

1 WURTSMITH RESTORATION ADVISORY BOARD (RAB)
2 WEDNESDAY, NOVEMBER 16, 2022
3 5:00 P.M.

4 Transcript of the proceedings
5 regarding the former Wurtsmith Air Force Base
6 being held via video teleconference technology
7 and in-person.

8 APPEARANCES:

9 TIM SUELTFUSS, Galen Driscoll
10 PAULA BOND, Aerostar

11 COMMUNITY RAB:

12 MARK HENRY, Co-Chair
13 WILLIAM GAINES
14 DANIEL STOCK
15 DAVID WINN
16 CATHY WUSTERBARTH
17 ARNIE LERICHE
18 GREG SCHULZ
19 REX VAUGHN (VIA TELECONFERENCE)

20 GOVERNMENT RAB:

21 STEVEN WILLIS, Co-Chair
22 ERIC STRAYER, Au Sable Township
23 PUNEET VIJ, MDHHS (VIA TELECONFERENCE)
24 BETH PLACE, EGLE
25 MICHAEL MUNSON, OWAA
TIM CUMMINGS, Oscoda Township
BILL PALMER, Au Sable Township

REPORTED BY:

Quentina R. Snowden, (CSR-5519)
Certified Shorthand Reporter & Notary Public

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MEMBERS OF THE PUBLIC ADDRESSING THE BOARD:

ANTHONY SPANIOLA

1 (Call to order at or about 5:00 p.m.)

2 MR. SUELTFUSS: Welcome, everybody.
3 My name is Tim Sueltenfuss. (Inaudible).

4 MR. WILLIS: Welcome everyone. I see
5 a few new faces tonight. It's always good to have
6 (inaudible).

7 MR. SUELTFUSS: (Inaudible) Mark
8 Henry.

9 CO-CHAIR HENRY: Hello, everyone
10 (inaudible).

11 THE COURT REPORTER: I'm sorry, Tim,
12 we're not able to hear anyone.

13 MR. SUELTFUSS: Thank you, Quentina.
14 Are you able to hear me?

15 THE COURT REPORTER: Yes.

16 CO-CHAIR HENRY: Are you able to hear
17 me?

18 UNKNOWN SPEAKER: Speak up.

19 CO-CHAIR HENRY: Are you able to hear
20 me?

21 THE COURT REPORTER: Now I can, yes.

22 CO-CHAIR HENRY: Okay. I'd like to
23 thank everyone for showing up. I'd also like to
24 thank the Air Force (inaudible) in the technical
25 meeting prior to this meeting so that we could go

1 over a few of the (inaudible) related to the
2 Community (inaudible) Air Force has the (inaudible).

3 MR. SUELTFUSS: Thank you, Mark.
4 Again, Mark is the Community Co-Chair. Steve Willis
5 is the Air Force Co-Chair. My role is to serve as
6 facilitator for the meeting. Galen Driscoll
7 (inaudible).

8 Let's see. Let's move to slide number
9 three, if we could. Slide number three. Okay. So,
10 we do have a full agenda tonight. We'll start off
11 with some brief updates from our RAB members. We're
12 going to talking about some RAB business items, so
13 those are action items from our previous meetings.
14 Also, we'll have a Community Co-Chair election.
15 After that, we'll move into an update about the
16 remedial investigation and interim remedial actions.

17 The next topic is going to be new
18 actions, including the interim remedial action at
19 the alert aircraft area, and the pilot study of the
20 Three Pipes Ditch. We've reserved, as we often do,
21 a significant amount of time towards the end of the
22 meeting to address RAB member questions as well.

23 So, all those (inaudible) the agenda
24 are for the RAB members here at the table, and the
25 RAB members who are connected virtually.

1 Let's see. Thereafter, we'll have an
2 opportunity for public input. So, you'll have the
3 opportunity, members of the public, to come up and
4 provide comment at this microphone up here at the
5 head of the table for three minutes. We'll do,
6 first, those who are in person, and then we'll do
7 those who are remote as well.

8 During the technical presentations,
9 I'd just ask that you please hold your questions
10 until the end of the presentation, and then we'll
11 address those. And we'll often address questions
12 from those RAB members who are here in person first,
13 and then I'll turn to those who are connected
14 remotely. Arnie?

15 MEMBER LERICHE: Rex Vaughn just
16 texted us that he's not seeing the slide, the
17 current slide, and the audio feed is not working.

18 MR. SUELTENFUSS: Okay. Let me just
19 do a quick sound check with Rex Vaughn. Rex, are
20 you able to hear us?

21 And Quentina, let me just turn to you.
22 Are you able to hear me?

23 THE COURT REPORTER: Yes, I can.

24 MR. SUELTENFUSS: Okay. Thank you.
25 So, I'll turn to our Aerostar colleagues to work the

1 issue to get Rex connected.

2 Arnie, please let me know if you get
3 any further updates from him real quick.

4 Okay. And we plan to conclude about
5 8:00 Eastern tonight, as we typically do, as well.

6 Let's move to slide four, the RAB
7 ground rules, and I'll review these. And then, RAB
8 members, just let me know if these need adjustment,
9 or if you have questions about these.

10 Number one, respect one another and
11 maintain an atmosphere of open dialogue and exchange
12 of ideas.

13 Two, use our time together
14 efficiently, wisely, and respectfully.

15 Three, speak clearly and succinctly,
16 one person at a time. Avoid interrupting others.
17 And I'll just pause to say that's the Quentina
18 Snowden rule, she's our Court Reporter, so her job
19 will be much easier if we speak one at a time.

20 Number four, listen and remain open to
21 differing points of view.

22 Five, maintain a propensity for
23 progress. Prepare, discuss, document and move
24 forward.

25 Six, share information early, openly,

1 and honestly.

2 Seven, accurately and objectively
3 relay to others the discussions that occur at Board
4 meetings.

5 Any discussion among the RAB members
6 about those ground rules?

7 MEMBER VAUGHN: I can see you, Tim. I
8 got kicked out.

9 MR. SUELTFUSS: Okay. All right.
10 And was that Rex?

11 MEMBER VAUGHN: That's correct. The
12 screen is not updating. All we're seeing is the
13 (inaudible). None of the slides that you've gone
14 through have shown up.

15 MR. SUELTFUSS: Okay. Thanks, Rex.
16 We've got some AV folks in the back of the room
17 working on that right now.

18 Okay. If we could move to slide five,
19 please.

20 MEMBER VAUGHN: Now the audio is
21 horrible, Tim.

22 MR. SUELTFUSS: Okay. And Rex, are
23 you able to hear me right now?

24 And just a quick check --

25 THE COURT REPORTER: (Inaudible).

1 MR. SUELTFUSS: Quentina, let me
2 just check in with you to see if you're able to hear
3 me.

4 THE COURT REPORTER: (Inaudible).

5 MR. SUELTFUSS: Please stand by.

6 THE COURT REPORTER: We're not seeing
7 the video at all.

8 MR. SUELTFUSS: And a quick sound
9 check. Quentina, are you able to hear me?

10 THE COURT REPORTER: I can hear you,
11 we just can't see the room. We see the MiCTV airing
12 and that's it.

13 MR. SUELTFUSS: Understood. All
14 right. So, let me suggest this: Please just carry
15 on listening to this audio. We're going to try to
16 work this as best we can. For the RAB members,
17 Steven Willis sent out a version of the agenda,
18 which you might be able to follow along with, but
19 for now, let's just press forward. We've got some
20 folks working that issue.

21 Let's see. Okay. Ironically, we are
22 at the checklist for virtual participation. Okay.
23 So, we are having this meeting occur both in person
24 and online. We have a Court Reporter online to
25 capture a verbatim transcript of the meeting, and

1 we're also recording the meeting.

2 So, RAB members who are here in
3 person, if you have a question throughout the
4 evening, please just raise your commands. RAB
5 members who are joining by computer, please let us
6 know if you have a question by raising your hand
7 electronically. I'll call on you to pose your
8 question. Please do mute your microphones when not
9 speaking just to minimize any background noise. RAB
10 members who are joining by telephone, you can raise
11 your hand by pressing star 9 and lower it by
12 pressing star 9 again. You can mute and un-mute
13 yourself with star 6.

14 Okay. You saw also on the
15 presentation, we have an acronym list just for
16 reference. Let me just run through now and ensure
17 that we have a quorum of RAB members present.

18 Okay. Do we have William Gaines?

19 MEMBER GAINES: Present.

20 MR. SUELTENFUSS: All right. Thank
21 you, sir. Arnie Leriche?

22 MEMBER LERICHE: Here.

23 MR. SUELTENFUSS: Do we have Scott
24 Lingo?

25 Okay. And just a quick check to see

1 if we have Scott Lingo connected virtually?

2 I believe Joe Maxwell was not able to
3 make it tonight.

4 Do we have Greg Schulz?

5 MEMBER SCHULZ: Here.

6 MR. SUELTFUSS: And Daniel Stock?

7 MEMBER STOCK: Present.

8 MR. SUELTFUSS: Thank you. I
9 believe we have Rex Vaughn on the line. Rex, are
10 you with us?

11 MEMBER VAUGHN: Present.

12 MR. SUELTFUSS: Thank you, Rex.

13 David Winn?

14 MEMBER WINN: Yes, I am.

15 MR. SUELTFUSS: And Cathy

16 Wusterbarth?

17 MEMBER WUSTERBARTH: Here.

18 MR. SUELTFUSS: Thank you. Those
19 are the Community RAB members, and I'll now move to
20 the Government RAB members.

21 Steven Willis with the Air Force?

22 CO-CHAIR WILLIS: Here.

23 MR. SUELTFUSS: Eric Strayer of Au
24 Sable Township?

25 MEMBER STRAYER: Here.

1 MR. SUELTFUSS: Denise Bryan,
2 District Health Department 2?

3 And do we have representation from
4 District Health Department 2 virtual?

5 Okay. How about Puneet Vij with
6 Michigan Department of Health and Human Services?

7 (Puneet Vij present via video
8 teleconference.)

9 MR. SUELTFUSS: And do we have any
10 others from MDHHS connected virtually?

11 Beth Place, Michigan Department of
12 Environment, Great Lakes and Energy?

13 MS. PLACE: Here.

14 MR. SUELTFUSS: Tim Cummings of
15 Oscoda Township?

16 MR. CUMMINGS: Here.

17 MR. SUELTFUSS: Michael Munson,
18 Oscoda Wurtsmith Airport Authority?

19 MR. MUNSON: Here.

20 MR. SUELTFUSS: And Jessie
21 Stuntebeck, USDA Forest Service? Do we have Jessie
22 or other Forest Service representatives on the line?

23 Okay. Well, we do have a quorum per
24 section 2.4.8 of the operating procedures, so we are
25 able to move forward. Just for awareness, a quorum

1 is important tonight, because we will be doing a
2 vote for the Community Co-Chair, so we do have that
3 quorum and can proceed.

4 Let's see. Okay. We also have had a
5 sign-in sheet passed around, so if you have not
6 signed in, please do make sure that you have the
7 opportunity to have that right over here.

8 And let's see. Then, let's move to
9 slide seven, if we could. This is a site map. So,
10 just for orientation, a map of the former Wurtsmith
11 Air Force Base. And we also have maps in the
12 background here with a bit more detail for questions
13 during the break and so on. Arnie?

14 MEMBER LERICHE: Is there a
15 possibility for the audience, and the rest of us, to
16 dim the lights a little bit?

17 MR. SUELTENFUSS: Yeah, we'll check on
18 that. That's not working.

19 MEMBER LERICHE: Oh, it's the other
20 way around.

21 MR. SUELTENFUSS: Other way around,
22 JD.

23 MEMBER LERICHE: Okay.

24 MR. SUELTENFUSS: Yep. There you go.

25 MEMBER LERICHE: Thank you.

1 MR. SUELTFUSS: Okay. Let me just
2 do a quick check. Paula, are we good to go in terms
3 of the display?

4 MS. BOND: Yes (inaudible).

5 MR. SUELTFUSS: Okay. Rex, can you
6 just let me know if you're able to see this site
7 map?

8 MEMBER VAUGHN: The only thing that's
9 showing is the intro page on somebody's computer in
10 PowerPoint. You know, they're not being advanced
11 and it's not a selection of (inaudible) but we're
12 seeing, you know, the full -- not just selections,
13 the PowerPoint (inaudible) on the slides.

14 MR. SUELTFUSS: Okay.

15 MEMBER VAUGHN: The site map is up.

16 MR. SUELTFUSS: Okay. All right.
17 Well, that was easy.

18 Let's move, if we could, to the -- the
19 next topic on the agenda, stakeholder updates.
20 We're on slide eight. And we're now entering the
21 stakeholder updates portion of the agenda.

22 This topic is for the RAB members to
23 provide some brief updates since our last meeting,
24 and we'll have the opportunity for a more detailed
25 discussion and presentation during later portions of

1 the agenda.

2 We'll start with an Air Force update,
3 if we could. And so I'll turn to Steven Willis.

4 MR. WILLIS: Okay. Again, it's good
5 to see everyone here tonight. Since the last RAB
6 meeting, the Air Force did host a tour of the IRAs
7 we've constructed here at Wurtsmith. We also did
8 have a technical workshop, that was on the 26th and
9 27th of October.

10 MR. SUELTFUSS: Excuse me one
11 second. And next slide, please.

12 CO-CHAIR WILLIS: We did have a great
13 turnout for that event. We are seeking input from
14 RAB members in the community on additional workshops
15 in the future. Some more to come on that.

16 Next, we've got an action item for the
17 RAB regarding four IRA areas that the RAB has
18 identified for evaluation by the Air Force. And so,
19 I'll talk about the DRMO area, the LF -- the
20 landfill, it's LF030 and '31, as well as the
21 wastewater in the dune and seepage beds. And then,
22 Paula Bond from Aerostar will talk about the Three
23 Pipes Ditch. We've actually got a pilot study that
24 we're going to be doing next year at that location.

25 And again, I want to remind everybody

1 of the CERCLA process and how it works. We
2 (inaudible) as a whole, and based on that, we'll
3 take the data and we'll do a feasibility study to
4 look at alternatives, and select the final remedies
5 for these sites -- for the PFAS sites. The
6 objective is not to (inaudible) cleanup by IRA. We
7 need (inaudible) for hotspots for areas that are
8 causing significant risk of human or ecological
9 receptors.

10 But IRAs are not the way to clean up a
11 site. We have to look at the site as a whole. We
12 incorporate those IRAs into the final remedy to
13 the maximum extent possible, but, the end result is
14 not to go (inaudible) IRA (inaudible), clean up the
15 site as a whole. So, we incorporate those as a part
16 of the cleanup process.

17 As we've seen (inaudible) at the RAB
18 meetings, the IRA CERCLA process includes the RI;
19 the FS, which is the feasibility study, and that's
20 where we'll identify and evaluate alternatives; the
21 proposed plan where we'll identify the preferred
22 alternative for each of the sites, and then arrive
23 when that final remedy is selected for
24 implementation.

25 The other thing that I want to talk

1 about, it's come up at previous RAB meetings, is the
2 Harrisville tank farm plant, which is to the north
3 of here. And -- just to give you a little
4 background on that. And we do have some documents
5 that I'll have copied and placed in the library or
6 IR, information repository, so that anyone that's
7 interested can go look at those as a basis for what
8 I'm presenting tonight.

9 So this next slide, for everyone, is
10 the DRMO area. We talked some about this in the
11 technical workshop earlier. But the -- you can see
12 the plume coming out of the DRMO area along the map
13 there. Kind of the reddish area is the hotspot.
14 That actually is based on the sample taken during
15 the SI a number of years back.

16 For the RI, we've actually sampled
17 around that to try to delineate that hotspot, and
18 the results were a magnitude lower. So, we
19 resampled the well, and we could not replicate that
20 high concentration from the SI at that location
21 either.

22 So, we're still in the process of
23 evaluating if we could see it on the right side of
24 that plume, the blue -- it's a dashed (inaudible) so
25 we still have a data gap down in that end of it as

1 to how far it extends. So, we've got more data to
2 collect there as well. So, we're still not
3 completely done here (inaudible) but the current
4 data does indicate this area needs IRA (inaudible).

5 Next slide, 11, this is the LF030,
6 '031 site. It's two former landfills. (Inaudible)
7 concentration of the plume appears to be coming from
8 the landfill (inaudible).

9 MR. SUELTFUSS: Yeah, go ahead,
10 Cathy, please.

11 MEMBER WUSTERBARTH: (Inaudible).

12 CO-CHAIR WILLIS: So, it's not a
13 priority list, it's based on the concentrations of
14 the contamination as well as the (inaudible). So,
15 our focus has been on trying to cut off the
16 (inaudible) going into Clark's Marsh (inaudible).

17 MEMBER WUSTERBARTH: Just that
18 process, is that something (inaudible) documentation
19 that (inaudible).

20 CO-CHAIR WILLIS: We don't have a
21 formal documented checklist or anything like that
22 that we use, it's just based on a team evaluation of
23 the data. We talked about the technical workshop,
24 and in the future RAB meetings for the
25 post-recession, we'll add what data we can

1 (inaudible). Private property information is not
2 releasable without the consent of the owner, so we
3 won't be able to show that on the maps, but we will
4 be able to show you the actual sample locations and
5 contractions to support (inaudible).

6 MEMBER WUSTERBARTH: Is that something
7 that would have been (inaudible).

8 CO-CHAIR WILLIS: We have not
9 discussed these IRAs in recent (inaudible).

10 MEMBER WUSTERBARTH: (Inaudible).

11 CO-CHAIR WILLIS: I knew you were
12 going to ask me that. At the break, I'll pull up
13 the minutes from that, and we have not finalized
14 those minutes, but as soon as they are, I'll
15 distribute them. But I'll look back at the content
16 of that.

17 MEMBER WUSTERBARTH: When was it, what
18 month?

19 CO-CHAIR WILLIS: September.

20 MR. SUELTFUSS: All right. Okay.
21 And let's see. David?

22 MEMBER WINN: Yeah, the list that I
23 currently (inaudible) groundwater plumes are not
24 impacted (inaudible) Van Etten Lake (inaudible) I
25 mean, the plume, you can see the 8,000 parts per

1 trillion (inaudible).

2 CO-CHAIR WILLIS: Based on the data we
3 have now, it does not appear that -- it is a data
4 gap, we do need to collect more data.

5 MR. SUELTFUSS: Okay.

6 CO-CHAIR WILLIS: So, we are not done.
7 We are not writing this site off by any means.
8 We're still evaluating it.

9 MEMBER WINN: When you say "current
10 data" doesn't warrant an IRA, that's based on what
11 you currently have?

12 CO-CHAIR WILLIS: Correct.

13 MEMBER WINN: When you're collecting
14 the data in the spring, that may be a different
15 story.

16 CO-CHAIR WILLIS: That is correct. We
17 will reevaluate --

18 (Inaudible - no audio feed; according
19 to the actions seen on the video provided from
20 YouTube, a break was taken to address the issue.)

21 MEMBER PALMER: So it's not, in any
22 case, a deterrent to people actually doing something
23 harmful to themselves. So, hunters and trespassers
24 are not sure how that'll correlate in the language,
25 but, in my view, the only thing that will prevent

1 hunting and fishing in Clark's Marsh is a fence
2 around it. And I'd like, at some point in time, for
3 some consideration for that to be part of the plan
4 going forward.

5 MR. SUELTFUSS: Okay. Thank you,
6 Bill. Let's turn to Arnie Leriche.

7 MEMBER LERICHE: I would just like to
8 add to that, as Bill just stated, and ask the Air
9 Force, does the Air Force consider the PFAS in and
10 under Clark's Marsh, or any other off property --
11 Air Force property, as a secondary source, because
12 it's been sitting there for over 40 years
13 (inaudible).

14 CO-CHAIR WILLIS: So, we will look at
15 Clark's Marsh as part of the RI. Obviously, because
16 it is a large -- it's going to be difficult to get
17 in there and do a lot of investigation. But, yeah,
18 we have yet to do any RI work in Clark's Marsh. So,
19 that's on our list for next field season.

20 MEMBER LERICHE: But I have never seen
21 a secondary source listed in any of your documents
22 that (inaudible) conceptual site models. And it is
23 something in the CERCLA UVA guides that primaries
24 and secondary sources be identified early on in the
25 CERCLA process so that the SI and the ESI identifies

1 some of the impact -- potential impact of the
2 secondary sources. That's the best practice
3 (inaudible).

4 CO-CHAIR WILLIS: Okay.

5 MEMBER LERICHE: It would be an action
6 them.

7 CO-CHAIR WILLIS: We'll look into
8 that.

9 MR. SUELTFUSS: Okay. And I've
10 captured that, Arnie. I'm keeping a list of what I
11 hear as potential action items. I'll share those
12 with the Co-Chairs, who typically meet after these
13 meetings and assemble them into action items.

14 MEMBER LERICHE: Thank you.

15 MR. SUELTFUSS: Okay. Let's go to
16 Greg Schulz. Greg, any updates?

17 MEMBER SCHULZ: No, not at this time.

18 MR. SUELTFUSS: Okay. All right.
19 Thank you, Greg. How about to Dan Stock?

20 MR. STOCK: Nothing.

21 MR. SUELTFUSS: Thank you, sir. And
22 Rex Vaughn was not with us because of technical
23 glitches. David Winn?

24 MEMBER WINN: I have nothing at this
25 time.

1 MR. SUELTFUSS: Okay. And Cathy
2 Wusterbarth?

3 MEMBER WUSTERBARTH: Yeah, I have a
4 couple of things. The NOW Group continues to meet
5 with their technical experts with EGLE on a
6 quarterly basis to discuss progress with -- with the
7 issues here.

8 We also had an election last week,
9 right, we all did, and our area, just for those Air
10 Force -- or, you know, personnel that are not from
11 our area, we have had a change up of our U.S.
12 Congressman. We -- actually, the State of Michigan
13 was redistricted. So, we do have a new Congressman.
14 Congressman Kilde will no longer be our Congressman.

15 And then, we also have a new State
16 Senator and a State House rep. So, you might be
17 seeing some different names in terms of if there is
18 any involvement with them, so --

19 CO-CHAIR WILLIS: I'll need to get
20 their information so that we can add them to the RAB
21 distribution.

22 MEMBER WUSTERBARTH: Oh, yes. Very
23 good.

24 And we have met with the new U.S.
25 Congressman, Jack Bergman, last year just to give

1 him sort of an introduction to the issues and sort
2 of where we stand on those.

3 In terms of the work that you're doing
4 with the Township, I mentioned that the FNB had
5 presented a report of the PFAS summary of the
6 wastewater treatment plant and the lines. And I've
7 asked that -- that that issue be placed on the
8 Township agenda for their twice a month meeting so
9 that the community members and the Board can keep up
10 on those and share information.

11 And also, just as a reminder, maybe,
12 or as an update, the sliplining of the storm sewers
13 agreement has -- is moving forward, I understand.
14 And just -- maybe as a reminder to community members
15 that might be listening, it was the expectation from
16 my understanding that all of the storm sewers that
17 were impacted on the former Base were going to be
18 sliplined, but only -- I think a portion of them
19 were.

20 So, I just wanted to make sure that
21 that was clear to the people that were interested in
22 that.

23 MR. SUELTFUSS: Okay. Thanks,
24 Cathy.

25 MEMBER WUSTERBARTH: That's it. Thank

1 you.

2 MR. SUELTENFUSS: All right. Well,
3 continuing on with our stakeholder updates, let's
4 move to the Government RAB members, the remaining
5 Government RAB members. Let's turn to Beth Place
6 with Michigan Department of Environment, Great Lakes
7 and Energy.

8 MS. PLACE: Sure. Beth Place with
9 EGLE.

10 And so for our updates, I wanted the
11 RAB to be aware that we did receive a response -- a
12 comprehensive response from Air Force last Thursday,
13 November 10th, on the unresolved RI comments for the
14 PFAS remedial investigation.

15 So, currently, EGLE is reviewing those
16 responses and determining our next steps. I also
17 think this will be something that we'll talk about
18 in our December meeting, as we look at data gaps --
19 the data, data gaps, and potentially next steps with
20 the remedial investigation.

21 I also wanted the RAB to know that
22 some of this data that has been presented here and
23 discussed, and so some of the conclusions that are
24 being made on the interim remedial actions, EGLE
25 hasn't had the opportunity yet to go through the

1 last field season of data. So, we did receive a
2 spreadsheet of a portion of the remedial
3 investigation data, but, really, the next
4 opportunity that we'll have to do that is in
5 December when we meet, and whatever we receive
6 before that meeting.

7 So, we're not necessarily concurring
8 with Air Force's take on this right now, but, we're
9 also not -- we're also not concurring, where we're
10 holding, you know, until we review the data.

11 I did want to remind the RAB that we
12 -- that EGLE did -- in the past, when Mike Neller,
13 our RRD division director came on board, we did
14 write a letter recommending some interim remedial
15 actions at Wurtsmith. One of those was associated
16 with the former wastewater treatment plant. And
17 after we do review the data from this last field
18 season, EGLE will potentially be making another
19 recommendation on interim remedial actions from our
20 perspective. But again, we have to wait and review
21 that data.

22 The other update I had was on the
23 Harrisville tank farm, just that that compliance
24 communication was sent to the -- to the property
25 owner, and I will share that letter with the RAB.

1 Thank you.

2 MR. SUELTFUSS: Thank you, Beth.
3 Mike Munson, let's go to Wurtsmith Airport
4 Authority.

5 MEMBER MUNSON: Thank you. The
6 Airport Authority is getting involved with business
7 opportunities and moving ahead. Say that we're
8 cruising along at high (inaudible). That's it.

9 MR. SUELTFUSS: All right. Thank
10 you. Let's cruise on to Tim Cummings with Oscoda.
11 Go ahead.

12 MEMBER CUMMINGS: So, to follow up on
13 one of the points that Cathy Wusterbarth previously
14 mentioned at the Oscoda Township Board meeting on
15 November 14th, this past Monday, we did vote to
16 authorize Rick Freeman, our Township engineer, to
17 work with ROWE engineering to pursue the RFP for the
18 sliplining.

19 The question of how much sliplining
20 will be -- that will occur in that section of
21 Mission and 8th Street on the old Base is part of
22 the RFP itself, so we don't have a distance known at
23 this point. But to the general point -- although
24 that's progress, the general point is that
25 sliplining has been a question -- or a topic of

1 discussion with the Air Force for roughly four years
2 now, being concerned with storm sewer usage, high
3 volume usage that the storm sewer was never intended
4 for, and this general topic that we showed some
5 progress, we still have more to go.

6 MR. SUELTFUSS: Thank you. Mr.
7 Strayer, did you have any updates?

8 CO-CHAIR HENRY: I had a question.

9 MR. SUELTFUSS: Go ahead.

10 CO-CHAIR HENRY: Thank you. Is the
11 Township in discussion for both sliplining the storm
12 sewer, or maintenance, whatever you want to call it,
13 from the central treatment plant, and also the
14 Mission Drive treatment plant; or is it one or the
15 other?

16 MEMBER CUMMINGS: I cannot answer
17 that. I don't know. That may be a question for
18 Steve. He's actually broached that subject.

19 CO-CHAIR WILLIS: Yeah, so our
20 agreement is that we will slipline the damaged
21 portions of the line that the Mission Street system
22 discharges to, to eliminate the flooding problems
23 and any kind of root intrusion and that type of
24 stuff. We are not planning to do any preventative
25 maintenance in terms of sliplining the whole system

1 when, the last inspection that was done both by the
2 Air Force and by the Township, it doesn't indicate
3 that there's any problems.

4 CO-CHAIR HENRY: For the central
5 treatment --

6 CO-CHAIR WILLIS: For central or for
7 the remaining portions of the Mission Street
8 conveyance line. We'll continue to monitor that,
9 work with the Township in the areas that are
10 identified. In the future, where continual
11 discharge has caused problems, then we'll look at it
12 with them to see what we can do.

13 CO-CHAIR HENRY: Thank you.

14 MR. SUELTFUSS: And Arnie, you had a
15 question?

16 MEMBER LERICHE: Question for EGLE
17 (inaudible) the Air Force, this is Arnie Leriche.

18 Has there been, in recent years, and
19 is there planned to be any sampling of the outlets
20 of those two storm sewer water (inaudible) because
21 there used to be (inaudible) about five years ago.

22 CO-CHAIR WILLIS: Yeah, I believe we
23 do have some sampling of the (inaudible) in the RI,
24 and for the Three Pipes, we're also doing sampling
25 there, which is not discharged from either of those

1 systems, but another discharge off the Base that
2 we're sampling and evaluating.

3 MEMBER LERICHE: Is that routine
4 sampling where (inaudible); or is that just a grab
5 sample?

6 CO-CHAIR WILLIS: At this point, it's
7 a grab sample.

8 MEMBER LERICHE: And does the State
9 (inaudible) know when the last routine sampling
10 might have been done?

11 MS. PLACE: I'd really have to look up
12 when we completed the last sampling of Three Pipes.
13 I do not believe we do that on a routine basis. Is
14 that what you're asking?

15 MEMBER LERICHE: Did Cathy want to say
16 something?

17 MEMBER WUSTERBARTH: The Van Etten
18 Creek out -- effluent also, right, that's --
19 that's --

20 MEMBER LERICHE: It's both.

21 MS. PLACE: Oh, it's both.

22 MEMBER LERICHE: Yeah.

23 MS. PLACE: So, the outflows that are
24 routinely sampled are the ones that the have the
25 discharges from the systems operating at Wurtsmith,

1 but, as far as the other outfalls, I'm not sure if
2 they're routinely sampled. I can check in with our
3 water resources department and get back to you on if
4 they are sampled routinely, but I do not believe
5 Three Pipes is.

6 MEMBER LERICHE: Okay. Because one
7 thing that can happen, because the Township, I don't
8 believe, has an industrial discharge permit
9 requirement by companies on the Base, so there's
10 always a chance, plus flooding that then leads to
11 the level of storm sewers, illegal connections and
12 stuff like that. So, that sampling at the outlet of
13 the treatment plants may not be the whole picture of
14 PFAS.

15 MS. PLACE: So, I want to make sure
16 that I understand. So basically, you want to know
17 when those outflows were last sampled, and then if
18 there is a routine plan in place to sample them?

19 MEMBER LERICHE: Or will there be
20 sampling?

21 MS. PLACE: Okay.

22 MEMBER LERICHE: Thank you.

23 MR. SUELTFUSS: Okay. I apologize,
24 Eric, I got myself confused. Did you have any --

25 MEMBER STRAYER: Yeah, I actually do.

1 My understanding is there's been more money given to
2 the C2R2 grant, which Oscoda received a year ago.
3 Our Township has reapplied to the C2R2 grant, which
4 will provide funds to hook up a couple of the spots
5 that have PFAS indications in wells so they'll be
6 able to be hooked up to municipal water supply.
7 We've reapplied in hopes that the C2R2 grant will
8 come through.

9 The other thing is, we have had -- I
10 have had quite a few comments from residents on the
11 testing -- PFAS testing that's been going on, blood
12 testing, and I do appreciate Au Sable Township being
13 added to the list. That's it.

14 MEMBER WUSTERBARTH: I have a question
15 for --

16 MR. SUELTFUSS: Go ahead, Cathy.

17 MEMBER WUSTERBARTH: -- for Eric. Hi,
18 Eric. Cathy Wusterbarth.

19 The new sewage lines that were placed
20 in Au Sable, those are functional right now; is that
21 right?

22 MEMBER STRAYER: Yes.

23 MEMBER WUSTERBARTH: And about when
24 did that system start up, or when did those new
25 lines start up?

1 MEMBER STRAYER: It started up in
2 phases. The first phase was -- which was a section
3 from Johnson Road north started, actually, last
4 December -- at the end of last December. The other
5 phases, I believe, started up about the same time,
6 which I believe was the end of September.

7 MEMBER WUSTERBARTH: Okay. And the
8 reason that I ask is that that increased volume
9 going into the wastewater treatment plant that is on
10 the former Base is impacting -- as Mark explained to
11 ups in his presentations to all of us, that it's
12 impacting that -- that plume that's near that
13 wastewater treatment plant. So, I just wanted to
14 make sure that that was on the record of when those
15 started. So, thanks.

16 MEMBER STRAYER: Oh, you're welcome.

17 MR. SUELTFUSS: Okay. If we could,
18 let's move to that next slide, so we're in the RAB
19 business portion of the agenda. We want to start
20 off -- if we could move to the next slide -- with
21 action items.

22 So, just for awareness, the Co-Chairs
23 have a standard practice by which they meet
24 approximately every two weeks -- or approximately
25 two weeks after each RAB meeting. So, the Co-Chairs

1 met following our last RAB meeting, reviewed action
2 items. I sent out the latest copy of the action
3 item tracker to all the RAB members prior to the
4 meeting tonight.

5 There were three action items that
6 were closed since our last RAB meeting, and four
7 action items were established as a result of our
8 discussions during the last RAB meeting. We have a
9 total of 12 action items that are either open or
10 ongoing at the moment, and the plan is for the
11 Co-Chairs to meet again following this meeting -- I
12 think December 12th is what we put on the
13 calendar -- to review action items and just any
14 other topics of discussion as well. So, that's a
15 brief update there.

16 Let me roll into the Community
17 Co-Chair --

18 MEMBER WUSTERBARTH: Tim, I'm sorry, I
19 have a question about the action items, if I could.

20 MR. SUELTFUSS: Yes, go ahead.

21 MEMBER WUSTERBARTH: Okay. I -- the
22 action items are not included in the RAB packet,
23 right, you know, the presentation, but, they really
24 are the items that are of concern for the RAB
25 members. You know, we submit these -- like, you

1 know, as an example, someone said if we'd like to
2 have that be an action item, and that's what gets
3 added to this list that -- that Tim is referring to.

4 I would like to see maybe those items
5 somehow be highlighted in a way -- I mean, this -- I
6 understand you're saying there's three closed items
7 and that sort of thing, but, as a reminder for us
8 who write things on the list, or suggested things
9 for the list, if we could just reflect a little bit
10 during the RAB meeting on what those items are.

11 MR. SUELTFUSS: Okay.

12 MEMBER WUSTERBARTH: And I'm ready to
13 do that right now. For the three closed items, if I
14 could mention, that the chart that's going to be on
15 this -- in the next few slides -- what kind of chart
16 is that called?

17 CO-CHAIR HENRY: Gantt.

18 MEMBER WUSTERBARTH: A Gantt chart is
19 very helpful. So, that was an item that Mark had
20 requested, and so that item is closed.

21 The technical meeting that we
22 requested was an action item, and that's another one
23 that was closed.

24 And then the question about the
25 ability of the Air Force to give us a budget for

1 these projects, those items were closed, because
2 it's -- they're available somewhere.

3 So, those -- those were the three
4 items that were closed. I would request that --
5 that the -- oh, gosh -- the comments and resolutions
6 in the action item spreadsheet, if that could get
7 expanded. Right now, there's -- it's -- there's
8 very minimal information in there. If we could --
9 if we could add some more information in that so it
10 was a little more descriptive, that would be great.

11 Let's see. Did I have another one?
12 Oh, yes.

13 There were two action items, 92 and
14 98, those were ones that I submitted, but, I'd like
15 to clarify that the -- this -- the one that was
16 submitted, number 98 for May 18th, it says, "Respond
17 to the letter that NOW (Need Our Water) sent to the
18 Air Force in November." That's actually a repeat of
19 item 92.

20 So, we -- it's the NOW report that
21 we're being -- that I'm asking for a response on.
22 So, you can eliminate 98.

23 MR. SUELTFUSS: Okay. Well, thank
24 you.

25 MEMBER WUSTERBARTH: All right. Yes.

1 Thank you.

2 MR. SUELTENFUSS: I appreciate that,
3 Cathy.

4 Let's also talk about the Community
5 Co-Chair election. So, this is one that we've
6 discussed before. Just a few notes.

7 So, Mark Henry's term as Community RAB
8 member is ongoing until the 11th of September
9 of 2023, but his term as Community Co-Chair has
10 expired. The Community Co-Chair term is a one-year
11 term.

12 Operating procedures section 2.3.1
13 says the RAB Community Co-Chair shall be selected by
14 majority vote of Community members. The Board
15 Community Co-Chair shall serve a 12-month term.
16 Community Co-Chair may serve two or more terms if
17 approved by the Board Community members.

18 So, I contacted all of the Community
19 RAB members on the 13th of September to see if they
20 were interested in running for that open position.
21 Only Mark expressed interest in doing that, so thank
22 you, Mark, for your willingness to serve.

23 Let me just check in right now with
24 those Community RAB members who are here present
25 tonight. Is there any Community RAB member who

1 would like to be considered for the Community
2 Co-Chair position, other than Mark Henry, who is
3 already interested? If so, just please raise your
4 hand.

5 Okay. Seeing no hands raised, then
6 we'll now do the simplest of simple votes. So,
7 Community RAB members, in front of you, you have a
8 ballot. As a reminder, this vote is only open to
9 the Community RAB members and not the Government RAB
10 members. And Community RAB members, please use that
11 paper ballot. If you would like to support Mark's
12 candidacy to continue as our Community Co-Chair,
13 please just indicate with an X. If you would like
14 to write in a name, then you may do that, provided
15 that they are an existing Community RAB member who
16 has expressed interest in serving, and there is no
17 (inaudible). So (inaudible) those here (inaudible)
18 reveal at the results party later.

19 Okay. So, that takes us through RAB
20 business. Let me just turn to the Co-Chairs.
21 Co-Chairs, any further RAB business that you would
22 like to discuss?

23 CO-CHAIR WILLIS: I don't have
24 anything.

25 CO-CHAIR HENRY: I do not either.

1 MR. SUELTFUSS: Okay. All right.
2 So, let's move to slide 18, if we could. We'll now
3 move into the first Air Force technical
4 presentation, the remedial investigation/interim
5 remedial actions update with Ms. Paula Bond of
6 Aerostar. So, Paula.

7 MS. BOND: Can you guys hear me? Not
8 really?

9 CO-CHAIR WILLIS: Try again.

10 MS. BOND: Is it on now? Okay.
11 Sorry. All right. Steve, you want to -- okay. If
12 you want to go to the next slide.

13 So, this is a slide that we added to
14 the presentation a couple of RABs ago just to kind
15 of give everybody an update on what the CERCLA
16 process is. And Steve went over this already a
17 little bit, so I'm not going to spend a lot of time
18 on this. But it just kind of goes through the full
19 CERCLA process and then where we are currently,
20 beginning with the site identification and initial
21 sampling. That's already been completed in the
22 PASI.

23 Now, we are in the remedial
24 investigation of the detailed study phase of the
25 project, and the RI began in July 2021. Once the RI

1 is complete, we'll move into the feasibility study,
2 which evaluates alternatives based on
3 recommendations made in remedial investigation. And
4 then, we will move through to the proposed plan and
5 record of decision, which are the decision documents
6 for the remedies that are evaluated in the
7 feasibility study.

8 And then, we'll move on through site
9 cleanup, and then the site cleanup process --
10 progress evaluations with the remedial actions and
11 the long-term monitoring. We've kind of already
12 been through this process a couple of times now with
13 the IRAs in an expedited fashion, but, we still had
14 to go through the PPROD remedial design, remedial
15 action operation, and now we're in the monitoring
16 phase of those IRAs. So, we've already done that a
17 couple of times, but just to kind of refresh
18 everybody's memory.

19 Next slide, piece. Sorry.

20 MEMBER LERICHE: Before you -- quick
21 question. Can either Paula or Steve indicate where
22 in this process there's official public comment
23 review and comment, that's part A. And number two,
24 future slides, if you could put an asteric with that
25 sub-comment in there for all of the whole CERCLA

1 process, I think the public would benefit greatly to
2 know when that is in the process.

3 MS. BOND: Sure. Under CERCLA, the
4 primary community involvement comes under the
5 proposed plan. In the public meetings that we
6 usually have for the proposed plan, there's a 30-day
7 comment on that. That is the formal community
8 involvement process in CERCLA. We don't typically
9 do that with any of the other -- other processes
10 that we go through. And then the comments that are
11 received on the proposed plan are responded to in
12 the remedial decision. So, that's where your
13 comments get responded to, in that part of the
14 phase. But that's the -- under CERCLA, those are
15 the primary community involvement. Of course, the
16 RABs are also part of that process to support
17 community involvement, but with documents themselves
18 (inaudible).

19 MR. SUELTFUSS: And we'll turn to
20 Steven Willis. Were you going to make a comment?

21 CO-CHAIR WILLIS: No.

22 MR. SUELTFUSS: Okay. Mark?

23 CO-CHAIR HENRY: The long-term
24 monitoring of the IRAs, where is that -- where is
25 there a document that I can find that describes the

1 frequency of your sampling, indicates where the
2 sampling points are, et cetera, et cetera?

3 MS. BOND: So, there is, for the
4 long-term monitoring of the IRAs, a preliminary
5 opening (inaudible) is in the remedial action work
6 plans, which are on the AOR. So, those have now
7 (inaudible) we've sampled the extraction wells,
8 we've installed our performance monitoring wells, so
9 those will then be added into others (inaudible)
10 that we're working on right now that's under Air
11 Force review. So, that additional information will
12 be (inaudible) but you can look at the remedial
13 action work plans.

14 CO-CHAIR HENRY: Okay. Thank you.

15 MS. BOND: Yeah, Dave?

16 MEMBER WINN: You mentioned a few
17 weeks ago that once you get through the concept
18 phase then you really (inaudible) approval process
19 (inaudible) in our technical review meeting that we
20 had on October 26th and 27th stated (inaudible) the
21 addendum comes out for the RI for the east side of
22 the lake, the public is going to get (inaudible).
23 Is that true or not true?

24 CO-CHAIR WILLIS: Yes, that is true
25 for the RI work plans, that we will provide those

1 for concurrent review when they go to EGLE.

2 MEMBER WINN: So, the public will
3 (inaudible).

4 MS. BOND: Right, yeah.

5 MR. SUELTFUSS: Okay. And just
6 circling back to Arnie's point, Arnie, I think one
7 of the points you were making was that in -- in
8 documents displaying the CERCLA process, it would be
9 helpful to indicate those opportunities for public
10 comment and involvement, correct?

11 MEMBER LERICHE: Right.

12 MR. SUELTFUSS: Okay. So --

13 MEMBER LERICHE: And the only other
14 question that I had to that is, the five-year plans,
15 that's just -- you publish it and there's no public
16 opportunity for comment?

17 CO-CHAIR WILLIS: Correct.

18 MS. BOND: Let me back up. On
19 five-year reviews, there is an announcement that's
20 placed in the paper, so the public is offered the
21 opportunity to go to the AR and look at information
22 for the five-year reviews. And then once that
23 five-year review is closed out, there's another
24 notice that's placed. There can be, if there is
25 needed, a public meeting for that five-year review.

1 But I don't have that listed on here. That's part
2 of the long-term management. I didn't have
3 five-year reviews on here, but, there are some
4 community involvement things associated with the
5 five-year review.

6 MR. SUELTFUSS: And just for
7 awareness also, I mentioned that the Co-Chairs get
8 together after the RAB meetings, I pull together a
9 summary of that meeting. Steven sent that summary
10 of the recent meeting out. And so one of the topics
11 that's been discussed is the idea of coming up with
12 a meeting standards document, and something like
13 that suggestion would, I think, tie in very -- very
14 nicely with the meeting standards, kind of how we
15 run these RAB meetings. So, I've taken notes to
16 suggest incorporation of that.

17 Let's go ahead and turn to Paula. And
18 if you have crucial questions related to a specific
19 slide, we can pause and address those. If you have
20 something more over overarching, let's get through
21 this presentation, then we'll take questions.

22 MS. BOND: So, next slide. So, this
23 is the PFAS RI progress that we've had -- this slide
24 here -- since we started the RI. This just kind of
25 gives everybody an update on where we are in the RI

1 process. And the blue is complete and gray is
2 ongoing, so you can see the field data collection is
3 gray. So, that is ongoing. We're not complete with
4 that portion yet. So, that's kind of where we are
5 with the RI.

6 Next slide.

7 And this slide is the same concept,
8 but for the two IRAs that were -- we were working
9 on. So, as you can see, all of these are blue and
10 complete. So, both IRAs at FT002 at Clark's Marsh
11 and at Van Etten Lake at Ken Ratliff Memorial Park.
12 Both of those are now complete. Both of those
13 systems are up and running.

14 Next slide, please.

15 So, just a quick update on the RI. No
16 new RI data has been collected since the last RAB
17 meeting, so we don't have any additional data to
18 present or talk about. The data that we had
19 collected was put together in a presentation, and
20 that was presented to the public in a technical
21 workshop on October the 22nd. We're going to
22 continue the field investigation for the RI this
23 spring, and it will include areas to the east of Van
24 Etten Lake for PFAS impacts that may be attributable
25 to the former Wurtsmith Air Force Base. Sorry.

1 We are going to do an SPP, or
2 systematic progress planning meeting with EGLE in
3 December to go over all of the data that we've
4 collected in the RI, present to them, discuss our
5 next steps and path forward based on the data that
6 we have collected.

7 One thing to note is the data that we
8 have collected so far to date has not materially
9 changed the CSM, and this information, like I said,
10 was presented in the technical workshop a couple of
11 weeks ago. So, it really kind of affirmed the CSM
12 that we had before. Nothing really significantly
13 has changed anything there.

14 And then just to add, the risk
15 assessment begins when RI data collection is
16 complete. I know there's been a couple of questions
17 on the risk assessment, but, we have to collect all
18 of the data in the RI before that process actually
19 takes place.

20 MR. SUELTFUSS: (Inaudible) go
21 ahead.

22 MEMBER WINN: Paula, you put under
23 data (inaudible) material change CSM?

24 MS. BOND: Correct.

25 MEMBER WINN: And that CSM was

1 initially put together based on data from the State,
2 and we were told that there was not enough RI data.
3 So now that you guys have the RI data, it should
4 change the status of the (inaudible). So, how can
5 it not --

6 MS. BOND: Not necessarily. So, when
7 we developed the initial CSM that was presented in
8 the work plan, so, that was based on EGLE data, that
9 was based on data that the Air Force collected
10 during the SI and the ESI. So what we -- our
11 assumptions that we had made for that CSM, the data
12 that we have collected so far really just backs up
13 those assumptions.

14 We're not saying there's not still
15 data gaps left and we have to fill those, but, we
16 didn't -- we haven't found anything that materially
17 changes the CSM, that the groundwater plume is
18 moving to the left when we thought it was moving to
19 the right, or it's going in a different direction.
20 There's faded transport components that are
21 different than what we had assumed when we did the
22 initial CSM.

23 So, there's different -- the plume is
24 bigger. We know that. But that's not really a
25 material change to the CSM. So, we're still

1 tracking that out, but the subsurface information
2 that we had, the data that we've collected supports
3 the CSM. So, it's added to, but it hasn't really
4 materially changed the CSM, if that makes sense.

5 MEMBER WINN: Can we (inaudible)
6 doesn't make sense.

7 MR. SUELTFUSS: Steven?

8 CO-CHAIR WILLIS: I was just going to
9 say, we haven't collected any new information that
10 changes our understanding of the geology in the
11 area.

12 MS. BOND: Right.

13 MEMBER WINN: (Inaudible).

14 MS. BOND: I'm sorry. I did a poor
15 job of explaining that.

16 MR. SUELTFUSS: Arnie, question?

17 MEMBER LERICHE: That SPP, what does
18 it stand for again, that --

19 MS. BOND: Systematic project
20 planning.

21 MEMBER LERICHE: Okay. So, I assume
22 that that meeting will include the bullet before
23 that, which is the Van Etten Lake on the other side
24 of the lake?

25 MS. BOND: Correct.

1 MEMBER LERICHE: Okay.

2 CO-CHAIR WILLIS: That's the meeting
3 where we talked about meeting with EGLE to go
4 through all of the data and plan next year's field
5 activities.

6 MEMBER LERICHE: Okay. That
7 scheduling of that meeting, how does it relate to
8 our next RAB meeting, which would be -- February?

9 UNKNOWN SPEAKER: It's February.
10 Yeah, February.

11 MS. BOND: Uh-huh. So --

12 MEMBER LERICHE: It will be before the
13 RAB meeting, or --

14 MS. BOND: Yeah, this is in December.
15 The SPP meeting is scheduled for December the 6th
16 and the 7th.

17 MEMBER LERICHE: Got you. And will we
18 have -- after that meeting, how soon would the RAB
19 have technical or some view of that sampling map,
20 and that was decided -- or needs to be (inaudible).

21 CO-CHAIR WILLIS: We would not,
22 probably, have anything that we could present to the
23 RAB probably until the next RAB meeting. Because
24 anything we put together, remember, we've got, you
25 know, Thanksgiving and Christmas holidays coming up.

1 You know, contractor is going to have to put
2 together that work plan addendum, the Air Force is
3 going to have to review it before we have it ready
4 to send out for EGLE and public comment.

5 So, it's going to be at least the next
6 RAB meeting before we have that available, probably
7 later than that. Not to say at the next RAB, we
8 couldn't talk about what we're planning, but, it --
9 at that point, you know, it wouldn't have been
10 vetted through EGLE or the public, so --

11 MEMBER LERICHE: Do you have any -- I
12 hate to be a negative slant to this question, but,
13 do you have any major contract changes or
14 negotiations potential in this period of going to
15 the end of the RI?

16 CO-CHAIR WILLIS: No. That's actually
17 -- I was talking with some people before the
18 meeting. I think maybe there was a misconception on
19 the roles of the team for Wurtsmith moving forward.

20 This is the last meeting that Aerostar
21 is hosting under their contract, but Aerostar is not
22 going away. They still -- they still got to finish
23 the RI, so they will continue to support RAB
24 meetings, but, they won't be the host. They'll just
25 be providing updates on the work that they're doing.

1 Our contractor, WSP, is teamed with
2 Lota and CTI. They're under our BECOS contract
3 doing all the O and M work for all the treatment
4 systems at Wurtsmith, and their contract is going to
5 pick up responsibility for hosting the RAB meetings
6 beginning in February. So, you'll see a new team
7 hosting meetings going forward. And their contract
8 runs for another -- I believe it's almost eight
9 years. So, they'll be around for quite a while.

10 We have our two local on site Cherokee
11 Nation contract support person -- personnel, Andrea
12 and Ryan, who I'm sure most of you have seen in the
13 local area for years. They've worked for Legacy
14 contractors on various phases of work out here, but,
15 they're now under a direct support contract at
16 AFCAT. So, they are the Air Force's eyes and ears
17 on the ground here.

18 So, I know the FND report was provided
19 to Ryan with the hope that he would share it with
20 the Air Force. Yes, they work for the Air Force,
21 they are our extension here on the ground, so we're
22 in daily communication with them on stuff. So,
23 they're a conduit to us if you've got information.
24 You know, if there's something out on the site, we
25 work fairly frequently with the airport in their

1 redevelopment activities.

2 You know, if there's a concern in the
3 local area, you need somebody to look at it, you can
4 reach out to Ryan and Andrea and have them come out
5 and look at it, take pictures, talk with us, and we
6 can work through, you know, what activities we can
7 take to address a concern. So, there is not going
8 to be a change in the team supporting Wurtsmith.

9 MEMBER LERICHE: Okay. But that new
10 contractor, WSP, ATI, something or other --

11 CO-CHAIR WILLIS: And they're
12 actually --

13 MEMBER LERICHE: -- does that include
14 the facilitator --

15 CO-CHAIR WILLIS: Yes. Yes.

16 MEMBER LERICHE: So, that will
17 continue; or that is a new contract (inaudible).

18 CO-CHAIR WILLIS: It's a new contract,
19 but it's not going to change the team. WSP has
20 already contracted with Galen Driscoll to retain Tim
21 as our facilitator, so there won't be a change
22 there.

23 MEMBER LERICHE: Thank you. No New
24 Year's Eve surprises then?

25 CO-CHAIR WILLIS: Nope. Nope.

1 MEMBER LERICHE: Okay.

2 CO-CHAIR WILLIS: And WSP has actually
3 been doing work at Wurtsmith for about a year --
4 almost a year and a half now. They briefed on the
5 BECOS contract when it started, they've done at
6 least one update since then, so, you know, they're
7 not a new team member by any means.

8 MEMBER LERICHE: Okay.

9 MR. SUELTFUSS: Thanks, Arnie. To
10 Paula.

11 MS. BOND: Next slide, please.

12 So, I'll give you a quick update on
13 the IRAs. First, we'll start with FT002 at Clark's
14 Marsh. As I briefed at the last RAB, this treatment
15 system was started up in August, and it's been
16 running since that time. We did do a tour of the
17 treatment system when we did the technical workshop.
18 This was done on the October 26th.

19 The treatment system is currently
20 treating around 387 gallons per minute, or around
21 550,000 gallons per day. Just some information
22 there just (inaudible) but we've already briefed
23 this.

24 Next slide, please.

25 What's new since the last RAB is we've

1 gotten the Van Etten Lake at Ken Ratliff Memorial
2 Park IRA up and running. That started in October,
3 it's been running continuously since then. That
4 treatment system combined is treating around 590
5 gallons per minute, so around 700,000 gallons per
6 day. So, that is also some great news. So, that
7 system -- that new site is up and running. And this
8 was also included in the tour that we did on the
9 26th.

10 Some new information -- Steve has
11 mentioned this a little bit, and I think he
12 mentioned it at the last RAB, too, there is a new
13 IRA that's going to be undertaken, and a pilot
14 study. And we just have kind of a figure here just
15 to kind of orient everybody. I know it's hard to
16 see on the slide. The new IRA will be taking place
17 up at the alert aircraft area to the northeast where
18 that plume is there. And then the pilot study will
19 be taking place down at Three Pipes Ditch down to
20 the southwest there.

21 Next slide, please.

22 So, the purpose of the new IRA is
23 similar to the IRAs that we've already done. It's
24 to hydraulically control the highest concentrations
25 of PFAS moving toward -- migrating toward Van Etten

1 Lake. And we're going to be using, again, pump and
2 treat, regular activated (inaudible) similar to the
3 IRAs (inaudible). The initial treatment draining
4 capacity will be up to 500 gallons per minute, and
5 it will allow for future expansion.

6 This treatment -- this new IRA will be
7 very similar to the existing central treatment
8 system. When that system was built with the larger
9 building, it had room for expansion on the other
10 side, and that's what we're now pumping water from
11 the Van Etten Lake/Ken Ratliff Memorial Park area.
12 So, that has been put into the new CTS. So, this
13 will be almost an identical system to what is
14 already out there at CTS, it will just be up to the
15 alert aircraft area.

16 The plan is to treat the water, like I
17 said, with gap, and then that will be returned to
18 the aquifer via infiltration. And that, again, is
19 pending discussions with EGLE, similar to what we're
20 doing with FT002.

21 MEMBER LERICHE: Question.

22 MS. BOND: Yes?

23 MEMBER LERICHE: So, the infiltration
24 trenches will be downstream from the intake just
25 like FT002, correct?

1 MS. BOND: Yeah, that is the current
2 plan. I do want to caveat this that these plans are
3 still -- they haven't been final design yet, so they
4 are still in the conceptual phase, but, that is the
5 plan currently, but that could change, so --

6 MEMBER LERICHE: Has there been any --

7 MR. SUELTFUSS: That last question
8 was from Arnie Leriche, Community RAB member. Go
9 ahead, Arnie.

10 MEMBER LERICHE: Okay. Has there ever
11 been a discussion about a potential for a high
12 contraction plume to put the infiltration upstream
13 from the intake so you've got a recycling --

14 MS. BOND: Absolutely, yeah. We have
15 looked at that to try to do -- I mean, we've looked
16 at it both ways. And we have done a lot of
17 groundwater modeling runs to look at different ways
18 of doing that, and then at the alert aircraft area.

19 So like I said, we're still in the
20 planning phase for this IRA, so I don't want to go
21 into a whole lot of detail, because it's just --
22 nothing has been finalized yet. But we have looked
23 at that to do a recirculation, absolutely, yeah.

24 MEMBER LERICHE: Yeah. And if you've
25 looked at other Bases, if you could just share that

1 with us, that'd be great.

2 MS. BOND: Okay.

3 MEMBER LERICHE: Thank you.

4 MS. BOND: Yes, Mark?

5 CO-CHAIR HENRY: So, could you please
6 put up the map that shows the (inaudible). It looks
7 like this plume has moved off Base over here. And
8 actually, I don't know which compound is being shown
9 here, but, there's a whole other lobe of this plume
10 that's off in this direction.

11 MS. BOND: Right. Right. And
12 there --

13 CO-CHAIR HENRY: (Inaudible) point.

14 MS. BOND: Right.

15 CO-CHAIR HENRY: Are you going to
16 install the extraction system on the Base and let
17 whatever is beyond the capture of that bent into the
18 lake; or are you going to be working near the lake,
19 and capture as much as you can, and prevent it from
20 going into the lake?

21 MS. BOND: So the plan, currently, for
22 this IRA is to install the extraction wells on the
23 airport property. And the reason for that is, once
24 you go across, this is all private property on other
25 side, which presents challenges for installing

1 extraction wells, piping, and all of that across the
2 way. So, we are going to plan to stay on airport
3 property for the extraction wells, but get as close
4 to, as we can, F41 over there by the fence.

5 So, that is plan to do that. But we
6 really think it -- logistically, it's going to be a
7 lot simpler to stay on Base than try to do that off
8 Base. Yeah.

9 CO-CHAIR HENRY: Are you going to try
10 to capture both plumes, or just that one?

11 MS. BOND: Just this one. And that's
12 why this is drawn this way, is this is just the --
13 this is the area that we'll be looking at.

14 CO-CHAIR HENRY: Thank you.

15 MR. SUELTFUSS: Thank you, Mark.

16 MS. BOND: All right.

17 MR. SUELTFUSS: Paula?

18 MS. BOND: Next slide. Okay.

19 So, quickly, a brief on the pilot
20 study at Three Pipes Ditch. Again, this is in the
21 same phase as the IRA. This is still conceptual.
22 The plans have not been finalized for this yet. But
23 the purpose will be to evaluate the effectiveness of
24 an organoclay material to sort PFAS in surface water
25 and groundwater. And then -- so we are looking at

1 the effectiveness of that.

2 So, with the pilot study, we're not
3 actually treating, we are not cleaning up, we are
4 evaluating that technology for its effectiveness.
5 So, does it work? Can we use it at other places if
6 it does? Maybe it doesn't work. So, the answer
7 coming out of a pilot study can be that this didn't
8 work. We hope that's not the case, but, the goal --
9 the purpose of this, I want to make really clear, is
10 we're not treating or cleaning up, we're evaluating
11 that technology for future applications on site.

12 But we're looking at organoclays and
13 we're looking at sorbent mats to evaluate PFAS
14 removal in groundwater, and that is where
15 groundwater is coming into the ditch. So, mats will
16 be laid in the base of the ditch. As the
17 groundwater comes up, it will go through that to
18 absorb a little bit of those clays.

19 And then, we're also looking at a
20 flow-through barrier for the surface water to flow
21 through in the ditch. So, that will capture the
22 surface water. So again, just looking at the
23 application, do those applications -- are they
24 effective, and is the material effective here? Yes?

25 MR. SUELTFUSS: Mark?

1 CO-CHAIR HENRY: Can you please show
2 the Base map again?

3 In this ditch along here, the Three
4 Pipes Ditch, it is a gaining flow of water -- I'm
5 not going to follow the stream, but, it's gaining
6 over the majority of its course. It only really
7 starts not gaining about right there. At least,
8 I've looked at that ditch extensively in the past.

9 MS. BOND: Yeah.

10 CO-CHAIR HENRY: Would you anticipate
11 that if this -- these flow-through clay mats that
12 would be treating venting groundwater are effective,
13 that you would then implement those over the course
14 of that ditch where the groundwater is venting; and
15 if so, are you going to be delegating, during the
16 RI, that portion of the ditch that is venting
17 groundwater?

18 MS. BOND: Okay. So, multiple
19 questions. So, I'll start first. So, it's too soon
20 to tell what we can do with that information, right,
21 so if it works, it could possibly be deployed -- you
22 know, that's something that's a future decision that
23 needs to be made. So, I can't really answer that
24 question.

25 CO-CHAIR WILLIS: Okay. And that will

1 be evaluated in the feasibility study?

2 MS. BOND: Right. So, as far as
3 looking at those areas where it is venting, we are
4 looking at that with the RI, is to try to identify
5 those areas where it is coming up. We've got some
6 monitoring wells over there now, we're looking at
7 some additional (inaudible) to see where that
8 venting may be occurring over there. So yes, we are
9 looking at that.

10 CO-CHAIR HENRY: Thank you.

11 CO-CHAIR WILLIS: We hope that the
12 pilot study will demonstrate effectiveness, and we
13 may be able to take that technology and apply it
14 somewhere in Clark's Marsh, so, you know, it's data
15 we're very interested in gathering and seeing
16 whether it's effective.

17 MR. SUELTFUSS: Thanks, Steven.

18 MEMBER WINN: I've got a question.

19 MS. BOND: Yes?

20 MR. SUELTFUSS: Go ahead.

21 MEMBER WINN: Paula, the question I
22 have is that you just mentioned this pilot study is
23 not -- is to research technology (inaudible)
24 technology versus using it as an IRA.

25 MS. BOND: Right. Right.

1 MEMBER WINN: As I understand --
2 correct me if I'm wrong -- but there's a vast amount
3 of four-foot pipe in at area that's releasing a lot
4 of discharge, and it's heading down towards the Au
5 Sable River, right?

6 MS. BOND: Yeah.

7 MEMBER WINN: Okay. So, nothing -- so
8 this pilot study is nothing more than -- it's not an
9 IRA, it's not going to fix that problem, it's going
10 to basically (inaudible).

11 MS. BOND: Right. It's not going to
12 affect the discharge that's coming down the storm
13 water that's discharging into Three Pipes. It's not
14 going to address that. Yes, Mark?

15 CO-CHAIR HENRY: But it could. The
16 water that's coming from the flight line that's
17 coming out of that four-foot pipe is immediately
18 directed into an oil water separator, there's an
19 outflow from that.

20 MS. BOND: Right.

21 CO-CHAIR HENRY: And you said that
22 part of the -- the potential use of these clay mats
23 is as a filter, if you will, for water to go
24 through. So, the water that's coming out of that
25 oil water separator could be, actually, very easily

1 directed through those mats, such that once it's
2 passed through those mats and there's the ditch, it
3 would be much cleaner than it started.

4 MS. BOND: Right. So we -- we looked
5 at doing work at the oil water separator outfall.
6 We've looked at doing things more closer down to the
7 river to try to capture more of the groundwater and
8 the surface water before it goes (inaudible) because
9 we know that (inaudible). We've looked at all of
10 those scenarios. And for the pilot study, we've
11 identified a stretch -- because again, you have to
12 think about contact time with these materials. So,
13 we found a stretch that's long enough, that's
14 straight enough where we don't have to do a whole
15 lot of manipulation to put the clay mats in and to
16 do the barriers.

17 When we looked closer down to the
18 river, you could see, when you walked down there,
19 there's a lot of debris that gets washed down. And
20 if you're putting in -- I'm just -- this is not the
21 way this (inaudible) is described, it's -- you know,
22 somebody called it putting tea bags in the material,
23 you know, across. But with all the debris,
24 everything comes down, those can get clogged. They
25 can back up the ditch, they can alter the flow. It

1 just makes it very difficult to maintain and get
2 your flow-through and keep the water from moving
3 around.

4 So, we looked at both of those, but,
5 we settled on, like I said, an area that's kind of,
6 really, upstream from the Au Sable River kind of
7 almost half in the middle there, that it's
8 (inaudible), we can get access to it without having
9 to -- there's a trail already down there -- not
10 having to go through a bunch of steps.

11 So we looked at all those options, and
12 we kind of settled on this area again. I won't say
13 "settled", because nothing is done until it's
14 designed.

15 So, it's still in the conceptual
16 phase, but that's kind of what we're looking at
17 right now. That was one of the reasons we did move
18 up there, was because of the work that we have to do
19 in that area, and then the link that would have to
20 come down to get the contact (inaudible) that we
21 needed with that, so -- but we're still looking at
22 that.

23 MR. SUELTFUSS: Let's go to David
24 Winn real quick and then to Tim Cummings. Go ahead,
25 Dave.

1 MEMBER WINN: So, this isn't going to
2 do anything to eliminate or restrict any discharge
3 going out of the Three Pipes Ditch to Au Sable
4 River, correct?

5 MS. BOND: Well, it will. So, when
6 you put the flow-through that we were talking about,
7 it will go across. So, where that is in the ditch
8 there, anything that's upstream of that will come
9 down through that area. Anything that's downstream
10 of that, it will not. So it will treat, even though
11 that's not the goal, is to treat that discharge. It
12 will, just by evaluating the technology treatment
13 that's going to go through that --

14 MR. SUELTFUSS: So, let me just go
15 to Tim Cummings real quick and then to Mark. Go
16 ahead, Tim Cummings.

17 MEMBER CUMMINGS: Yeah, thank you,
18 sir. It's two, but I think short answers.

19 The question -- first one here is,
20 what is the water through put rate for organoclay?
21 Are you looking at gallons per hour, or is it
22 seepage?

23 MS. BOND: I don't have those numbers
24 for you. I could get them for you.

25 MEMBER CUMMINGS: No worries.

1 MS. BOND: Sorry.

2 MEMBER CUMMINGS: That's okay. That's
3 okay. I'm just trying to get a concept of
4 understanding of what's the ordinance of magnitude
5 of flow that we're talking about here; are we
6 talking about drops or gallons or --

7 MS. BOND: No, it's gallons.

8 MEMBER PALMER: It's significant,
9 yeah.

10 MS. BOND: Yeah. Because remember,
11 we're not cutting off the flow. We are just flowing
12 the water through, so --

13 CO-CHAIR WILLIS: We're basically
14 putting filters in the stream to try to pull up the
15 PFAS.

16 MS. BOND: Yeah. And (inaudible)
17 gravel, so you can get more flow through there. So,
18 it's not just a solid barrier. It will still be
19 gallons per minute so that we don't restrict the
20 flow.

21 MEMBER CUMMINGS: But the reason for
22 my question was that it -- you were saying that
23 (inaudible) about potentially restricting the flow,
24 causing the water to reroute, at which point then,
25 it became a concern about what's the flow rate in

1 this solution. So, that's why --

2 MS. BOND: Yeah.

3 MEMBER CUMMINGS: The second question
4 was -- what was my second question? The second
5 question, I wondered about -- I forgot it. I'm
6 sorry.

7 MS. BOND: We'll come back.

8 MR. SUELTFUSS: Mr. Mark Henry real
9 quick. Go ahead, Mark.

10 CO-CHAIR HENRY: Correct me if I'm
11 wrong, but, Tucker Swamp is just across the Three
12 Pipes Ditch. And in my understanding of groundwater
13 flow in that area, there's a certain amount of
14 groundwater that's discharging to the creek -- or to
15 Three Pipes Ditch, the creek performs in there, and
16 there's also a certain amount that underflows that
17 ditch and actually goes through the swamp on its way
18 to the Au Sable River. I did not see anywhere
19 within the work plan where Tucker Swamp is being
20 investigated, for one thing.

21 But the root of my question is, if
22 these maps are laying down -- let's say we have a
23 full implementation of those, the soils that this
24 ditch were dug in, are -- is the aquifer material at
25 Wurtsmith, which is very transmissive. If you lay

1 anything on there that brings that hydraulic
2 conductivity from, say, 10 to the minus 1 to 10 to
3 the minus 3, the underflow of that ditch increases
4 dramatically, and the PFAS -- the, probably, PFOA,
5 because that seems to be the largest mass of stuff
6 there -- that that would not necessarily go through
7 the mats, and it may just take a course underneath
8 it and join the rest of the groundwater going into
9 Tucker Swamp.

10 MS. BOND: Well -- and that's part of
11 the evaluation.

12 CO-CHAIR HENRY: I get that.

13 MS. BOND: All right. So, those are
14 things that we don't have the answers to, and that's
15 what the pilot study is for.

16 CO-CHAIR HENRY: Well, it would be
17 very good to be able to evaluate the flux that is
18 underflowing that ditch and figure out, somehow, to
19 evaluate that after the pads are in there, to see if
20 you are actually forcing more mass out into the
21 swamp by laying an impediment on the ditch surface.

22 MS. BOND: Yeah. So as part of the
23 pilot study, I know we have some work to do down
24 there before we get this in. I know we're going to
25 install some (inaudible) on both sides, and we're

1 going to install some flow meters, we're installing
2 some other equipment down there. So, you know,
3 again, all of that is part of the pilot study to get
4 the answers that we need. So -- but good
5 information. Thank you.

6 CO-CHAIR HENRY: Okay.

7 MR. SUELTFUSS: While I'm trying to
8 (inaudible), we'll turn to Tim Cummings.

9 MEMBER CUMMINGS: Because he
10 remembered his second question.

11 And so what do we know about the
12 removal of the organoclay when it becomes saturated
13 with whatever you're filtering, and therefore, I
14 would imagine its absorption through it would be
15 reduced. So, how do you get it out?

16 MS. BOND: So, it's -- it has a
17 geotextile fabric on the top and the bottom, so
18 they'll just be taken out. And then the bags, or
19 the flow-through barrier, the same thing. They're
20 within the geotextile fabric, so they will just be
21 removed.

22 MEMBER CUMMINGS: I see. So, it's
23 relatively easy, not disturbing a lot of the
24 groundwater?

25 MS. BOND: Yeah. Well, again, that's

1 why we selected the location that we did so we can
2 easily get in there to do it. I mean, we expect
3 that, you know, there could be a major storm event
4 that, you know, manipulates the area and we have to
5 come in and do some repositioning again to access
6 there. So, we do expect it to be fairly simple to
7 go in and remove them and replace them, if we need
8 to, and take them out for disposable.

9 MEMBER CUMMINGS: Thank you.

10 CO-CHAIR WILLIS: And just to
11 elaborate on your earlier question -- this is Steve
12 Willis -- on the flow rates, we did do some real
13 simplified data collection on flow coming out of the
14 storm water -- I mean out of the oil water separator
15 that Mark mentioned up at the head of the stream,
16 and then also at the end right before it goes into
17 the Au Sable, and use that -- the flow information
18 as part of the basis for the design in terms of flow
19 rates that need to go through those barriers. Is
20 that -- that determines how much material we put
21 into the -- it's almost like a sock across the
22 stream with this material, the sorbent material, and
23 then gravel. The gravel is there, primarily, to
24 keep it from floating away.

25 But we needed to know what the flow

1 rates would be and how much of that sorbent material
2 we need to put, and also control the dwell time,
3 because that's critical to getting the PFAS to
4 absorb to this material. It's the same when we use
5 GAC in the treatment systems. It's got to be in
6 contact with it for long enough to absorb to it.
7 Otherwise, it just passes right through, if we don't
8 have enough material and enough dwell time.

9 MEMBER CUMMINGS: Thank you, Steve.

10 MR. SUELTFUSS: All right. Paula?

11 MS. BOND: Next slide, please.

12 So, we added a couple of these chart
13 -- like, schedules in here just to give everybody an
14 update, and we're going to continue to add these.
15 These will be added every -- for every RAB.

16 This is a one-year outlook of kind of
17 the things that are upcoming over the next year.
18 Like Steve mentioned earlier, the RI work plan
19 addendum, that's going to take place over the
20 winter, and that's the document that you guys will
21 get an opportunity to look at. And it start back at
22 the RI field work in April. That will continue on
23 out through October.

24 I did highlight on here for the IRA
25 and the alert aircraft area, that's what the AAA

1 stands for. The proposed plan for the public
2 meeting -- or the public meeting for the proposed
3 plan, I've got that as starting in March. That
4 document hasn't been submitted to the Air Force yet,
5 but, we hope that will get through the Air Force and
6 EGLE review, and we'll have that public meeting in
7 the March timeframe. So, we don't have an exact
8 date yet, but we're hoping.

9 But I wanted to make sure everybody
10 who saw that is aware of that, so there will be a
11 public meeting coming up some time in the spring.
12 And then we'll follow through with the ROD after
13 that, just like we've done with the other ones in
14 the remedial design and remedial work plan through
15 October.

16 The pilot study work plan is underway
17 currently, and that will run through January. And
18 then the pilot study implementation of monitoring
19 started (inaudible) through the fall.

20 MR. SUELTFUSS: That was quick.
21 Let's go to David and then to Beth. David Winn?

22 MEMBER WINN: I know we talked about
23 this earlier today, but I'm going to ask the
24 question again.

25 MS. BOND: That's okay.

1 MEMBER WINN: You guys have a lot of
2 step-outs, you have a lot of -- there's some data
3 you need to collect through the RI and the east side
4 of Van Etten Lake. So right now, you're
5 anticipating doing all of that, getting everything
6 done through the landscape, all the data done and
7 everything else, in seven months?

8 MS. BOND: Yes. That's the plan for
9 the RI field work, is to be done.

10 MEMBER WINN: Do you really think --
11 and I'm (inaudible) -- is this schedule realistic?
12 Or the -- is it --

13 MS. BOND: Based on what I know right
14 now, yes, I think it's realistic.

15 CO-CHAIR WILLIS: And factoring into
16 that, we've got two seasons of field work that we've
17 done, and know kind of the production rates for the
18 team's drilling and collecting samples and so forth.
19 So, we're not basing this on no background
20 information. We've got two years of first-hand
21 experience doing the work here at Wurtsmith.

22 MR. SUELTFUSS: Great.

23 MEMBER WINN: That's good.

24 MR. SUELTFUSS: Thank you. Let's go
25 to Beth Place with Michigan EGLE.

1 MS. PLACE: Sure. So, Beth Place.

2 We -- here at EGLE, we just want to
3 make sure that it hasn't been lost that on the
4 original RI QAPP or work plan, that we are still --
5 have back and forth correspondence with several
6 comments that remain unresolved.

7 And so we hope that those can be
8 resolved at our December meeting and find a path
9 forward on those. But I just -- we expect that they
10 will be resolved in some fashion. So, I do want to
11 state that.

12 CO-CHAIR WILLIS: And in conjunction
13 with that -- this is Steve Willis -- our expectation
14 would be that any changes to the original QAPP,
15 which has been finalized, would be incorporated into
16 the RI work plan addendum, which is up on the slide
17 there.

18 MS. PLACE: So, this is Beth Place
19 again.

20 So, we will just have to work out,
21 then, how those unresolved issues from when -- that
22 were not resolved when the first RI work plan was
23 finalized, how those will be incorporated into that.

24 MR. SUELTENFUSS: Thank you, Beth.

25 MS. PLACE: I had another question.

1 Sorry.

2 MR. SUELTENFUSS: Yes, go ahead.

3 MS. PLACE: And this one is on the
4 IRA. So, Beth Place again.

5 I just wanted to mention that -- I
6 mean, Air Force is aware that we do have -- EGLE, as
7 an agency, has reservations that the current plan
8 for the aircraft alert area IRA may exacerbate
9 contamination. We don't know yet if it will or not,
10 but that is a concern that our agency has.

11 And based on what we've heard from
12 Steve, the plan is that, in January, we will receive
13 a package of remediation division and then our water
14 resources division on this plan, and the modeling or
15 information on if it will or will not exacerbate
16 contamination, and then have a scoping meeting or
17 discussion on this, because I just want folks to
18 know that this is the most information -- I mean,
19 Steve's kept us informed, and this is common, but,
20 this is the most information we've received on it.

21 So, we're receiving this information
22 real-time as well. So, when I'm looking at the
23 schedule, and we're hoping for the proposed plan
24 public meeting in March, but yet, we don't think
25 that we'll be meeting until January on, potentially,

1 a significant issue with the design, I guess, I just
2 want to bring that up that that makes me concerned
3 on the timeline.

4 CO-CHAIR WILLIS: And Beth didn't
5 indicate, but, the concern EGLE has with the system
6 is the infiltration galleries of --

7 MS. PLACE: Thank you. I'm sorry.

8 CO-CHAIR WILLIS: Yeah. Yeah. Their
9 concern is that using an infiltration gallery versus
10 a surface discharge to another location is going to
11 make the plume worse, or the contamination worse.
12 And that's some of the modeling that Aerostar is
13 doing, and we plan to meet with EGLE and go through
14 that to demonstrate that, in fact, it doesn't make
15 the contamination worse.

16 MR. SUELTFUSS: Thank you. Arnie?

17 MEMBER LERICHE: Will you evaluate not
18 only that, that you just stated, but also
19 incorporate, at the same time, the potential option
20 of an upgrading discharge to compare the effect --

21 CO-CHAIR WILLIS: That's part of the
22 modeling that we'll have, yeah.

23 MEMBER LERICHE: Okay.

24 MR. SUELTFUSS: Okay. Thanks,
25 Arnie.

1 Paula, anything else to say about --
2 MS. BOND: Yeah. Just to add, along
3 the bottom, all of the upcoming RAB meetings, so you
4 guys can see the dates there to plan for the future.
5 And then I've got the SPP meeting there with EGLE on
6 the 6th and 7th of December.

7 So again, we'll update this every time
8 -- every RAB, so we'll push it out to the next
9 meeting, and November '23 will be on there. So,
10 just so everybody can keep track and plan.

11 MR. SUELTFUSS: And let me just
12 note, this was one of the items that the Co-Chairs
13 discussed in their Co-Chairs meeting following the
14 last RAB. It's part of the draft meeting standards
15 document to include these Gantt charts as standard
16 updates with any (inaudible) meetings, both at a
17 short-term just one-year outlook, and a longer term
18 as well, investigate major investigation remediation
19 projects, and just kind of keep that 50,000-foot
20 picture of where we are as well. So, just for those
21 purposes. Yes?

22 MEMBER LERICHE: You just mentioned
23 that standards document a second time. Has that
24 been shared with the RAB?

25 MR. SUELTFUSS: The Co-Chairs are

1 reviewing that right now, I believe. It has not yet
2 been shared with the full RAB.

3 MEMBER LERICHE: None of the drafts?

4 CO-CHAIR WILLIS: We're just looking
5 at the drafts now, so --

6 MEMBER LERICHE: Because we used to
7 have a document called that.

8 MR. SUELTFUSS: Yeah, there was one,
9 I think, around 2017 or so, right? Yeah. So, this
10 is an update of that to include additional items,
11 some of which were action items that Co-Chairs
12 looked at and said these could be kind of standard
13 practices and should be incorporated. So, I drafted
14 that document incorporating some of those items for
15 review.

16 MEMBER LERICHE: Okay.

17 MR. SUELTFUSS: Sorry, Paula, go
18 ahead.

19 MS. BOND: That's okay. And that's
20 all I have on this slide. Next slide, please.

21 UNKNOWN SPEAKER: I'm trying.

22 MS. BOND: That's okay.

23 So then, we added in a chart for the
24 five-year outlook. So now, we're getting out a
25 little bit. So you can see, we've already talked

1 about the RI, the date. This is the RI report
2 continued. And I've got this broken down by
3 quarters and years. So, we have the RI report
4 followed by the feasibility study, the proposed
5 plan, the ROD, remedial design, and then the
6 remedial action. And this is for the (inaudible).
7 Yes?

8 MEMBER WINN: So if, for some reason,
9 something happens, the RI field work has to move
10 out. It looks like there's an overlap that, you
11 know, they report. I guess my question is, the RI
12 work flow goes out, there's a whole plan where it
13 move out --

14 MS. BOND: Everything gets pushed to
15 the right, yeah. If the RI field work gets pushed
16 out, everything else gets pushed out. Is that what
17 you're asking?

18 MEMBER WINN: Yeah, that's what I'm
19 asking. But by question is, you have the field
20 work, and then you have the RI report. You've got
21 almost three quarters, you know, nine months --

22 MS. BOND: Right.

23 MEMBER WINN: -- that you guys can
24 still continue to do that work and finish the
25 report. Is that true?

1 MS. BOND: Right. Yeah. So, the
2 overlap between the field work and the -- because
3 obviously, we're going to start running the report
4 before we're finished. We have a lot of data right
5 now, right? So, we're pulling that together kind of
6 as we go.

7 So we're -- the RI report will
8 actually start before the data is -- data collection
9 is ended. And we'll just move that out. So, if we
10 don't get -- so, I guess it will all be pushed out,
11 but we're going to start before we're done with the
12 report.

13 MEMBER WINN: (Inaudible).

14 MS. BOND: Yep. Yeah.

15 MEMBER WINN: I guess my whole reason
16 for asking this question is, again, the final remedy
17 will be moved out further, further, further,
18 further, okay? And this has been going on for,
19 what, 30 years? More than that?

20 So, my concern is, is that the RI work
21 moves out, everything moves out, and here we are
22 getting another year, another year, another year.
23 It's all a continuation.

24 MS. BOND: Right. If something -- in
25 any one of those steps -- and you know this better

1 than a lot, but, any one of these steps gets held up
2 for whatever reason, the remedial action -- that's
3 the last one on the list -- it's going to --
4 everything is going to get pushed farther --

5 MEMBER WINN: (Inaudible) a whole lot
6 of stuff.

7 MS. BOND: Well, and we're -- we've
8 got the alert aircraft area too --

9 MEMBER WINN: But at this point
10 (inaudible).

11 MS. BOND: Yeah. But -- yeah.

12 MEMBER WINN: I'm just concerned --
13 I'm just concerned that we're going to move it out
14 again.

15 MS. BOND: Well, yeah. This is the
16 plan based on the data that we have right now, and
17 the way we understand the conceptual site model, and
18 what we have -- we believe we have left to do. This
19 is where we are.

20 MR. SUELTFUSS: Okay.

21 MS. BOND: So anyway, this is kind of
22 the five-year outlook. We've got the IRA on there,
23 the pilot study, implementation of monitoring.
24 That's going to finish that. And then we have the
25 five-year review on here so you'll know when the

1 next five-year review is coming.

2 MR. SUELTENFUSS: Moving to the next
3 slide -- and I'll address this -- but, first, I
4 wanted to just share an e-mail that Rex Vaughn sent.
5 Subject 11.16.22, RAB meeting total failure of the
6 remote access system, and it states, "I wanted to go
7 on the record with my extreme displeasure of the
8 performance of the audio/visual system for tonight's
9 RAB meeting. I consider the performance of the
10 system to be a total failure."

11 So, Quentina, we'll record back in the
12 (inaudible) the verbatim transcript of the meeting.
13 I wanted to make sure that because Rex was unable to
14 say that, Rex -- we all know Rex. Rex would not
15 have held back and decided not to say that, he would
16 say it with extreme vigor. So, I wanted to make
17 sure to pass that on in a transparent fashion as
18 well.

19 Now, the slide that we have in front
20 of us, it's just a reminder to us that restoration
21 advisory boards are structured to address questions
22 about environmental restoration and cleanup. But
23 Steve Willis has prepared some contact and any
24 questions that may have come up about health matters
25 as well, because they're sometimes intertwined. But

1 again, our focus here is on environmental
2 restoration.

3 We will be moving next into the RAB
4 member questions and public comment portion of the
5 agenda, but let me suggest that we take a ten-minute
6 break. Does that work, Co-Chairs?

7 CO-CHAIR WILLIS: Yeah.

8 MR. SUELTFUSS: So, it's about
9 7 o'clock now. Let's take a break until 7:10, and
10 we will start up promptly at 7:10.

11 (Recess taken.)

12 MR. SUELTFUSS: And as we come back
13 off the break, let me just do a quick sound check
14 and see if anyone who's connected virtually can hear
15 me right now.

16 And I understand from Cathy
17 Wusterbarth that folks can hear us virtually. Let
18 me just try to get a sound check from anyone who is
19 connected virtually.

20 And just again, one more sound check.
21 I'm not hearing anything currently. Do we have
22 anyone connected virtually who can hear me?

23 Stand by while we're making some
24 adjustments. And thank you for your patience.

25 Let me just do one other quick sound

1 check. Can anyone who's connected virtually hear
2 me?

3 You may be tiring of that question, so
4 I won't ask it again. But I understand, from
5 communications that Cathy's received, that some
6 folks, at least, are hearing us virtually. But
7 let's go ahead and move forward, if we could. And
8 let's go ahead and dim those lights once again,
9 please.

10 So, we are at the RAB members'
11 questions portion of the meeting. Let's see. This
12 is now for our RAB members to ask questions just to
13 engage in some continued discussion. If you have
14 questions, please just raise your hand and make sure
15 you say your name as well. And we'll then, after a
16 bit of discussion among the only the RAB members --
17 stand by, please.

18 Yes, stand by, please.

19 Okay. And let me just do a quick
20 sound check with Rex Vaughn. Rex, I hear you. Can
21 you hear me?

22 Okay. So, adjust that sound so it's
23 not disruptive in the room. We'll proceed.

24 After a while, we'll open it up to the
25 public comment portion of the agenda, but, let's

1 start with RAB members' questions and discussion,
2 just further the conversation. What other
3 comments/questions do you have?

4 Tim Cummings first, and then Cathy.

5 MEMBER CUMMINGS: Sure. Thank you.

6 Tim Cummings here from Oscoda.

7 So I wanted to clarify, Paula's
8 report, she said that we were focusing, of course,
9 on the contamination currently located on the old
10 Base, and the question that was asked was, what are
11 we doing about the contamination that has found its
12 way off the Base? And the response was that we
13 weren't doing anything, because this now residing on
14 private property. Did I hear that correctly, Steve?

15 CO-CHAIR WILLIS: No, definitely not.
16 We've already started an investigation on private
17 property wherever we can get access. We have plans
18 to do an investigation down in Clark's Marsh, which
19 belongs to the Forest Service. We've also worked
20 with the State Department of Natural Resources for
21 access to do some sampling on their property, south
22 end, north of the former Air Force Base property.

23 So yes, we are definitely moving off
24 of the former Air Force Base onto private or other
25 agency-owned property.

1 MEMBER CUMMINGS: All right. In what
2 year did the Air Force transition the Clark's Marsh
3 property to the Forestry Service?

4 CO-CHAIR WILLIS: My understanding is
5 it's always belonged to them. The Air Force never
6 owned that.

7 MEMBER CUMMINGS: It was my
8 understanding, from when I started on this, what,
9 roughly six years ago, that the property line was
10 different then, and that that property that was
11 Clark's Marsh became property of the Forestry
12 Service. It was a donations, a gift, or whatever it
13 was, but, at that point, it's reasonable to believe
14 that it was already contaminated. That's what I
15 understood from six years ago.

16 CO-CHAIR WILLIS: Okay. I'm not --
17 don't have that information. I'll have to get back
18 to you on it.

19 MEMBER CUMMINGS: All right. Fair
20 enough.

21 CO-CHAIR WILLIS: I don't believe
22 that's the case, but yeah, I'll verify that.

23 MEMBER CUMMINGS: Please do, yeah.
24 This has been discussed in prior RAB meetings, by
25 the way.

1 CO-CHAIR HENRY: This is Mark.

2 My understanding of the boundaries of
3 Clark's Marsh is that Clark's Marsh, at least as I
4 -- the 30 years that I've been involved, has
5 belonged to the Forest Service. They -- the Forest
6 Service also owned up to almost the northern edge of
7 the fire training area. But there was a -- a
8 transfer of lands.

9 MEMBER CUMMINGS: Right.

10 CO-CHAIR HENRY: And the -- I believe
11 the Oscoda Wurtsmith Airport Authority picked up the
12 fire training area, and the boundary for the Forest
13 Service property went south to right around where
14 the new infiltration system is, there's an east/west
15 line there. But as far as I know, the majority of
16 Clark's Marsh has been owned by the Forest Service
17 for at least 30 years.

18 MEMBER CUMMINGS: Going back, because
19 I don't know when that date was, I just was told
20 that there was a transfer date, so it may be the
21 prior years that I'm interested in. I don't know
22 what the date is, just that there had been some
23 change there. That was it. Thank you.

24 MR. SUELTENFUSS: Thank you, Tim.
25 Cathy Wusterbarth?

1 MEMBER WUSTERBARTH: I do have a
2 question. We think maybe because of the virtual
3 issues, we didn't receive a report from DHHS.
4 Wondering if there's a way to get that. I think
5 Puneet has been on the line, but --

6 MR. SUELTFUSS: Yes. And actually,
7 that's a timely question. Puneet just e-mailed me
8 and he --

9 MEMBER WUSTERBARTH: Okay, good.

10 MR. SUELTFUSS: -- he has an update,
11 and certainly I can read that off now.

12 MEMBER WUSTERBARTH: That would be
13 great.

14 MR. SUELTFUSS: So, this is the
15 stakeholder update from Puneet Vij, Michigan
16 Department of Health and Human Services updates.

17 "MDHHS finished round three of
18 resampling residential wells in the area. A total
19 of 245 homes were sampled. Out of those, we
20 received results from 126. 119 results are still
21 pending. Of the 126 results, there are 77
22 non-detects and 49 detections. Out of the 49
23 detections, there are six detections that exceed the
24 MDHHS comparison values.

25 With firearm hunting season now

1 underway, MDHHS and DNR issued a press release
2 yesterday reminding hunters not to eat venison from
3 deer taken within three miles of Clark's Marsh.

4 Exposure assessment. MDHHS started
5 the recruitment in September of 2022 and started
6 clinics. The Oscoda area exposure assessment is
7 actively enrolling participants."

8 That's it. Thank you for the segue.

9 MEMBER WUSTERBARTH: Sure. If I could
10 expand?

11 MR. SUELTFUSS: Please.

12 MEMBER WUSTERBARTH: The exposure
13 assessment that Puneet is referring to is for PFAS
14 blood testing. It also includes, actually, a total
15 of 195 contaminants through the MiChEM program that
16 is starting through the State of Michigan. So the,
17 you know, residents here. And like Eric had
18 mentioned, both Oscoda and Au Sable residents are
19 eligible over the age of 12. And this project will
20 be going through until there's a lack of interest,
21 or until there's no more enrollees. So, people will
22 have a chance to enroll in this testing through next
23 year, at least.

24 MR. SUELTFUSS: Thank you, Cathy.
25 What other questions are there, or comments? David

1 Winn?

2 MEMBER WINN: Yes, Dave Winn. I have
3 a question. You mentioned earlier about the --
4 underneath (inaudible). Steve, I know you sent this
5 letter out to the RAB members. You know, I
6 appreciate you sending that out, but, the letter
7 pretty much outlines your response to that from
8 EGLE, okay? But the question or the concern I have
9 is that basically, you know -- I'm paraphrasing --
10 the letter pretty much says EGLE, you had your
11 chance and, you know, within the limited time, we'll
12 get whatever we can resolved. If not, we move
13 forward. That concerns me, number one.

14 Number two -- and the reason I say
15 that is because there are seven items on the
16 unresolved comments that are particularly associated
17 with the east side of Van Etten Lake. You need to
18 get that included with that addendum.

19 And Mark, I think you also had an
20 issue with the vertical aquifer sampling.

21 CO-CHAIR HENRY: Well, yeah. Vertical
22 aquifer sampling is kind of the key investigative
23 tool that's being used at Wurtsmith to define these
24 plumes. The monitoring wells that are out there,
25 the majority of them are 40 or 50 years old. I --

1 we can have discussions about how valid some of that
2 data is, since they were put in -- stabbed into the
3 ground and not given the benefit of vertical aquifer
4 sampling.

5 But vertical aquifer sampling is the
6 best way that I know of to do a groundwater
7 investigation to delineate the contamination from
8 the top to the bottom of the aquifer. And the Air
9 Force has been -- has moved ahead with the RI, and
10 has been doing vertical aquifer sampling, or VAS,
11 and the State has offered objections to the
12 procedure. And it would seem like -- since that is
13 one of the more fundamental tools being used to
14 gather data here, that it should be resolved in all
15 haste. You would almost drive the RI to a
16 standstill, because without concurrence, you can
17 poke holes in the data.

18 And so, I -- I don't know the full
19 nature of why the State has -- has some issues with
20 the way the Air Force has proposed to do VAS, but it
21 really should be resolved. And sooner than later.

22 MEMBER WINN: My point in this whole
23 question is that right now, you had mentioned that
24 on the 6th and the 7th, you're going to meet
25 (inaudible) all right? And the question is, I would

1 believe that most of the time is going to be set up
2 to review data, and not necessarily unresolved
3 issues. So, if unresolved issues are going to go by
4 the wayside again, then we're not going to move
5 forward again.

6 And my question is, Steve, is it
7 possible that maybe a separate meeting can be
8 scheduled between you and Beth and whoever needs to
9 be, so we can get these issues -- unresolved issues
10 taken care of so that we all feel better that we're
11 all moving in the right direction?

12 CO-CHAIR WILLIS: Yeah, certainly we
13 can meet with EGLE once they've had an opportunity
14 to review that and provide feedback to us. If we
15 need to get together and talk, we can.

16 MEMBER WINN: Okay. So, the door is
17 still open, these aren't -- these aren't -- I mean,
18 I read the letter, it was kind of -- this is kind of
19 becoming a closed issue.

20 CO-CHAIR WILLIS: Yeah. Okay. That
21 was not the intent of the letter, but yes. We can
22 still -- we can still revisit stuff.

23 MEMBER WINN: Do you agree with that,
24 Beth?

25 MS. PLACE: Yeah, I think that's -- I

1 think that's great.

2 MEMBER WINN: Thank you. So, my
3 opinion would be is if you guys haven't (inaudible)
4 6th and 7th, I don't think is the right place for
5 it. That's something you guys can (inaudible).

6 MR. SUELTFUSS: Thank you, David.

7 UNKNOWN SPEAKER: (Inaudible) give me
8 a second (inaudible) and find out who the
9 (inaudible) because I can't see (inaudible) so, if
10 you're going to answer the question, just throw your
11 hand up for me so I can count the mics and un-mute
12 them. We'll avoid that problem, okay?

13 MR. SUELTFUSS: Understood.

14 So, it sounds like we do have a
15 capacity to receive questions from those who are
16 connected virtually. I'm going to go through the
17 list, any questions we have here in person first,
18 and then I'll turn to those RAB members who are
19 connected virtually.

20 Arnie Leriche?

21 MEMBER LERICHE: A quick one. In the
22 discussion, I've heard -- Arnie Leriche -- the word
23 "unresolved" a number of times. We went through
24 over three years of a dispute resolution. Is there
25 any kind of a dispute at this time, even informal?

1 CO-CHAIR WILLIS: Not to my knowledge.

2 MS. PLACE: Not at the moment. We did
3 have some informal dispute discussions on the Van
4 Etten Creek investigation, and the investigation on
5 the east side of Van Etten Lake, but, it looks like
6 Air Force is moving forward with those now.

7 MEMBER LERICHE: Okay. Well, thank
8 you for the honesty. Great.

9 MR. SUELTFUSS: Thank you, Arnie.
10 Yes, sir?

11 MEMBER GAINES: Bill Gaines. A
12 question I brought up several times, and I have seen
13 no changes in the conceptual site model or the
14 direction of the investigation to address the issue.
15 Helen Lake at this -- just south of the north end of
16 the runway has had a do not eat fish warning for as
17 long as I've been part of the RAB, and that do not
18 eat fish warning on Forest Service land is for the
19 components of the AFFF.

20 Now, the conceptual site model does
21 not really allow for water to go that direction.
22 The model says it would go south, not -- not to the
23 west, yet, there's a biota sampling that says it has
24 gone that way, and I see nothing in your
25 investigation to find out why. And again, on that,

1 there's biota there that's considerably out of the
2 schema of Clark's Marsh, and your sampling plan for
3 the ecological risk doesn't address that.

4 So, could you do something to get that
5 known contamination level included in your
6 investigation?

7 CO-CHAIR WILLIS: We'll go back and
8 look at it, but if the conceptual site model doesn't
9 support groundwater flowing in that direction, then
10 there's nothing to support that it's coming from the
11 Air Force. But we can go back and look at that.

12 MEMBER GAINES: I would say, sir, that
13 the Forest Service land has no other possible
14 source. And I don't know what the geologists say,
15 but, I do know that we have a time in 1970 that
16 these chemicals came into use. There has been no
17 reason out there for that to have come from any
18 other source, and no possible other source is there.
19 So, your denial sounds like stonewalling to me.

20 CO-CHAIR HENRY: This is Mark, if I
21 can add something to that.

22 It's very possible that the
23 contamination that is there may not have gotten
24 there by groundwater. It could have gotten there by
25 atmospheric deposition. Plume travels in the wind.

1 CO-CHAIR WILLIS: Okay. Like I said,
2 we can go back and look at that again, and if the
3 data supports the need to investigate that
4 attributable to the Air Force at Wurtsmith, then we
5 can pursue that.

6 MR. SUELTFUSS: Okay. Arnie
7 Leriche?

8 MEMBER LERICHE: Has the Air Force
9 ever sampled the unofficial or -- I'm not sure --
10 landfill that's at the end of the runway, which is
11 just basically almost north of Helen Lake, upstream?

12 CO-CHAIR HENRY: You're talking about
13 the sand pit that's there that's used as a shooting
14 range?

15 MEMBER LERICHE: (Inaudible) but that
16 has been sort of other dropping of items and stuff
17 in there.

18 CO-CHAIR HENRY: (Inaudible).

19 MEMBER LERICHE: But I mean, has there
20 ever been the thought -- looking at the do not eat
21 the fish there, anyone in the Air Force scratch
22 their heads and say well, where do they come from,
23 and do any sampling outside upstream of the --

24 CO-CHAIR WILLIS: We can go back and
25 relook at that area.

1 MEMBER LERICHE: Pardon me?

2 CO-CHAIR WILLIS: I said we can go
3 back and relook at that area.

4 MEMBER LERICHE: Okay. In other
5 words, don't just believe the geologic hydro --
6 geologic that was -- I don't know how old.

7 MR. SUELTFUSS: Okay. Looks like
8 Paula may have a comment to share as well.

9 MS. BOND: Sorry. We are looking at
10 Allen Lake in the RI. So, if you guys have looked
11 at the figures -- the sampling figures in there,
12 we're looking at the surface water that's coming off
13 the end of the airport that runs into the lake, and
14 then the water that's coming out both. So, we are
15 looking at Allen Lake. Sorry I didn't get up here
16 quicker.

17 MEMBER LERICHE: Before you leave, can
18 you talk about the risk assessment plan with regard
19 to Allen Lake and the do not eat fish?

20 MS. BOND: I don't have information
21 specific to the risk assessment for Allen Lake off
22 the top of my head. I can get that information for
23 you. The risk -- the biological -- just to remind
24 everybody, too, the biota sampling plan was added
25 the AR a few weeks ago, and so was the risk

1 assessment work plans. I don't know exactly what
2 the risk assessment work plan was for Allen Lake,
3 but I can get that for you. But I do know for just
4 the nature and extent portion of the RI, we are
5 looking at surface water sampling at Allen Lake.

6 MR. SUELTFUSS: Thanks, Paula.

7 MS. BOND: You're welcome.

8 MR. SUELTFUSS: Okay. Let me just
9 do a quick sound check, and I will turn next to see
10 if there are -- first of all, if I have
11 communication with those who are connected
12 virtually. Am I good to ask that question?

13 Okay. And let me just do a quick
14 sound check for anyone who is connected virtually.
15 Are you able to hear me?

16 You can. Okay. I think that was a
17 yes, we can. Is that right, Rex? (Inaudible).

18 Okay. All right. We're going to move
19 forward. Take us back to the -- oh, okay. All
20 right. Rex, can you hear me?

21 Let me just -- let me just check in to
22 see if you have any comments you would like to share
23 with the RAB right now, Rex?

24 MEMBER VAUGHN: (Inaudible).

25 MR. SUELTFUSS: Rex, we are not

1 hearing you right now. (Inaudible) the sound techs
2 (inaudible) and take us back to the (inaudible) in
3 person meeting, or we could do that sound setting.
4 Any of the sound settings, really, any of them.

5 Okay. So, let me pull us back with
6 that -- that ominous noise, and just continue on
7 with any RAB member questions while AV folks make
8 sure we are still recording this now.

9 So, any other questions/discussion
10 among the RAB members before we move to public
11 comment? Yes?

12 MEMBER SCHULZ: Has the Air Force
13 started doing any so-called fingerprinting of some
14 of the PFAS contaminants in this area?

15 CO-CHAIR WILLIS: We have not started
16 that. That will be part of next summer's field
17 work.

18 MEMBER SCHULZ: When that happens, is
19 there going to be a way -- an easy way to -- for the
20 public to see what the results of that are? Are you
21 going to have that so we can see those tests?

22 CO-CHAIR WILLIS: Because it's private
23 drinking water wells, I'm not sure how -- what we'll
24 be able to share, but, you know, we'll come up with
25 some way to at least convey information.

1 MEMBER CUMMINGS: I have
2 clarification -- this is Tim Cummings -- for that
3 question on your answer, Steve.

4 So, the question here is about
5 fingerprinting the contaminants. I remember we were
6 doing that years ago under a different program
7 manager here, identifying the different types of
8 chemicals and the likely sources, because they're
9 not all the same. Different chemicals came from
10 different manufacturers, and came from different,
11 greater compounds that were used. So, what do you
12 mean by fingerprinting is now just coming up? I
13 don't understand.

14 CO-CHAIR WILLIS: Battelle has an
15 analysis for PFAS -- and this is Steve Willis -- for
16 PFAS that looks at several hundred compounds and
17 breaks it down into, you know, PFOA and PFAS, so the
18 stuff that was in the original AFFF, as well as the
19 newer versions of AFFF, as well as commercial
20 sources of PFAS, which can include your popcorn --
21 microwave popcorn bag. I read an article recently,
22 it's in dog and cat food bags. So, it's everywhere.

23 So, this will look at -- it's in
24 carpets and so forth. This will look at those other
25 potential sources for PFAS compounds that are not

1 associated with AFFF to give us an indication of
2 whether sources may be from something other than the
3 Air Force. It's not going to be a definitive
4 smoking gun, absolute this is yes or no, but, it is
5 another line of evidence that we can use in the
6 evaluation.

7 MS. PLACE: And this is Beth Place
8 with EGLE. And so we've -- Steve and I have already
9 had this conversation that one of our concerns with
10 this process is that not all of the sources have
11 been investigated at Wurtsmith, so outside of AFFF,
12 not all of them have been investigated yet as part
13 of the RI. And so that's really a concern that we
14 have with using this -- this type of method for
15 fingerprinting. And so, you know, we'll looking at
16 that as we move forward.

17 MEMBER CUMMINGS: This is Tim
18 Cummings. Just a comment then. It sounds like it's
19 an expanded version of what we were doing before,
20 what we were calling fingerprinting, and it's a
21 laundry list of more sources. So, thank you for
22 that.

23 MR. SUELTFUSS: All right. Arnie
24 Leriche?

25 MEMBER LERICHE: Regarding the

1 fingerprinting and the methods used, can you give us
2 -- send us -- maybe this will be an AI, action
3 item -- but, where it's been used in the Air Force
4 and DoD?

5 CO-CHAIR WILLIS: Sure. I can find
6 out that information and provide it. I can also
7 provide you a link to the contractor's website with
8 information on it.

9 MEMBER LERICHE: Okay.

10 MR. SUELTFUSS: Okay. I do want to
11 make sure that we reserve some time for public
12 comment, that's always an important element of any
13 RAB meeting. But before turning to public comment,
14 let me just see if there are any further
15 questions/discussion among the RAB members who are
16 here. Yes, Mark?

17 CO-CHAIR HENRY: I have one additional
18 question. I've gone through the RI work plan and
19 looked at -- I looked at it from various aspects.
20 One of the things that concerns me a little bit is
21 the analysis that is being done. I do not see --
22 and please correct me if I'm wrong -- but, the Air
23 Force is not doing total organic flourine, and thus,
24 it is impossible to determine if the precursors to
25 PFAS and PFOA are present or not.

1 My understanding of the original AFFF
2 formulation was the PFOA and PFAS were functional
3 groups; they were essentially little arms sticking
4 off of a much larger molecule, and those arms break
5 off, and those arms are the ones that we're looking
6 at right now. But the major molecule, the original
7 one that those arms were connected to, has the --
8 it's not being analyzed. And because of that, you
9 don't know how much of it is resident within the
10 aquifer that is not being analyzed, and those little
11 arms, those little eight carbon arms, can still
12 break off of that precursor and generate more PFAS
13 and PFOA in the groundwater.

14 So my question is, why are not -- or
15 at least correct me if I'm wrong, but, I do not see
16 a total organic flourine being analyzed for in the
17 work plan to determine if there is a future source
18 that is not being anticipated.

19 MS. BOND: Paula Bond. You are
20 correct, we're not analyzing for that in the RI.
21 And I don't have any additional information on that.
22 We can get back to you on looking at that and seeing
23 if that's appropriate, or something that we may want
24 to look at. But currently, we're not analyzing for
25 that.

1 CO-CHAIR HENRY: I'd just hate to
2 leave a lot of stuff behind that has not been looked
3 at. It could be a problem in the future for
4 remediation.

5 MR. SUELTENFUSS: I've captured that
6 as one of the items that I'll pull together and send
7 to the Co-Chairs, and try to go through all of them
8 and see which ones might need to be action items,
9 and which might be addressed --

10 MEMBER CUMMINGS: I was going to say,
11 should this be an action item?

12 MR. SUELTENFUSS: I've captured that
13 as a possible action item, yep.

14 Okay. Any further discussion among
15 the RAB members before we move on to public comment?

16 Okay. Let's see. If we could move to
17 our next slide.

18 Okay. So now, again, we're in this
19 public comment portion. We have, as an important
20 element of all of our RAB agendas and RAB meetings,
21 we've previously had discussion among the RAB
22 members, and now we're opening it up to members of
23 the public who don't happen to be RAB members, but
24 have comments they'd like to share, questions maybe
25 for the RAB members as well.

1 So, if you do have a question, have
2 comments, and you're here in person, please do come
3 up to this microphone right up here at the head of
4 the table, and we'll just go through have an
5 opportunity for three-minute public comments.

6 Yep. Go on. And a lot of this
7 indicates kind of process. But essentially, for
8 those who are in person -- and we are working in
9 person only right now -- please just come on up and
10 I'll turn to you, and you can say your piece for
11 three minutes, and we'll see if there's any brief
12 response that maybe the RAB members have.

13 So, are there any members of the
14 public who would like to make any comment at this
15 time?

16 Okay. Just check in one more time.

17 Okay. All right.

18 MEMBER WUSTERBARTH: Tim, I do --
19 there is someone online that would like to make a
20 comment that is unable to, so I don't know if you
21 were going to attempt to try to do that, or if you
22 want us to --

23 MR. SUELTFUSS: Yeah, let's give
24 that one more shot.

25 UNKNOWN SPEAKER: Everyone cross your

1 fingers.

2 (No audio.)

3 MR. SUELTFUSS: Thank you very much
4 for your patience. We're going to try this out,
5 Tony, for you to speak here in just a minute. If
6 that does not work, then I believe Cathy has the
7 text, and so she'll read that off. But let's turn
8 to Tony Spaniola.

9 MR. SPANIOLA (through cellphone.):
10 Thank you. Thank you. Can you hear me okay?

11 MEMBER WUSTERBARTH: Yep.

12 MR. SPANIOLA: Okay. So, let me
13 begin. The Air Force decisions announced tonight
14 are most disappointing. Four requested interim
15 remedial actions, the IRAs have been recommended by
16 highly respected technical experts who have more
17 experience at Wurtsmith than anyone on the Air
18 Force's team. The Air Force's summary denial of all
19 four IRAs is yet another example of its ongoing lack
20 of commitment to protect public health or the
21 environment. We have heard the data gap excuse in
22 the past from the Air Force only to have the Air
23 Force do a complete reversal when political pressure
24 was brought to bear.

25 I urge the Air Force to immediately

1 reconsider and to take steps to implement the four
2 requested IRAs without further delay. The Air
3 Force's decision to slipline only damaged portions
4 of the storm sewer line is not just a reversal of
5 prior commitments, it is yet another example of
6 short-sighted and gross mismanagement on the part of
7 the Air Force. With massive amounts of water
8 pouring through the storm sewer, it is poor
9 stewardship to wait until the next damage occurs
10 before taking action.

11 It is also beyond disappointing to see
12 the Air Force continuing to use computer-generated
13 plume maps. The Air Force promised to stop using
14 those maps at a Senate appeal hearing in August.
15 Tonight is the third time that this commitment has
16 been violated in just over three months.

17 Finally, I ask the Air Force a simple
18 question: DoD rules require that the EPA be a
19 member -- an active member of the Base closure team.
20 Why has the Air Force been excluded -- why has the
21 Air Force excluded the EPA from involvement at
22 Wurtsmith? Thank you.

23 MR. SUELTFUSS: Okay. Mr. Anthony
24 Spaniola, thank you very much for your comment
25 there.

1 And let me just turn to the RAB. Any
2 brief response, or any commentary based on Mr.
3 Spaniola's comments?

4 CO-CHAIR WILLIS: Yeah, this is Steve
5 Willis with the Air Force.

6 In regards to EPA participation in the
7 BCT process, the EPA has elected not to participate.
8 They have no official regulatory role under CERCLA
9 for Wurtsmith, and they bowed out of the BCT in
10 writing to the Air Force in, I believe, 2014, and
11 they've reiterated that in a letter to the Air Force
12 this summer. So, the EPA has elected not to
13 participate.

14 Now, instead of participating in the
15 BCT, EGLE and the Air Force and the EPA are doing
16 quarterly check-ins to talk about the activities at
17 Wurtsmith, and we'll continue to do so, and leverage
18 each other's experience, and bring to bear what we
19 can outside of the normal team to apply at
20 Wurtsmith.

21 MR. SULTENFUSS: Thank you, Steve.
22 Appreciate that.

23 Okay. And again, Mr. Spaniola, thank
24 you for your patience there.

25 Let me just see if there are any

1 further members of the public in person tonight who
2 would like to share any comments -- further
3 comments.

4 And RAB members, are you aware of
5 anyone else who (inaudible) other than Mr. Spaniola?

6 Okay. Again, thank you very much for
7 your patience here. Let's move to that next slide,
8 if we could. I think it's our final slide. Yep,
9 looks like our final slide.

10 Okay. Well -- so, before turning to
11 the Co-Chairs for any closing remarks you may have,
12 I wanted to thank Paula and her team for not only
13 technical support to the Air Force, but also the
14 logistical support for tonight. And let me just
15 turn to our Co-Chairs for any closing remarks you
16 may have. Mr. Mark Henry?

17 CO-CHAIR HENRY: I'd like to thank
18 everyone who attended and I heard some good
19 questions this evening. Hopefully, it will lead to
20 discussions to help further this process.

21 MR. SUELTENFUSS: Steve, I think --
22 one thing I neglected to do was report the results
23 of the big election. The results of the big
24 election are unanimous agreement that Mark should
25 continue to act as Community Co-Chair.

1 MEMBER WUSTERBARTH: Thank you, Mark.

2 MR. SUELTENFUSS: And then over to
3 Steven Willis, then, for closing comments.

4 CO-CHAIR WILLIS: I just wanted to
5 thank everyone for coming and participating this
6 evening. It's unfortunate that our remote
7 participation was fairly limited tonight. We'll
8 continue to work on that and try and resolve that
9 for future meetings. But again, thanks for coming
10 out, and thanks for everyone's input.

11 MR. SUELTENFUSS: All right. Well,
12 thank you all to the RAB members. Thank you to the
13 members of the public who have joined in. We are
14 adjourned. Have a good night. Thank you.

15 (Meeting adjourned.)

16 Minutes certified by:

17

18



19

20 /s/ Quentina Rochelle Snowden, CSR-5519
21 QRS Court Reporting, LLC
22 800.308.0068, 810.691.4226
23 Dated: December 16, 2022
24
25

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