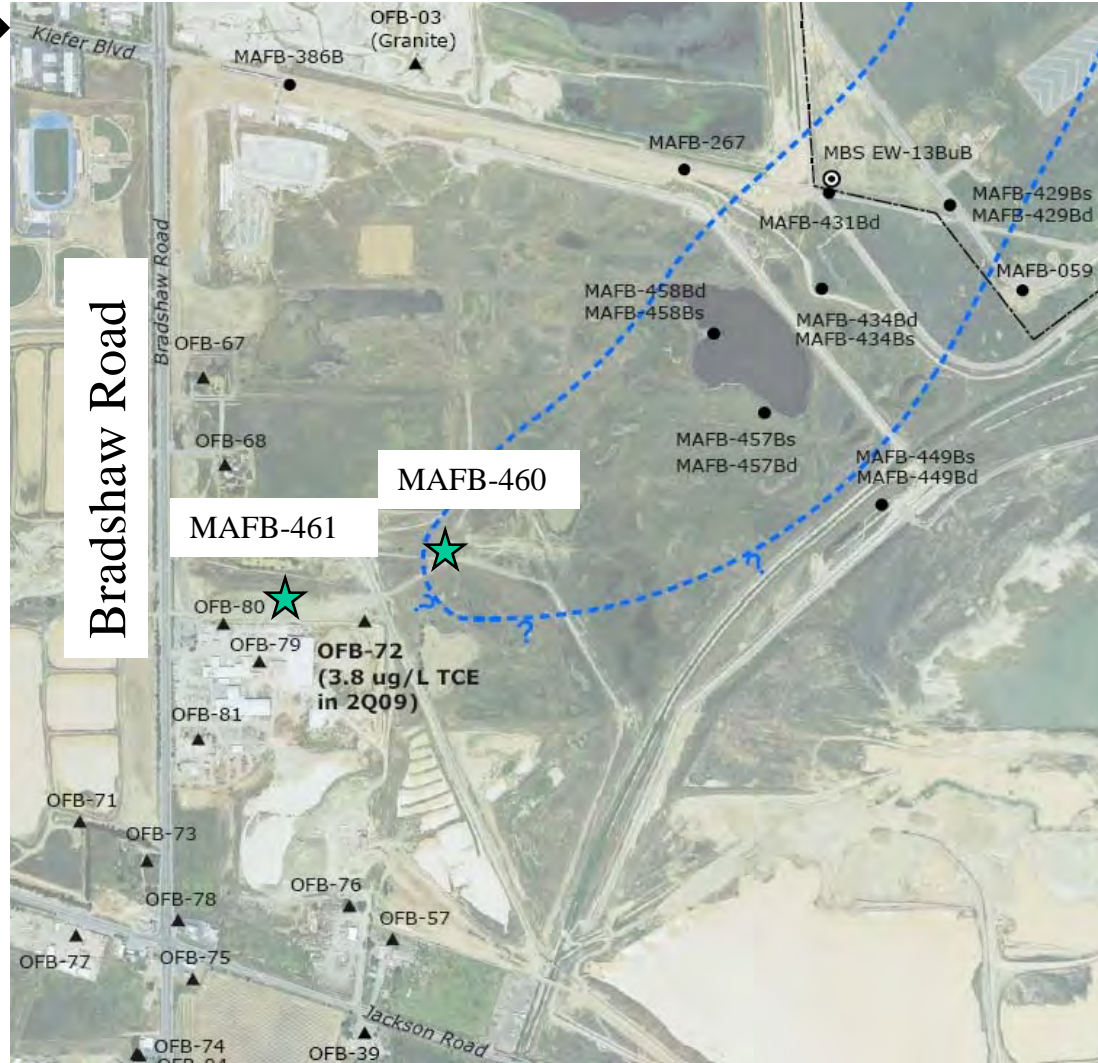
- **Two monitoring well pairs were installed near the toe of the Southwest Lobe and sampled in November 2009. At one location (MAFB-460), samples from both well screens had detections below cleanup levels. At the other location (MAFB-461), samples from both screens had no detections.**
- **These wells have been sampled in first three quarters of 2010, with similar results, and one trace detection of TCE in MAFB-461Bs in the first quarter.**
- **OFB-72 (dust control well) and OFB-80 (drinking water well) have been sampled quarterly; the former has had detections below cleanup levels, and the latter none.**
- **AFRPA plans to place a deeper monitoring well at either MAFB-460 or MAFB-461.**



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Prior Interpretation of Southwest Lobe (MBSA CZA Area 3) with Nov 09 wells

Kiefer Blvd →



Bradshaw Road

Jackson Rd →



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RAB Outreach

- **Follow-up from January 2010 RAB meeting discussion of the RAB adjournment process**
 - **Website changes**
 - **RAB Adjournment Process According to RAB Rule**
 - **Information Channels and Stakeholder Groups**



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Key document update

- **Documents completed since June 2010 RAB meeting**
 - **Basewide Operable Unit (OU) Explanation of Significant Differences (ESD) to clarify institutional controls (ICs) – signed August 25**
 - **Soil OU & Groundwater Plumes ESD to clarify ICs - signed August 25**
 - **Closure Report, Site 18 (May – revised in November to add institutional controls)**
 - **Report of small mammal sampling, September**
 - **Northeast Plume OPS report, October**
 - **Third Five-Year Review Report, October**
 - **Routine monthly, quarterly, or semiannual reports**



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Key document update (cont'd)

- **Documents in review since June 2010 RAB meeting**
 - **Institutional control compliance report (covers 2006 through August 24, 2010); comments were due October 29**



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Key document update (cont'd)

■ **Upcoming documents of interest**

- Final OPS reports
 - Site 7 groundwater remedy
 - Main Base/Strategic Air Command Area groundwater remedy
- Draft Final Site 20 Remedial Action Report (drafted in 2006, but updated to document completion of required groundwater monitoring to allow the site to close)
- 2010 annual groundwater, landfill, and soil vapor extraction/ bioventing reports will be issued in Spring 2011



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Regulatory Update

- **Remedial Project Managers (RPMs)**
- **U.S. EPA RPM: John Lucey**
 - **Community Involvement: Viola Cooper**
- **CA DTSC RPM: Franklin Mark**
 - **Public Participation: Nathan Schumacher**
- **CA RWQCB RPM: Marcus Pierce**
 - **Public Participation support: Conny Mitterhofer**



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Action Item Update

- 1. Keep the RAB informed of the Site 7 groundwater remediation and any concerns related to planned construction of an emergent marsh wetlands per the reclamation plan for the gravel pit**

Status: ongoing

- 2. Provide RAB copy of the AC&W and other ESDs once signed by AFRPA**

Status: The last two ESDs were signed on 25 August and have been provided to the RAB.



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Action Item Update (continued)

3. Provide information when property with land-use restrictions is to be transferred

Status: Ongoing; dates are not yet know for future transfer of additional property with land-use restrictions. Parcels A-1 and G will have land-use restrictions

4. Provide RAB members minutes in a timely fashion

Status: Minutes for the last two meetings have been provided to Community Co-chair for review shortly after the meetings and to all RAB members prior to this November 2010 meeting



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Action Item Update (continued)

5. present different methods for disseminating information to the public once the RAB adjourns

Status: methods identified at January meeting and topic of discussion during and after November meeting

6. prepare and present a plan to help the public learn about the current cleanup status

Status: to be developed in concert with RAB

7. Post the Community Relations Plan on the website

Status: website in development, to be discussed after this meeting



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Action Item Update (continued)

8. Post contact information on the website where the public may ask questions or express concerns

Status: website in development, to be discussed after this meeting

9. Check mailing list with respect to Independence at Mather

Status: Only interested residents retained on routine mailing list



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RAB Topics and Future Meeting Dates

■ Topics for future RAB meetings

- Update on community outreach and website development/maintenance
- Timeline for RAB adjournment as appropriate
- Operating Properly and Successfully (OPS) determinations

■ Future RAB Meeting Date(s)



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Round the Table

- **Opportunity for public comments**

- **Meeting adjournment**