



Wurtsmith RAB AI Tracker			17-Feb-25					
AI #	Request Date	Action Item	Requester	Owner	Due Date	Comments/Resolution	Status	Last Update
87	20-Jan-21	"Advise RAB of the status of removal or cleanup of fire suppression systems in the hangars at the Former Wurtsmith AFB, and also the evaluation of whether the fire suppression systems in Bldgs. 5098, 5001, 5091, 5045 (SS-71), and the POL Yard contained AFFF."	Bill Gaines/Mark Henry	AFCEC		An inventory list is being compiled listing which facilities had Fire Suppressant Systems, which were cleaned out, and which locations will need to be revisited. Update 2/15/23 - AFCEC staff will visit these facilities and evaluate the current status of the fire suppression systems. AFCEC evaluated Building 5098 - Jet Engine Test Cell, Building 5001 - Test cell, Building 5091 - Fire Station, Building 5045 - Weapons Release and Systems Shop, and the Petroleum, Oils, and Lubricants (POL) Yard for potential AFFF fire suppression systems. A summary of the findings was provided to the RAB on 12/11/2024.	Ongoing	11-Dec-24
88	20-Jan-21	Advise the RAB on the status and schedule of the FYR. Explain how remedial activities at FT02 may impact protectiveness statements.	Arnie Leriche	AFCEC	31-Jul-24	The FYR was provided to EGLE for review on 21 Mar 2024. Protectiveness statements are included for FT02 & other sites. There are no final Record Of Decisions (RODs) for any PFAS sites, but PFAS is discussed in FYR. The final FYR should be available in early 2025.	Ongoing	12-Jun-24
96	16-Feb-22	Develop two summaries of IRP sites at the Former Wurtsmith AFB. The first summary would include a list of active IRP sites (with site designation, contaminant, and status) and a map that displays these active sites. The second summary would include a similar list and map for inactive IRP sites.	Arnie Leriche	AFCEC	31-Mar-22	In progress.	Ongoing	
99	18-May-22	Advise the RAB members if the Air Force is seeking to determine the source of PFAS, which is appearing in the wastewater treatment plant effluent.	Bill Palmer	AFCEC		The Air Force is continuing to evaluate PFAS in the area of the WWTP and where the effluent is picking up PFAS. Soil and groundwater samples were collected at the seepage beds as well as portions of the sanitary sewer system as part of the PFAS RI and the results are being evaluated. Maps with these results were provided at the poster session before the 21 Feb 2024 RAB meeting. The Air Force will continue to evaluate available data to determine PFAS sources entering the sanitary sewer system that are attributable to the Air Force. Additional data collection is planned during the data gap investigation.	Ongoing	12-Jun-24
102	17-Aug-22	Respond to the following questions about the Wurtsmith AFB wastewater treatment plant, which Oscoda Township personnel posed: (a) What plans does the Air Force have for cleanup of the PFAS released below the water treatment beds? (b) What priority is the Air Force assigning to this cleanup? Is there a timeframe? (c) Has the Air Force estimated the cost of this cleanup?	Tim Cummings	AFCEC	15-Jan-24	The soil in the seepage beds was sampled to the water table during the RI. The results were all below the RI QAPP Addendum criteria for samples collected in the center of each bed. The samples collected from the berm where material from the air stripper tower was identified exceeded the soil criteria. This site was evaluated as part of the critical process analysis and has been briefed to EGLE management, Mark Henry and Bob Delaney, and the RAB and public. A request for IRA funding is included in the FY25 budget while the CPA recommended IRA continues to be evaluated. DAF is working with the CPA team to develop the scope for a contract for this IRA.	Ongoing	11-Dec-24
105	16-Nov-22	Determine when storm sewer outfalls were last sampled and whether they will be routinely sampled in the future.	Arnie Leriche	Amy Handley (Michigan EGLE)		Beth Place will confer with Michigan EGLE's Water Resources Division on this matter and have an update from EGLE at the 17 May 2023 tech session. Beth advised at the 17 May 2023 RAB meeting that OWAA has completed its first round of samplings and are awaiting a second round of results and a final report.	Ongoing	17-May-23
106	16-Nov-22	Advise RAB members why the Air Force is not analyzing for total organic fluorine.	Mark Henry	AFCEC	21-Aug-24	Mark Henry noted during the 16 November 2022 RAB meeting that, without analyzing for total organic fluorine, it would be impossible to determine if precursors to PFOS and PFOA are present. Steven Willis stated at the 17 May 2023 RAB meeting that TOF doesn't help determine the nature and extent the plumes, and won't be collected for the RI but could possibly be revisited later. 13 Jun 2024: The Air Force will determine if other Air Force installations or other services are doing TOF analysis.	Ongoing	13-Jun-24
109	15-Feb-23	Confirm that the Air Force is conducting soil and groundwater sampling for PFAS at site OT 049, former open burn/open detonation site to determine if flares used at the site contained PFAS	Mark Henry	AFCEC		Mr. Willis stated that this will be addressed under the MMRP RI due to potential explosive safety concerns.	Ongoing	15-Feb-23
110	15-Feb-23	Provide the community an update or presentation on the renegotiation of Substantive Requirements Document (SRD) limits before a decision is finalized.	Arnie Leriche	AFCEC	21-Aug-24	There have been no discussion between EGLE and the Air Force regarding re-negotiations of the existing SRDs for the Wurtsmith treatment systems. The Community RAB members will discuss this topic internally and determine if they want to meet with EGLE to discuss revisions to discharge limits for the existing SRDs at Wurtsmith.	Ongoing	12-Jun-24
113	15-Feb-23	Provide RAB with schedule, detailed work plan, and/or a technical meeting for the biota sampling associated with the WAFB ecological risk assessment.	Arnie Leriche	AFCEC		Co-chairs agreed that the work plan is available via the AR. The AF conducted a virtual technical session on 24 Apr 2023 to discuss the PFAS RI risk assessment. A follow up presentation was provide during the May 2024 technical session and RAB meeting. The risk assessment will be included in the RI report. New data collected during the data gap investigation will be incorporated into the risk assessment as appropriate.	Ongoing	18-Aug-24



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115	15-Feb-23	Provide the RAB with more information regarding the remedial investigation (RI) exposure assessment, including how we are targeting participants, the percent of the population participating, and the complete project timeline.	Arnie Leriche	AFCEC		Co-chairs agreed that the work plan is available via the AR. The AF conducted a virtual technical session on 24 Apr 2023 to discuss the PFAS RI risk assessment. A follow up presentation was provide during the May 2024 technical session and RAB meeting. The risk assessment will be included in the RI report. New data collected during the data gap investigation will be incorporated into the risk assessment as appropriate.	Ongoing	19-Feb-24
117	15-Feb-23	Determine if Oscoda township will receive any repayment for debt that it has been taken on to extend water mains.	Bill Palmer-Oscoda Township	AFCEC		As of the 17 May 2023 RAB the township has not submitted a request for reimbursement to the AF. This cannot be evaluated until a formal request is received. The Air Force and Township had a call on 15 Jun 2023 to discuss this. The Township indicated they needed to reconcile the financials for the water main expansion done with the loan from the State and it could take up to 6 month. At that time, the Township will know how much they will request in reimbursement and send a request to the Air Force. At the 16 Aug 2023 RAB community meeting Tim Cummings briefed that the matter is currently under review by the Township's Attorney.	Ongoing	1-Aug-23
119	15-Feb-23	Determine if the water at the small arms range that is used by losco Sportsmen's Club is safe to consume.	Clayton Jolley-community member	AFCEC		Mr. Henry noted that this is a VOC source area and possible PFAS site and would suggest testing for both lead and PFAS, he raised concern regarding why this well was even permitted to be drilled in 2010. Mr. Willis agreed that this area should be tested. Mr. Willis stated at the 17 May 2023 RAB meeting that the well used by the Sportsman's Club will be sampled as part of the PFAS RI. MDHHS has sampled for PFAS and is considering sampling for lead. PFAS results were below MDHHS criteria.	Ongoing	18-Aug-24
120	15-Feb-23	What steps can be taken for the risk assessments' exclusion of PFAS foam testing to be reconsidered to include testing of the foam.	Courtney Cargnan-community member	AFCEC		Mr. Willis stated at the 17 May 2023 that there is no DoD Environmental Laboratory Accreditation Program-approved analytical method for measuring PFAS in foam, foam is present only intermittently rather than presenting a continuous exposure pathway, and exposure parameters for receptors is unknown. A discussion of foam is included in the risk assessment work plan as a low-contribution pathway and will be discussed qualitatively in the uncertainty section of the risk assessment report. As new information becomes available, the risk assessment report may require an addendum to quantitatively account for foam. Foam samples will be collected and analyzed for PFAS as part of the data gap investigation.	Ongoing	18-Aug-24
123	17-May-23	Request a virtual meeting with the authors of the DOD/University of Oregon study on PFAS foam to learn more about their research.	Arnie Leriche	AFCEC		Mr. Henry stated at the 6 June 2023 co-chairs meeting that he will contact Jennifer Fields of University of Oregon and request a virtual meeting with RAB members. Mr. Henry will report back to the RAB. USAF is looking into having a virtual panel discussion of foam in the spring 2024 with experts from EPA, EGLE, AF, MPART, and academia. This meeting is still being evaluated by the Air Force.	Ongoing	18-Aug-24
124	17-May-23	Request a rescreening for levels of PFAS in wildlife and swimming areas.	Arnie Leriche	AFCEC		Mr. Willis stated at the 6 June 2023 co-chairs meeting that he will check with RI work plan to determine which species are being tested and will discuss at the next AI meeting. A poster with species that were sampled and the locations was provided at the poster session before the 21 Feb 2024 RAB meeting. An update on the PFAS risk assessment was provided at the 14 May 2024 technical session and summarized at the 15 May 2024 RAB meeting.	Ongoing	25-Mar-24
131	16-Aug-23	Request for Mr. Willis / USAF to review administrative processes to speed up the flow of information to the RAB members – meeting minutes, notes, etc.	Dave Carmona	AFCEC		The Air Force is working to fill the vacant position dedicated to supporting Wurtsmith. This will expedite information flow to the RAB.	Ongoing	19-Feb-24
133	16-Aug-23	Request list of Air Force chain of command.	Cathy Wursterbarth	AFCEC	21-Dec-23	An organizational chart showing the BRAC organizational structure was distributed to the RAB members 11 Jun 2024. The RAB requested contact information for the people shown on the organizational chart provide. An organizational chart with contact information was provided to the RAB 11/20/2024. The BRAC Division is being realigned from the Installations Directorate to the Environmental Directorate as was discussed during the 11/20/2024 RAB meeting. An updated organizational chart will be provided once the changes are implemented.	Ongoing	11-Dec-24
134	16-Aug-23	Request that the AF implement a regular sampling program monitoring surface water discharge at the three pipes ditch, Clarks Marsh, and other out falls.	Mark Henry / Arnie LeRiche	AFCEC		There is currently no discharge permit for these outfalls. EGLE met with theTownship and Airport Authority to discuss outfall sampling.	Ongoing	5-Dec-23
142	21-Feb-24	Evaluate the possibility of an online information repository for WAFB, in addition to the paper version at the Oscoda Library.	Arnie LeRiche / Cathy Wusterbarth	AFCEC	15-May-24	The Air Force will use the online administrative record (AR) as an information repository (IR) and will start posting additional documents typically included in the IR to the AR.	Ongoing	11-Dec-24
144	21-Feb-24	Request the USAF seek cost estimates for testing the aquifer under Van Etten Lake.	Cathy Wursterbarth	AFCEC	15-May-24	The Air Force is looking into this.	Ongoing	22-Mar-24



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147	21-Feb-24	Test surface water at the State Park campground beach area to determine if the water is contaminated during the data gap investigation.	Kyle Jones	AFCEC	15-May-24	Surface water and sediment samples have been collected at the State Park campground area as part of the RI and results were shown on the posters at the May 2024 RAB meeting. 12 Jun 2024: David Winn questioned whether surface water sample WURSW061 and sediment samples WURSD162 and WURSD163 could have been collected 3/27/2024 as indicated on the RAB posters because the sediment and surface water were likely frozen. The field sample sheets will be reviewed for any notes about the media being frozen. They will also be review for more detailed location information for where the sediment samples were collected relative to the summer waterline level. David indicated the lake level was down in March when the samples were collected and believes the samples were collected 60 feet from the summer shoreline and may not be representative of the recreational exposure scenario.	Ongoing	12-Jun-24
148	15-May-24	If any mitigation is required due to vapor intrusion issues in tenant-occupied space at Wurtsmith, please provide all necessary details (nature, timing, implications for occupancy). 12 Jun 2024: RAB members asked if the new Kalitta hangars are included in the vapor intrusion remedial investigation.	Mike Munson	AFCEC	21-Aug-24	As presented at the 20 November 2024 Restoration Advisory Board (RAB) meeting, all four quarters of planned sampling and reporting have been completed at four buildings as part of the accelerated (Immediate Sampling) investigation for the on-going Vapor Intrusion (VI) Remedial Investigation (RI). The four buildings are located at Installation Restoration Program (IRP) Sites SS008 (Buildings 5067 and 5068) and SS021 (Buildings 25 and 43). Of the four buildings, Building 25 is the only building that warranted an interim response action. Following Quarter 2, access to this building was restricted. These sites will continue through the CERCLA process, including additional VI data collection and evaluation efforts as part of the overall RI, and a feasibility study, to determine if long-term exposure risks are present. If unacceptable risks are determined to be present for the site(s), remedial alternatives will be evaluated to determine the most protective and feasible mitigation efforts. At that juncture, a proposed plan will be prepared for public comment, at which point the RAB and other stakeholders will have the opportunity to comment on the selected remedial alternative.	Ongoing	12-Dec-24
152	12-Jun-24	Provide an update to the RAB on the non-AFFF PFAS investigation to include percentage of responses on questionnaire.	Mark Henry	AFCEC	21-Aug-24	The BRAC Due Diligence Research for Sources of PFAS Other Than AFFF project continues to make progress. Interviews with persons familiar with the installations are complete; however, any newly identified persons with information on products used at Wurtsmith can be interviewed. The project continues to compile information on sources of PFAS other than AFFF used at BRAC installation. As the list continues to grow, the schedule for report completion moves to the right. Regarding the interviews for knowledge of PFAS sources other AFFF at Wurtsmith, 17 people were identified by the Air Force for interviews; 8 people were interviewed and 9 either declined, were unresponsive, or were unreachable. 22 people called in response to the flyer posted in the community; 1 person was interviewed and 21 either had questions, declined the interview, or decided they lacked knowledge.	Ongoing	18-Aug-24
153	21-Aug-24	Request for EGLE's response to the question raised by Mark Henry at the technical session about whether contaminated groundwater above GSI criteria (12ppt) will be allowed to continue venting to surface water before the final remedies are completed.	David Winn	EGLE			Ongoing	
154	21-Aug-24	Request for a response from the Air Force to the question of if they plan on using the testing method outlined by Dave Carmona at the 20 Aug 24 technical session or use any of this information for future studies regarding the foam on Van Etten Lake.	David Winn	AFCEC		Need clarification from Dave Winn regarding what testing method he had in mind. The presentation doesn't mention any.	Ongoing	18-Sep-24
155	21-Aug-24	Request that any future press releases related to Wurtsmith be provided to the RAB members.	Cathy Wursterbarth	AFCEC			Ongoing	
156	21-Aug-24	Request that the data gap investigation define the PFAS contamination on privately owned beaches on Van Etten Lake and include that data in the RI.	Mark Henry, Arnie LeRiche	AFCEC		Investigation of private beaches/yard is included in the data gap investigation scope.	Ongoing	17-Feb-25
157	21-Aug-24	Request to include identifying where the plumes are venting to the surface water on Van Etten Lake as part of the data gap investigation and included in the RI.	Mark Henry	AFCEC		The Air Force plans to have a meeting with the RAB to discuss the data gap investigation scope prior to awarding the contract.	Ongoing	17-Feb-25
158	21-Aug-24	Answer the following questions "What were the criteria that was set for the soil and sediment screening, and what was the basis of the criteria used for the soil screening and for the sediment screening?"	Bob Delaney-Community Member	AFCEC		Screening criteria for all media are included in the UFP-QAPP (Feb 2022) and Addendum (Apr 2024). The UFP-QAPP Addendum that will be prepared for the data gap investigation will included updated criteria where new or updated criteria are available for use.	Ongoing	18-Sep-24
159	21-Aug-24	Request to release the independent Noblis report done for the AAA IRA in its entirety.	Kelly Lively - Senator Peters office	AFCEC		The intention of the Noblis technical memorandum was to identify any additional data needs to ensure the Aircraft Alert Area remedy would accomplish its goals. The results of the review were presented at a special technical session on 13 Nov 24. The results presented at the technical session encompass everything contained in the memorandum and identified during the independent review.	Ongoing	18-Sep-24



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160	18-Sep-24	Does the AF plan to address foam collecting at the Van Etten Lake dam as an interim remedial action.	Cathy Wusterbarth	AFCEC			Ongoing	
161	21-Aug-24	M. Henry made a short presentation showing locations of WAFB PFAS groundwater plumes and where the Risk Assessment samples were collected (on RAB website). Only a small percentage of the sediment and aquatic flora samples were collected in high concentration PFAS areas. Request that AF and EGLE discuss and correct this disparity.	Mark Henry	AFCEC		Additional sampling will be evaluations as part of the data gap investigation to complete the PFAS remedial investigation. Sampling will be discussed with the RAB prior to preparation of the UFP-QAPP addendum.	Ongoing	17-Feb-25
162	20-Nov-24	Request for the AF to either pay the fine imposed or come to another agreement with EGLE regarding the notice of violation they issued to OWAA for the storm sewer PFAS exceedances at 3-Pipes ditch.	Michael Munson	AFCEC		EGLE will provide a presentation at the 19 Feb 2025 RAB meeting clarifying the notice of violation.		17-Feb-25
163	20-Nov-24	Request for AF to expedite the investigation of the sanitary sewer contamination to determine if the AF is responsible for the contamination and to prevent Oscoda township from taking on debt to correct the issue if it is proven to be legacy AF contamination.	Mark Henry	AFCEC		The Air Force plans to complete an evaluation of the sanitary sewer system to identify where PFAS from historical Air Force releases may be entering the system as part of the completion of the PFAS remedial investigation.		17-Feb-25
164	20-Nov-24	Request for an update on open AIs that have not been recently updated and to implement a plan to more regularly update each AI.	Arnie LeRiche	AFCEC				
165	20-Nov-24	Request for an orientation / review meeting with RAB members and the new AF leadership team.	Arnie LeRiche	AFCEC		An update on the realignment of the BRAC team within the Air Force Civil Engineer Center will be provided during the 19 Feb 2025 RAB meeting.		17-Feb-25
166	20-Nov-24	Can the AF reimburse homeowners that paid to connect to their home to the municipal water water system?	Tim Cummings	AFCEC		Information regarding possible reimbursement by the Air Force is included in the 19 Feb 2025 RAB meeting slides.		17-Feb-25

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1	2-Aug-17	The Air Force will develop a Wurtsmith-RAB-specific acronym list for RAB members.		Air Force			Closed	19-Sep-17
3	2-Aug-17	The Air Force will provide an overview of the CERCLA process; explaining the process from site discovery to site closure.		Air Force			Closed	19-Sep-17
5	2-Aug-17	The Air Force will create a frequently asked questions (FAQ) sheet concerning RABs and the Wurtsmith environmental program for RAB members.		Air Force			Closed	19-Sep-17
7	19-Sep-17	Community co-chair election		All			Closed	1-Nov-17
9	18-Jan-18	Specify which documents are available at the information repository and which are available elsewhere (including detailed location/website link);		Air Force (M. McClendon)			Closed	18-Apr-18
11	13-Feb-18	Modify the FY18 Project Summary document by adding out-of-cycle funding requests and other projects.		Air Force (M. McClendon)		Included in meeting packet for 6 June 2018 RAB meeting. Will also be addressed under AI 21.	Closed	18-Apr-18
12	13-Feb-18	Discuss how to integrate CERCLA and NEPA processes when USFS permitting requirements interact with the environmental restoration program at the former Wurtsmith AFB.		Air Force (M. Marrs) and USFS (T. Martoglio)		DoD determined NEPA does not apply to response actions that fully comply with CERCLA and the NCP. The Air Force will cooperate with USFS for any requirements they have for actions proposed on USFS lands. AF and USDA Forest Service have five year memorandum of agreement. This topic will be addressed in this document.	Closed	18-Apr-18
13	13-Feb-18	Inform RAB members about the effectiveness of a resin exchange system (as compared to traditional PFOS/PFOA treatment systems such as GAC filtration).		Matt Marrs		AF: It is premature to try and present factual information on this. Resin for use for PFCs is in its infancy. It will take several years of experience to be able to provide any reliable information on resin for PFCs. We will provide information as it becomes available. Right now Pease and Reese are using the resin technology and, when case studies are developed from that experience, presentations can be developed. Closed as an AI and consolidated with FAI 7.	Closed	18-Apr-18
2	2-Aug-17	Properly orient attendees to maps and figures when they are presented at RAB meetings and ensure that they are easily viewable.		All presenters		This was converted from an AI to a RAB meeting standard.	Closed	3-May-18
4	2-Aug-17	When presenters discuss the EPA's Heath Advisory for PFOS/PFOA or other regulatory standards, indicate what environmental media they are talking		All presenters		This was converted from an AI to a RAB meeting standard.	Closed	3-May-18
6	2-Aug-17	When presenters discuss PFOS/PFOA levels, convert all measurements into parts per trillion.		All presenters		This was converted from an AI to a RAB meeting standard.	Closed	3-May-18
8	1-Nov-17	Clarify for RAB members the PFAS historical timeline, purpose, schedules, and locations of the GAC unit(s) [Arrow St and Benzene pump and treat systems]. Describe the information the Air Force has provided to the community about siting the GAC unit(s).		Air Force (M. Marrs)		AF: One GAC treatment plant is in place a FT-02 and has been operating since March 2015. Only other GAC is for APTS and BPTS is scheduled for operation in August this year.	Closed	3-May-18
10	13-Feb-18	Determine whether the contractor, which is constructing the GAC treatment plant, will be penalized for construction delays.		Air Force (M. Marrs)		There are no liquidated damages built into the contract for the GAC facility. All contracts are reviewed and performance ratings are assigned based upon the contractor's success in meeting milestone dates for Wurtsmith.	Closed	3-May-18
14	13-Feb-18	Provide official AF response to source ownership of AFFF contamination near the High School.		AFIMSC/PA		AF provided statement to Mlive and in the 18 April 18 RAB follow-up Q&As emailed to the RAB on 4 June 18. The Air Force is providing a clarified statement in the 30 August Q&As that will be emailed to RAB members.	Closed	4-Jun-18

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16	6-Jun-18	Provide high quality maps		AFIMSC/PA		Provided 10 large-sized, high quality laminated maps that are reusable for future RAB meetings	Closed	4-Sep-18
15	6-Jun-18	Convey the RAB members' request that the Assistant Secretary of the Air Force and the Assistant Secretary of Defense meet travel to Oscoda, MI to meet residents who have been impacted by PFOS/PFOA contamination.	Bill Gaines	Air Force (Marrs)	TBD	SAF/IE visit took place in April 2019.	Closed	24-Apr-19
17	31-Jan-19	Senator Gary Peters sent a letter to Secretary Wilson inviting the secretary and Assistant Secretary Henderson to meet with community members and MDEQ officials.	Senator Gary Peters	SAF		Visit took place 24 April 2019.	Closed	24-Apr-19
21	23-Apr-19	Update Wurtsmith RAB form with more inclusive wording	Bill Gaines	AFIMSC/PA		PA updated Wurtsmith RAB Application with wording used in OPs -- advertising to individuals/towns impacted by Wurtsmith environmental restoration activities, not focused exclusively on Oscoda. Updated nomination form with autosubmit available online.	Closed	6-May-19
19	12-Apr-19	Add tabs for Community RAB pairings/Term info	Arnie Leriche	AFIMSC/PA			Closed	1-Jun-19
24	24-Apr-19	Written question from public comment period: Is any data available as to what the efficiency of the new GAC system is operating at? (central treatment)	David Winn	AFCEC/BRAC		Submitted response and included in 24 April RAB meeting minutes	Closed	1-Jul-19
22	23-Apr-19	Request for AF to add RAB materials to AR	Arnie Leriche	AFCEC/BRAC		Response sent to Mr. Leriche. RAB materials will continue to be available in IR and on website	Closed	22-Jul-19
18	1-Feb-19	Clarify Air Force response in 7 Dec. letter to EGLE and provide more concrete answers to questions pertaining to Clark's Marsh and other areas of concern.	Robert Tasior	AFCEC/BRAC		Q&A sent via email on 24 July 2019.	Closed	24-Jul-19
20	23-Apr-19	Connect with Community RAB members and offer meeting date/time options for a work session to discuss voting procedures.	Robert Tasior	Arnie Leriche	7-May-19	Community RAB work sessions were held: 7/11, 7/12, 7/24	Closed	24-Jul-19
23	24-Apr-19	Advertise RAB membership opportunities	Arnie Leriche	AFIMSC/PA		Vacancies filled on 11 Sep 19	Closed	11-Sep-19
25	11-Sep-19	Assign/determine alternates for primary members to serve as backups. Alternates can sit in for other primary members as needed, but alternates and primaries are paired together to support consistency as much as possible.	NA	Arnie Leriche		Completed in November 2019	Closed	1-Nov-19
30	13-Feb-18	Provide GAC Treatment Plant plans to the Oscoda Planning Commission.	Robert Tasior	Air Force (Marrs)	6-Jun-18	A disk with completed design could be provided to the planning board for their records. Now that the project is complete a "As Built" copy will be available soon and will be available for review at the Bay West office location with coordination with BW staff.	Closed	19-Mar-21
31	13-Feb-18	Determine agency responsible for addressing sample results that exceed the EPA lifetime HA for PFOS/PFOA at the plumes near the high school.		MDEQ (Delaney), MDHHS	18-Apr-18	The AF defers this action item to MDEQ and MDHHS.	Closed	19-Mar-21
32	13-Feb-18	Provide responses to questions posed about thoroughness of PA.		Air Force (Marrs)	30-Aug-18	Matt Marrs and Saamih Bashir conducted a technical presentation on the PA and addressed each concern site by site to clarify AF actions.	Closed	19-Mar-21

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33	18-Apr-18	Air Force and OWAA coordinate to deconflict investigative/remedial activities and airport operations.		Air Force (Marrs) OWAA (Munson)	Ongoing	The AF is diligently working with both OWAA and the Township to foster a better working relationship. This action item will remain open for the near future.	Closed	19-Mar-21
34	6-Jun-18	Request environmental assessment of the Former Wurtsmith AFB.	Jeff Moss	TBD	TBD	All sites on the former WAFB are being assessed environmentally under CERCLA and the first two phases of that "environmental assessment" have been completed base wide and highest priority sites have progressed beyond that with SSI. The SSI is ongoing at this time and the AF is committed to protecting Human Health and the Environment at Former Wurtsmith AFB. As long as the Supplemental SI CERCLA is ongoing this action item needs to remain on-going.	Closed	19-Mar-21
35	30-Aug-18	Provide information on discharge monitoring frequency requirements and sampling analysis plan.		Air Force (M. Marrs) MDEQ	TBD	A member of the community asked if the AF is responsible for monitoring its own discharge and reporting compliance. The AF consistent with all other responsible parties in the State, samples and reports results in accordance with agreed upon monitoring plans. AF also conducts sampling and analysis according to an approved sampling and analysis plan. Regulators have oversight over compliance with these plans and activities. The analysis done by independent third party labs (often same labs used by the State) are certified and follow approved standard operating procedures. A hard copy of analytical data and associated reports will be posted at the Public Library in Oscoda. A final document will be uploaded into the Wurtsmith Administrative Report repository.	Closed	19-Mar-21
36	30-Aug-18	Community and NOW request that AF consider funding, or cost-sharing, recording/streaming future RAB meetings		AFIMSC/PA	5-Dec-18	PA submitted request to BRAC and PA leadership. PA agreed to fund quarterly RAB meetings for the following year beginning 5 Dec. The AF will use venue support contract to pay \$455 per meeting for four meetings. This will cover 1 camera, audio support, projector, set up and access to recorded material following the meeting.	Closed	19-Mar-21
37	30-Aug-18	HSRUA water sampling and results program for PFAS should be shared and reports made available.		Oscoda Township		Samples were taken on Nov. 15, 2018 and all PFAS compounds analyzed at HSRUA were non-detect.	Closed	19-Mar-21
38	9-Nov-18	Return former RAB documents to library IR		AFIMSC/PA	5-Dec-18	Former librarian had old IR files removed by the AF. Mr. Cummings asked for them to be returned. PA looked into the file storage situation and learned that the old IR was eliminated due to lack of storage space and availability of files on AR. The AF is working with the Township to clarify IR storage vs AR moving forward since both are being maintained as of Aug. 2017	Closed	19-Mar-21
39	5-Dec-18	Greg Cole requested additional technical training for RAB to better understand CERCLA process and AF actions/decisions.	Greg Cole	AFIMSC/PA		Recommend RAB apply for TAPP resources to receive training from CERCLA program experts/administrators. AFIMSC/PA will communicate recommendation. TAPP application AI will be assigned to community co-chair.	Closed	19-Mar-21
40	11-Sep-19	Determine where RAB fits in the ESI process for reviewing the report.	Arnie Leriche	AFCEC		The Final ESI Report for PFOS/PFOA was made available to the public via the on-line Administrative Record on 5 Feb 20. The link to the AR is: http://afcec.publicadmin-record.us.af.mil/Search.aspx . The Air Force will present the ESI's results at the next Restoration Advisory Board meeting, currently planned for 18 Mar 2020. Community comments on the ESI will be addressed as part of the scoping of the planned PFOS/PFOA RI at former Wurtsmith.	Closed	19-Mar-21
41	11-Sep-19	Provide a timeline for RI and cleanup.	Scott Lingo	AFCEC		The USAF has received funds to allow for the award of the RI for PFOS/PFOA in 2020. Once the RI is complete, the next step in the CERCLA process is a feasibility study (FS) to evaluate remedial alternatives to address unacceptable risk. Because the USAF cannot predict Congressional funding levels into the future, a timeline cannot be provided for the other phases of the CERCLA process at this time.	Closed	19-Mar-21

AI #	Request Date	Action Item	Requester	Owner	Due Date	Comments/Resolution	Status	Date Closed
42	30-Aug-18	Develop a CERCLA-based project list with line items describing the requirements and current actions of all restoration and investigation sites on and off base.	Arnie Leriche	Co chairs	TBD	See response to AI #75	Closed	19-Mar-21
43	23-Apr-19	Develop a visual map of PFOS/PFOA areas and impacted media and site prioritization/hierarchy.	John Nordeen & Tim Cummings	AFCEC		This item could be developed following ESI findings and data	Closed	19-Mar-21
44	24-Apr-19	AI review at next RAB meeting	Jeff Moss	AFCEC		Reserve agenda time for AI review. Send updated tracker to full RAB for review/input ahead of meeting and request feedback. Spend at least 20 minutes reviewing tracker and ensuring accuracy, updated.	Closed	19-Mar-21
45	15-Apr-20	Address contamination at Clark's Marsh	Mike Munson	AFCEC		Upcoming RI investigation	Closed	19-Mar-21
46	15-Apr-20	Provide written clarification on the term "interim mitigation action."	Arnie Leriche	AFCEC		The phrase "interim mitigation action" is not used by the Air Force. Per AFI 32-7020, Attachment 2, Table A2.1, CERCLA uses the phrase Interim Remedial Action: "May be conducted at any point in the RCRA or CERCLA process to mitigate imminent risk, stabilize the site, or contain contamination from further migration."	Closed	19-Mar-21
47	15-Apr-20	Mr. Tasior suggested making Congressman Kildee's statement about the \$13.5 million into an action item. Mr. Gibson approved.	Robert Tasior	AFCEC		Congressman Kildee's Statement: Congressman Kildee's Statement: <input type="checkbox"/> "I want to zero in on what obviously seems to be a point of contention. My comment is simply this: I know what the congressional intent was, I'm the member of Congress that helped push this through with my colleague, so I'm asking the Air Force to use the majority of this money that we intended to be used for mitigation efforts for the purposes that they were intended for. If it takes additional action by Congress, believe me, this has been an informative conversation for me and I will make sure that we take additional action. I simply ask that as a person who was a witness to the intent of Congress and has been working with members of the House and the Senate on both sides of that aisle, when there is an imminent and substantial danger, Congress has appropriated that money to clean up the danger, and that needs to be the focus. " Rep Kildee met with Mr Henderson (ASAF) on 25 Aug 20 and addressed Rep Kildee's concerns.	Closed	19-Mar-21
48	15-Apr-20	Regarding the Surface Water Foam on Van Etten Lake, is the Wurtsmith AF team aware of DoD's SERDP study ER19-1205 (originated in Oct,2018) where Oregon State Univ. started sampling on VEL for investigating foam & SW concentrations, "enrichments" or significant increase by Factors of 400 to 4,000 times increased? Preliminary data will be sent to AF for RAB mtg record.	Arnie Leriche	AFCEC		Answer provided in Meeting Minutes: AFCEC is aware of all SERDP/ESTCP-funded research and participates on the technical selection and oversight committee. In general, research results are incorporated into the Air Force's remediation work through the commercialization of new technologies and/or SOPs. Specifically in regard to ER19-1205, the primary objectives are to 1) determine factors that impact PFAS stratification in water; 2) systematically evaluate bias from field materials and sampling procedures; and 3) quantify the impact of laboratory sample hold times.	Closed	19-Mar-21

AI #	Request Date	Action Item	Requester	Owner	Due Date	Comments/Resolution	Status	Date Closed
49	15-Apr-20	Address the NOW priority statement "It is Need Our Water's top priority to have the Air Force stop the flow of PFAS contaminations into all Oscoda-area surface waters by no later than 2023, including remediation with the utmost speed and urgency of the PFAS plumes impacting Van Etten Lake."	Cathy Wusterbarth	AFCEC		Answer provided in Meeting Minutes: There is sufficient data to know that the PFOS/PFOA plumes are not being fully captured by existing extraction well systems. However, as the EGLE's comments on the ESI point out, there are data gaps that must be addressed prior to completing the design of final remedial actions. The RI will provide the necessary data to design the remedial actions, including interim remedial actions. The information gathered in the RI will enable the Air Force to conduct any needed interim remedial actions, including the construction of additional treatment systems or expansion of current treatment systems. Specific interim remedial actions that the Air Force is considering at this time include expansion of the capture fields to better control migration of PFOS and PFOA at the former fire training area FT002 site by Clark's Marsh and expanding the Central Treatment System and adding additional extractions wells to address the PFOS/PFOA plume migrating towards Van Etten Lake and Air Force Beach. Early in the RI, data will be collected to verify work plans for these actions and, in consultation with EGLE, the design and installation of these interim actions. The current funding for the RI includes these interim actions. The Air Force anticipates that the construction will begin in 2021 and operation of the interim remedial actions associated with expanding the FT002 and the Central Treatment systems will be accomplished by 2022. Groundwater monitoring data will be collected to evaluate the effectiveness of these interim remedial actions and these data will be shared with the RAB.	Closed	19-Mar-21
50	21-Jul-20	Air Force provide the design plans showing the location of new wells for remedial investigation and for interim remedial actions prior to prior to finalization of the plans	Mike Munson/OWAA	AFCEC		See response to AI 72	Closed	19-Mar-21
51	22-Jul-20	Request AF and EGLE make a full list and a map of known sources and plumes that have not been investigated across entire base, submit within 2 months prior to next RAB. Reference original action item from Feb 2018.	Arnie Leriche			See figures provided to Rep Kildee 25 Aug 20.	Closed	19-Mar-21
52	22-Jul-20	Determine extent of area the RI will cover	David Winn	AFCEC		See presentation on the RI at the Oct 2020 RAB	Closed	19-Mar-21
53	22-Jul-20	AF provide copy of contract awarded for RI	Martha Gottlieb	AFCEC		The contract cannot be provided to the public. The awardee, amount of contract, and period or performance of the RI were shared at the Oct 2020 RAB.	Closed	19-Mar-21
54	22-Jul-20	Send out doodle poll to establish a date for AFCEC set up a virtual meeting with advertisement to attend RRSE training	David Gibson / Arnie Leriche	AFCEC/BRAC & AFIMSC/PA		Completed	Closed	19-Mar-21
55	11-Sep-19	Request USAF review and comment on MCLs to eliminate delays.	Arnie Leriche	AFCEC		The Department of Defense is evaluating Michigan's proposed amendments to "Administrative Rules for Supplying Water to the Public" rule, which creates MCLs for several PFAS constituents based on health based values (HBVs).	Closed	19-Mar-21
56	11-Sep-19	Request for an investigation for the contamination in the area between the WWTP and AuSable River - when will this take place and by who?	Jeff Moss	AFCEC		The area between the WWTP and AuSable River will be addressed during the scoping of the RI for former Wurtsmith.	Closed	19-Mar-21
58	30-Aug-18	Provide more information on prospective housing growth near Clark's Marsh.		OWAA (Munson) Oscoda Township	TBD	Township interested in whether or not that site would be re-prioritized to support that growth and development. Matt asked for more info on potential plans to provide a meaningful response. Superseded by AI 72.	Closed	19-Mar-21
59	5-Dec-18	Update Ops regarding voting rules		Community RAB members		Awaiting input from community work session. See AI 81 and response	Closed	19-Mar-21

AI #	Request Date	Action Item	Requester	Owner	Due Date	Comments/Resolution	Status	Date Closed
60	5-Dec-18	Provide more info on sites requiring soil-gas surveys	Jeff Moss	AFCEC		The final VIAP work plan, which defines the soil-gas survey, will be posted on the AR and a copy will be placed in the IR. Completed 3 Nov 20. (https://ar.afcec-cloud.af.mil/ ; AR#603473)	Closed	19-Mar-21
61	5-Dec-18	Provide more info on VI study. Bill Gaines asked how sites were assessed for VI exposure risk.	Bill Gaines	AFCEC		The vapor intrusion work plan provides the details on the selection of sites included in the study. Three quarterly rounds of soil gas sampling for volatile organic compounds is has been collected. A report will be prepared in the April 2021 timeframe that will recommend any further action(s), as required.	Closed	19-Mar-21
64	22-Jul-20	What is design GPM of the ground water at the plants?	Matthew Siler	AFCEC		The design capacity for CTS is 500 gpm and for MPTS is 200 gpm. The original flow requirement to capture PFAS at FT002 was 240 gpm. The FT002 treatment system will have a capacity of up to 500 gpm after the IRA at Clark's Marsh is constructed.	Closed	19-Mar-21
65	22-Jul-20	PTS status slides: 95% operational run time seems low for PFAS contaminants. What are good engineering practices for hazardous contaminants. What are significant causes for downtime and how can improvements be made to approach 100%.	Arnie Leriche	AFCEC		According to the USEPA, 95% operational runtime is within acceptable limits for pump and treat systems (https://semspub.epa.gov/work/HQ/174138.pdf). All pump and treat systems require regular maintenance and include filter media change-out and other maintenance such as backwashing and changing of bag filters etc. Additionally, wellfield maintenance (i.e., pump cleaning) may require system shutdown. Achieving a 100% runtime is not a practical goal for pump and treat systems.	Closed	19-Mar-21
67	22-Jul-20	Request AF factor in 7 MCLs as AF designs Interim actions during RI	Rex Vaughn	AFCEC		The Van Etten Lake and Clark's Marsh IRAs will meet the discharge requirements as outlined in the respective SRDs for the CTS and FT002 treatment systems.	Closed	19-Mar-21
68	22-Jul-20	Provide details of the remedy to the RAB Need for information in the description		AFCEC		Details of the interim remedial actions and remedial investigation are shared with the RAB as the designs and work plans progress. The RAB also has insight to the IRA and RI through the BCT Scoping meeting summaries that are placed in the IR. AI is closed and details of remedies will be provided to the RAB as standard process.	Closed	19-Mar-21
69	22-Jul-20	(Supplement Bill Gaines' Action Item on Human Health Risk Screening criteria for wildlife): Has AF reviewed and included EPA's HHRisk Screening criteria used at Pease in 2017 for their SI/ESI? Wurtsmith team did not do a HH Risk screening in their ESI. Now, will AF RI Contractor add those EPA Criteria to their scoping workplan?	Arnie Leriche	AFCEC		As stated in 40 CFR §300.430 remedial investigations include risk assessments. Specifically, "The purpose of the remedial investigation (RI) is to collect data necessary to adequately characterize the site for the purpose of developing and evaluating effective remedial alternatives. To characterize the site, the lead agency shall, as appropriate, conduct field investigations, including treatability studies, and conduct a baseline risk assessment. The RI provides information to assess the risks to human health and the environment and to support the development, evaluation, and selection of appropriate response alternatives." Data available should be analyzed in accordance to CERCLA and DoD policies/guidance. The Department of Defense Remediation Plan for Cleanup of Water Impacted with Perfluorooctane Sulfonate or Perfluorooctanoic Acid dated June 2020 was submitted to Congress (https://media.defense.gov/2020/Jul/10/2002451983/-1/-1/1/DOD_REMEDIATION_PLAN_FOR_CLEANUP_OF_WATER_IMPACTED_WITH_PFOS_OR_PFO.PDF).	Closed	19-Mar-21
70	18-Apr-18	Describe extent, and sources of, contamination on National Forest system land (specifically Clark's Marsh). Indicate which party was responsible for contaminating Clark's Marsh.		AFCEC	Ongoing	Clark's Marsh is a part of the Air Force study as it is downgradient from the former Fire Training Area. In 2015, the Air Force installed a groundwater treatment system at the former fire training area to mitigate impact to Clarks Marsh. The Air Force's Supplemental Site Inspection work includes further investigation of the area. This is part of the SSI investigation as well as work which is being done at FT-02. It will be on-going for the near future.	Closed	19-Mar-21
71	15-Apr-20	Proposed discussion about the in-situ biodegradation at SS057 and the ESD at LF30/31 at the next RAB	Mark Henry	AFCEC		A summary of the operations at SS057 will be provided at the Jan 2021 RAB.	Closed	19-Mar-21

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74	18-Apr-18	Describe extent, and sources of, contamination on National Forest system land (specifically Clark's Marsh). Indicate which party was responsible for contaminating Clark's Marsh.		AFCEC	Ongoing	Clark's Marsh is a part of the Air Force study as it is downgradient from the former Fire Training Area. In 2015, the Air Force installed a groundwater treatment system at the former fire training area to mitigate impact to Clarks Marsh. The Air Force's Supplemental Site Inspection work includes further investigation of the area. This is part of the SSI investigation as well as work which is being done at FT-02. It will be on-going for the near future.	Closed	19-Mar-21
76	30-Aug-18	Provide more information on prospective housing growth near Clark's Marsh.		OWAA (Munson) Oscoda Township (Cummings)	TBD	Township interested in whether or not that site would be re-prioritized to support that growth and development. Mr Munson addressed this AI at the Oct 2020 RAB: FAA flight path precludes development of new housing.	Closed	19-Mar-21
77	23-Apr-19	Develop a visual map of PFOS/PFOA areas and impacted media and site prioritization/hierarchy.	John Nordeen & Tim Cummings	AFCEC		The information provided at the Oct 2020 RAB should have satisfied this request.	Closed	19-Mar-21
78	11-Sep-19	Request USAF review and comment on MCLs to eliminate delays.	Arnie Leriche	AFCEC		DOD cannot review state MCLs to determine if they are potential ARARs until they are promulgated.	Closed	19-Mar-21
79	11-Sep-19	Determine where RAB fits in the ESI process for reviewing the report.	Arnie Leriche	AFCEC		Draft documents are protected by a privilege called "deliberative process." This privilege allows the Air Force to freely discuss draft documents internally and to candidly collaborate with EGLE representatives on those drafts. These discussions are not open to other parties—not even to the RAB. The Freedom of Information Act recognizes this privilege as a way of protecting the decision-making process. However, the privilege would be waived if we disclosed draft documents to any member of the public. The RAB has the opportunity to review the ESI when the document has been generated and has ability to provide public comments during the public comment period.	Closed	19-Mar-21
80	11-Sep-19	Request for an investigation for the contamination in the area between the WWTP and AuSable River - when will this take place and by who?	Jeff Moss	AFCEC		PFAS RI will address this comment.	Closed	19-Mar-21
82	11-Sep-19	Provide a timeline for RI and cleanup.	Scott Lingo	AFCEC		RI is addressing this AI.	Closed	19-Mar-21
57	18-Apr-18	Provide status of (and release) the EGLE/MPART report entitled "Modeling of PFAS Plumes Migration and Source."		EGLE	TBD	Michigan EGLE has no report by that name. The Department did release a report named CAPTURE ZONE DELINEATION AT FORMER WURTSMITH AIR FORCE BASE (WAFB) accompanied by a letter from Sue Leeming dated August 28, 2019. This report is available under All Wurtsmith Documents at Michigan.gov/Wurtsmith or https://www.michigan.gov/documents/pfasresponse/WAFB_Capture_Zone_Report_631415_7.pdf	Closed	24-May-21
62	15-Apr-20	The Department of Defense is sponsoring an ongoing PFAS Enriched Lake Foam Study by Dr. Jennifer Fields from Oregon State University (and others from MSU). Her efforts have resulted in published reports on lake foam enrichment that are worthy of consideration during the investigation(s) at WAFB. Furthermore, the local health department has posted signage highlighting the dangers for children of ingesting foam and/or having it on their skin. That highlights significant health hazards for a recognized vulnerable population not related to the AF's cited drinking water priority. Has the Air Force utilized any information from that study? If not, then why not?	Rex Vaughn	AFCEC		They haven't published anything on foam yet; interrogating the sources of PFAS in lake foam isn't a major component of the subject project (ER19-1205). They have measured PFAS as well as many different organic acids in the foam, but concentrations are dependent on the sampling technique. Bottom line is that the foam is a combination of PFAS and other (naturally-occurring) surfactants. Regarding the Surface Water Foam on Van Etten Lake, is the Wurtsmith AF team aware of DoD's SERDP study ER19-1205 (originated in Oct,2018) Provided via email April 6, 2021 https://www.serdp-estcp.org/Program-Areas/Environmental-Restoration/Risk-	Closed	5/24/2021
63	22-Jul-20	Request effluent test results 2020 analysis for PFHxS for all three plants	Aaron Weed	AFCEC		The results for PFHxS will be provided at the Jan 2021 RAB. Provided via email April 13, 2021	Closed	5/24/2021

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85	20-Jan-21	Provide SERDP study concerning PFAS foam to the RAB.	Arnie Leriche	AFCEC		Provided via email April 6, 2021. Reference AI 62.	Closed	24-May-21
89	20-Jan-21	Provide a list and map of all IRP sites to the RAB.	Arnie Leriche	AFCEC		Provided via email April 5, 2021	Closed	24-May-21
66	22-Jul-20	Do the effluent concentrations that are coming out of the plant now meet the new proposed MCLs for the additional PFAS contaminants?	Mark Henry	AFCEC		The CTS, MPTS, and FT002 treatment systems meet the discharge requirements as outlined in their respective Substantive Requirements Documents (SRDs). The SRDs are not groundwater cleanup criteria therefore, the MCLs are not applicable to the discharge.	Closed	12/6/2021
81	11-Sep-19	Assign/determine alternates for primary members to serve as backups. Alternates can sit in for other primary members as needed, but alternates and primaries are paired together to support consistency as much as possible.	Arnie Leriche	Mark Henry		This can be discussed and determined by the community group and reported back to the Air Force for record keeping purposes. Mark Henry to respond to this AI. This was addressed by the operating procedures, which were adopted on 17 November 2021.	Closed	6-Dec-21
83	20-Jan-21	Notify RAB of actual amount budgeted for environmental restoration of the Former Wurtsmith AFB. Specify actual budget amounts for PFAS investigation/remediation.	Arnie Leriche	AFCEC		Addressed by AI 95.	Closed	6-Dec-21
91	21-Jul-21	Michigan EGLE to advise the RAB members when BCT meeting minutes will be publicly available.	David Winn	Michigan EGLE (Beth Place)		Addressed by AI 93.	Closed	6-Dec-21
73	21-Oct-20	Air Force share the physical and exposure site Conceptual Site Models that will be used to develop the RI fieldwork.	Arnie Leriche	AFCEC	At completion of RI WP	The CSM will be shared with the RAB when the RI Work Plan has been completed. The final UFP-QAPP (WP) for the PFAS RI was posted to the AR on 22 Feb 2022 (ref AR #s 614877, 614879, 614930, 614932, and 614935).	Closed	3/4/2022
84	20-Jan-21	Provide CSM from the PFAS RI to the RAB as soon as possible. Include maps.	Mark Henry & Eric Keller	AFCEC		During the 20 Jan 2021 RAB meeting, Paula Bond stated the CSM will be included in the UFP-QAPP for the PFAS RI. During a 6 Dec 2021 co-chairs meeting, Dr. Varley indicated she expects a final QAPP prior to spring 2022. Reference AR #614877, #614879, #614930, #614932, and #614935.	Closed	4-Mar-22
90	21-Jul-21	Air Force coordinate to place portions of the RI WP on the AR so members of the public can view them.	Mark Henry	AFCEC		Draft UFP-QAPP, Remedial Investigation, Former Wurtsmith Air Force Base, Oscoda, MI – Ground Water Monitoring Well Sampling (AR # 610392); Draft UFP-QAPP, Remedial Investigation, Former Wurtsmith Air Force Base, Oscoda, MI – Soil Sampling (AR # 610833); Draft UFP-QAPP, Remedial Investigation, Former Wurtsmith Air Force Base, Oscoda, MI – Ground Water Monitoring Well Sampling Data (AR # 611071); Draft UFP-QAPP, Remedial Investigation, Former Wurtsmith Air Force Base, Oscoda, MI – Initial Vertical Aquifer Sampling (VAS) (AR # 611241); Draft Uniform Federal Policy for Quality Assurance Project Plans (UFP-QAPP), Remedial Investigation (RI), Former Wurtsmith Air Force Base, Oscoda, MI – Additional Initial Vertical Aquifer Sampling (VAS) (AR # 611371); Draft Uniform Federal Policy for Quality Assurance Project Plans (UFP-QAPP), Remedial Investigation, Former Wurtsmith Air Force Base, Oscoda, MI – Soil Sampling Data for Sites ST069, SS071 and FT002 (AR # 611666). Reference AR #614877, #614879, #614930, #614932, and #614935.	Closed	4-Mar-22
93	17-Nov-21	Advise RAB members when Michigan EGLE will provide comments to the Air Force concerning recent BCT meeting minutes. Thereafter, advise the RAB members when BCT meeting minutes will be publicly available.	David Winn, Arnie Leriche	Michigan EGLE (Beth Place)		This AI addresses AI 91, which was closed during the 6 December 2021 co-chairs' meeting. All BCT meeting minutes from CY2021 have been finalized and provided to RAB members. New format for memorializing BCT meetings should permit summaries to be released in a more timely fashion in the future.	Closed	4-Mar-22

AI #	Request Date	Action Item	Requester	Owner	Due Date	Comments/Resolution	Status	Date Closed
94	17-Nov-21	Determine whether BCT meetings can be transcribed. Consider the best process by which to release BCT meeting minutes and related information in a timely fashion.	Arnie Leriche	AFCEC		All BCT meeting minutes from CY2021 have been finalized and provided to RAB members. New format for memorializing BCT meetings should permit summaries to be released in a more timely fashion in the future. Air Force does not intend to prepare transcripts of BCT meetings.	Closed	4-Mar-22
86	20-Jan-21	Advise the RAB if the Air Force has groundwater discharge permits or a Substantive Requirements Document for discharge from LF030/LF031.	Mark Henry	Michigan EGLE (Beth Place)			Closed	25-May-22
95	17-Nov-21	Provide updated Wurtsmith fact sheet to RAB members. Include information about budget. Notify RAB of actual amount budgeted for environmental restoration of the Former Wurtsmith AFB. Specify actual budget amounts for PFAS investigation/remediation.	Arnie Leriche, Cathy Wusterbarth	AFCEC		This AI addresses AI 83, which was closed during the 6 December 2021 co-chairs' meeting. Steven Willis noted on 8 September 2022 that the Air Force is unable to provide current budget information, though aggregate historical spending information is publicly available.	Closed	8-Sep-22
97	25-May-22	Consider conducting one or two technical meetings for RAB members in between future scheduled RAB meetings. Review changes and updates to the CSM.	Mark Henry	AFCEC		Reference closed AIs 73 and 84. The intent of this AI will be addressed in the future as a meeting standard.	Closed	8-Sep-22
75	30-Aug-18	Develop a CERCLA-based project list with line items describing the requirements and current actions of all restoration and investigation sites on and off base.	Arnie Leriche	Co chairs	TBD	The 5 Year Review provides a summary for each site. The Third 5 Year Review (May 2009 to May 2014) is available on the AR (#598076). The Fourth Five Year Review (May 2014 to May 2019) is advancing through the review/coordination process. Provide BECOS QAPP upon completion. The intent of this AI will be addressed in the future as a meeting standard.	Closed	9/13/2022
72	21-Oct-20	Provide exact locations of future well drilling on OWAA property.	Mike Munson	AFCEC	Prior to granting access	The Air Force contractor is currently in discussions with OWAA on this matter. During the 12, 14 December 2022 RAB co-chairs meeting, the co-chairs closed this AI because there is regular, ongoing communication between the Air Force and OWAA. Steven Willis noted this is an iterative and ongoing process. Any wells drilled in the future will be based on step out sampling.	Closed	12/14/2022
103	17-Aug-22	Research status of any PFAS investigations at the jet fuel tank farms in Alcona County (north of Oscoda, Michigan). Determine if an aqueous film-forming foam fire suppression system existed at this site. Indicate whether this will be investigated as part of the PFAS RI.	David Winn	AFCEC		Submitted by David Winn following the 17 August 2022 RAB meeting. During the 12, 14 December 2022 RAB co-chairs' meeting, Steven Willis stated he briefed this topic at the 16 November 2022 RAB meeting. Mark Henry noted Beth Place, Michigan EGLE is researching this topic along with the Michigan EGLE district office in Gaylord, Michigan. Steven stated there is no further Air Force involvement.	Closed	14-Dec-22
112	15-Feb-23	Request that the USAF add signage to the system buildings to more easily identify them to the public	Cathy Wusterbarth	AFCEC		Mr. Willis stated that he felt that both Oscoda township and OWAA would prefer to not label these buildings, he will follow up with those organizations and get an official answer to the RAB. At the 17 May 2023 RAB meeting Mr. Willis stated that per BRAC policy these buildings would not be labeled. Later During the meeting Cathy Wursterbarth requested that this decision be reconsidered.	Closed	1-Aug-23
118	15-Feb-23	Respond to list of questions provided during the public comment period.	David Carmona – community member	AFCEC		Mr. Henry stated that he provided David with the AI list and passed David's list of questions on to Mr. Willis. Mr. Willis stated he would address David's questions. 1 Aug 23 Mr. Willis stated that the answers to his questions would be provided with the information from the previous technical session.	Closed	1-Aug-23
132	11-Aug-23	Provide RAB members with the environmental sequence stratigraphy report by Burns & McDonnell referenced in the provided CPA report for Wright-Patterson.	Arnie Leriche	AFCEC	21-Dec-23	Mr. Willis stated at the 30-Nov-23 co-chairs meeting that he will inquire about the report for the RAB.	Closed	30-Nov-23

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114	15-Feb-23	Suggest that EGLE split fish samples with the USAF so the samples can be processed in the same way that the state has been processing samples for comparison to their historically collected samples.	Mark Henry	EGLE		Fish samples were split by the AF lab and samples sent to EGLE's lab for analysis.	Closed	5-Dec-23
129	16-Aug-23	Request examples of recent and/or representative uses of the Critical Process Analysis	Arnie Leriche	AFCEC		Mr. Willis provided a sample CPA report for Wright-Patterson AFB.	Closed	5-Dec-23
104-C	17-Aug-22	Conduct additional IRA at the Three Pipes Drain.	David Winn	AFCEC	15-Jan-24	This site was evaluated as part of the critical process analysis and has been briefed to EGLE management, Mark Henry and Bob Delaney, and the RAB and public. A request for IRA funding is included in the FY25 budget while the CPA recommended IRA continues to be evaluated.	Closed	5-Dec-23
104-D	17-Aug-22	Conduct additional IRA at the wastewater lagoon and seepage beds.	David Winn	AFCEC	15-Jan-24	This site was evaluated as part of the critical process analysis and has been briefed to EGLE management, Mark Henry and Bob Delaney, and the RAB and public. A request for IRA funding is included in the FY25 budget while the CPA recommended IRA continues to be evaluated.	Closed	5-Dec-23
98	18-May-22	Respond to the letter Need Our Water sent to the Air Force in November 2021.	Cathy Wusterbarth	AFCEC		The co-chairs closed this AI during the 12, 14 December 2022 RAB co-chairs meeting because it is addressed by AI 92.	Closed	12-Dec-23
104-A	17-Aug-22	Conduct additional IRA at the Defense Reutilization and Marketing Office (also known as OT-45).	David Winn	AFCEC	15-Jan-24	The Air Force is working to award a contract for an IRA at DRMO in FY24. This site was evaluated as part of the critical process analysis and has been briefed to EGLE management, Mark Henry and Bob Delaney, and the RAB and public.	Closed	18-Feb-24
104-B	17-Aug-22	Conduct additional IRA at LF030/LF031.	David Winn	AFCEC	15-Jan-24	The Air Force is working to award a contract for an IRA at LF030/031 in FY24. This site was evaluated as part of the critical process analysis and has been briefed to EGLE management, Mark Henry and Bob Delaney, and the RAB and public.	Closed	18-Feb-24
130	16-Aug-23	Request that Mr. Mark Henry be involved with the Critical Process Analysis meetings	Scott Lingo / Kyle Jones	AFCEC		The CPA process does not have a mechanism for members of the public to participate in the CPA sessions in San Antonio. However, Mark Henry and Bob Delaney participated in the site visit in mid October with the CPA team prior to the meetings in San Antonio. The CPA findings and recommendations were discussed with Mark and Bob on 20 December 2023 prior to presenting them to the RAB and public.	Closed	19-Feb-24
135	16-Aug-23	Request that the comments provided by the RAB on the Alert Aircraft Area IRA proposed plan be addressed separately from the responsiveness summary in the ROD.	Cathy Wusterbarth	AFCEC		Comments will only be addressed in the record of decision responsiveness summary. Separate responses for individual or RAB comments will not be provided.	Closed	19-Feb-24
101	17-Aug-22	Provide a schedule for testing outflows from the Mission Street and Central Treatment System for PFAS content. Address whether stormwater sewer samples are included in the UFP-QAPP for the PFAS RI.	Bill Gaines, David Winn	AFCEC		Stormwater sampling has been completed and the results were provided to the RAB on a poster for the 21 Feb 2024 RAB meeting.	Closed	25-Mar-24
107	15-Feb-23	Conduct soil profile sampling for PFAS in former lagoon area associated with Building 5001, the jet engine test cell site.	Mark Henry	AFCEC		Sample were collected during the 2023 field season. The results were above ecological screening criteria but below the DoD residential screening criteria and were provided on the posters before the 21 Feb 2024 RAB meeting.	Closed	25-Mar-24
108	15-Feb-23	USAF should characterize and evaluate the WWTP sludge disposal trenches near LF30-31 for their PFAS content and discuss results with EGLE and the RAB.	Mark Henry	AFCEC		Soil samples were collected in this area and the results were below screening criteria. The results were provided on the posters before the 21 Feb 2024 RAB meeting.	Closed	25-Mar-24
111	15-Feb-23	Sample individual extraction wells at LF030 & LF031 for PFAS in addition to testing influent and effluent, to determine which of these wells is extracting PFAS.	Mark Henry	AFCEC		These wells have been sampled for the PFAS RI and the results were included on the posters for the February 2024 RAB meeting.	Closed	25-Mar-24

AI #	Request Date	Action Item	Requester	Owner	Due Date	Comments/Resolution	Status	Date Closed
116	15-Feb-23	Explore what needs to be done for analysis of soil and/or groundwater samples to be performed by Dean Wiltse's PFAS testing lab in Oscoda.	Cathy Wusterbarth	AFCEC		The Air Force took a tour of the lab on 20 Feb 2024 to see their capabilities. The Air Force and its contractors are evaluating what role the Wurtsmith lab could be used to fill.	Closed	25-Mar-24
121	17-May-23	Request that the Air Force post the presentation slides and AI list to the RAB website prior to each community RAB meetings.	Cathy Wusterbarth	AFCEC		Mr. Willis stated at the 6 June 2023 co-chairs meeting that his is being evaluated by USAF. 1 Aug 23 Mr. Willis stated that he would post a "draft presentation" prior to community RAB meeting from now on. Presentations were posted prior to 16-Aug-23 RAB, USAF will continue post them prior to each RAB. Slides and the action item list were posted for the Nov 23 and Feb 24 RAB meetings.	Closed	25-Mar-24
126	17-May-23	Request that the locations of the plumes on the study maps are clearer and include local landmarks.	Mark Henry	AFCEC		Recent clarification in DoD policy enable the Wurtsmith sampling maps to include the aerial background. The maps for the 21 Feb 2024 pre-RAB poster session included the aerial background.	Closed	25-Mar-24
136	16-Aug-23	Request that the PFAS RI soil delineation map include the plume overlaid on the soil map.	Dave Carmona	AFCEC		A map showing soil results and the PFOS plume was provided at the pre-RAB poster session on 21 Feb 2024.	Closed	25-Mar-24
138	6-Dec-23	Provide list of 20 sites where CSMs were prepared under a central project by the Air Force.	Arnie Leriche	AFCEC		A list of 27 Air Force installations with CSM reports available to the public on the Air Force administrative record was distributed to the RAB on 25 Mar 20.	Closed	25-Mar-24
100	18-May-22	Advise Oscoda Township personnel of the Air Force's plan for (a) storm sewer usage, (b) slip lining the main line that goes from the Central Treatment Plant to Van Etten Creek, (c) slip lining the Mission Street line discharging to Consumer's Ditch, and (d) paying for storm sewer usage.	Bill Palmer, Tim Cummings	AFCEC		(a) AF storm sewer usage will remain the same, (b) AF has no current plans to slip line the storm sewer system associated with the central treatment systems (c) AF is currently working with Oscoda township to slip line damaged portions of storm sewer line that the Mission Street treatment system uses, (d) Oscoda township is reviewing language of the ordinance. The AF provided a letter to Oscoda Township dated 13 May 2021 that identifies the monthly storm sewer use fee is willing to pay and the engineering study that supports this rate. The Township has indicated to the AF that storm water usage fees will not be charged to the AF or other system users.	Closed	12-Jun-24
122	17-May-23	Request that each AI has an assigned due date, and each AI is addressed at every RAB community meeting.	Cathy Wusterbarth / Arnie LeRiche	AFCEC		The co-chairs agreed at the 6 June 2023 meeting that from now on, between each RAB there will be a virtual meeting to review and discuss ongoing AIs. This will give an opportunity to review and give a timeline on each item. The most recent meeting was on 27 Mar 2024.	Closed	12-Jun-24
127	17-May-23	Request to see performance data of the IRAs including an estimate of the flux of contamination making it through the wells so that the weak areas can be identified and improved upon with the final RA.	Mark Henry	AFCEC	1-Dec-25	A presentation was provide at the Nov 2023 RAB meeting with IRA system performance information. A follow-on presentation was provided at the 20 Feb 2024 technical session to address questions from the Nov 2023 RAB meeting. The feasibility study will reevaluate all PFAS IRAs as part of the final remedy selection process.	Closed	12-Jun-24
128	16-Aug-23	Request a technical session be scheduled and led by EGLE Water Resources Division and the Remediation and Redevelopment Division to brief the SRD status.	Arnie Leriche	AFCEC		EGLE WRD provided a presentation on SRDs during the 15 May 2024 RAB meeting.	Closed	12-Jun-24
137	16-Aug-23	Provide the RAB with an update on the PFAS RI risk assessment in spring 2024.	David Winn	AFCEC	15-May-24	An update on the PFAS RI risk assessment was provided during the 14 May 2024 technical session and a summary provided during the 15 May 2024 RAB meeting.	Closed	12-Jun-24
139	6-Dec-23	Provide list comparing ecological species collected versus what was planned in the work plan.	Arnie Leriche	AFCEC		A poster showing species collected as well as the locations was provided for the 21 Feb 2024 RAB meeting and can be compared to the work plan. An update on the risk assessment including the species collected was presented during the May 2024 RAB meeting.	Closed	12-Jun-24
140	6-Dec-23	Send non-PFAS research questionnaire to RAB	Arnie Leriche	AFCEC		The questionnaire and a flyer for this investigation were provided to the RAB on 25 Mar 2024.	Closed	12-Jun-24
125	17-May-23	Request the USAF to reconsider soil sampling on the east side of Van Etten Lake.	Cathy Wusterbarth	AFCEC		Discrete soil sampling was planned for the RI on the east side of Van Etten Lake at locations with confirmed foam deposition. However, during a 9 November 2023 meeting in Lansing, EGLE requested that incremental soil sampling be used in lieu of discrete sampling. Incremental soil sampling will be completed as part of the follow on data gap investigation to finalize the RI.	Closed	18-Aug-24

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125	17-May-23	Request the USAF to reconsider soil sampling on the east side of Van Etten Lake.	Cathy Wusterbarth	AFCEC		Discrete soil sampling was planned for the RI on the east side of Van Etten Lake at locations with confirmed foam deposition. However, during a 9 November 2023 meeting in Lansing, EGLE requested that incremental soil sampling be used in lieu of discrete sampling. Incremental soil sampling will be completed as part of the follow on data gap investigation to finalize the RI.	Closed	18-Aug-24
26	11-Sep-19	When will USAF put in new infrastructure to prevent contamination of surface water?	Aaron Weed	AFCEC/BRAC		The USAF completed the installation of a new ionizing resin treatment system in December 2019 at the Mission Street treatment plant to treat PFOS/PFOA. With the exception of the new resin treatment system, much of the existing infrastructure was preserved because it is still functional and is within its normal operational life.	Closed	
27	11-Sep-19	What are the PFOS/PFOA level for GW intake at the Mission Street Plant, and what are the numbers after treatment (effluent)?	Aaron Weed	AFCEC/BRAC		Results for PFOS/PFOA at the intake on 13 Jan 20 were 461 ppt PFOS and 55 ppt PFOA. The results after treatment (i.e., the effluent results) for PFOS and PFOA were each below the laboratory detection limit of 3.33 ppt.	Closed	
28	11-Sep-19	Your predecessor said that if Michigan were to adopt a DW standard that was applicable in a non-discriminatory fashion that the USAF would comply. Is that still the position?	Tony Spaniola	AFCEC/BRAC		The Department of Defense is evaluating Michigan's proposed amendments to "Administrative Rules for Supplying Water to the Public" rule, which creates MCLs for several PFAS constituents based on health based values (HBVs). CERCLA – specifically, 42 USC section 9621 -- sets out the requirements for evaluating which state statutes and regulations qualify as an applicable or relevant and appropriate requirement (ARAR). The USAF and EGLE will begin identifying potential ARARs during the RI phase of the CERCLA process, but ARARs are not decided until the record of decision.	Closed	
29	13-Feb-18	Consider viability of including a conference call option at future RAB meetings.		Air Force (Marrs)	15-Jul-18	Conference call option could be exercised in special circumstances as need arises. If so, a meeting room equipped with teleconference capability would be needed.	Closed	
92	1-Sep-21	Respond to the NOW report entitled, 'PFAS Contamination at the Former Wurtsmith AFB: The True Story.' Respond to the letter NOW sent to the Air Force in November 2021.	Cathy Wusterbarth	AFCEC		The Department of the Air Force (DAF) reviewed the 2021 Need Our Water (NOW) article entitled "PFAS Contamination at the Former Wurtsmith AFB: The True Story". The DAF will not be providing a response to the article.	Closed	20-Nov-24
141	21-Feb-24	Add to WAFB meeting standards a slide summarizing BCT meetings that occur between RAB community meetings.	David Winn	AFCEC	15-May-24	The RAB meeting standards will be updated to require a BCT update slide be included in every RAB meeting. BCT summary slides have been included since the May 2024 meeting.	Closed	20-Nov-24
143	21-Feb-24	Request to release validated data tables from the RI report to the RAB prior to the release of the entire finalized report and add the date the data will be released on the RAB timeline slide.	Mark Henry	AFCEC	15-May-24	The Air Force provided the RI data to Mark Henry on 7/26/2024. This data was also shared with EGLE.	Closed	20-Nov-24
145	21-Feb-24	Request to make changes to the 1-year and 5-year outlook slides in the community meeting presentation. A - Show that the 3 pipes ditch pilot study has been terminated on the timeline. B - Add a projected date for the PFAS feasibility study public review / comment. C- Add new IRAs to the timelines including dates the public can expect to see data and review / comment.	Arnie LeRiche / David Winn	AFCEC	15-May-24	The timeline slides in the RAB meeting presentation package will be updated to show the three pipes ditch pilot study was terminated, the timeline for the feasibility study, the new IRAs planned for Wurtsmith. It's premature to show dates for public review of the proposed plans for these IRAs when contracts have not been awarded yet and detailed schedule developed by the contractors. These timelines will be included in each RAB meeting and updated as appropriate.	Closed	20-Nov-24
146	21-Feb-24	Request to sample the soil in the strip between the runway and the taxiway during the data gap investigation phase.	Bill Gaines / Scott Lingo	AFCEC	15-May-24	This soil sampling has been included in the scope for the data gap investigation.	Closed	20-Nov-24

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149	15-May-24	Is USAF planning to implement vapor intrusion mitigation measures in 2027 site-wide regardless of ongoing testing results? If so, why?	Mike Munson	AFCEC	21-Aug-24	<p>Currently, preemptive remedies are not planned for vapor intrusion at Wurtsmith. The vapor intrusion study that was completed in 2022 identified where there were potential short-term (acute) exposure risks to building occupants, and that included buildings 25, 43, 5067 and 5068. As described above, sub-slab and indoor air sampling are ongoing for these four buildings. To date, indoor air samples have not exceeded the USEPA RMLs (excluding Building 25 where access has been restricted), and the sites are planned to continue through the remainder of the RI and CERCLA process. During this process, the Air Force will identify if there is a viable vapor-intrusion pathway for buildings near any historical VOC releases, and if there is, a human-health risk assessment will be completed. Examples of data/information that the human-health risk assessment will account for are included below:</p> <p>A.) Contaminant concentrations in groundwater, soil, and soil gas/soil vapor, as well as indoor air, where applicable; B.) Building construction, building condition, building use, and building occupancy; and, C.) Cumulative effects of contaminants on human-health.</p> <p>If the human-health risk assessment determines that there is a previously unidentified short-term risk to an occupied building, an interim response action will be executed. If unacceptable long-term risks are determined to be present for the site(s), remedial alternatives will be evaluated to determine the most protective and feasible mitigation efforts. At that juncture, a proposed plan will be prepared for public comment, at which point the RAB and other stakeholders will have the opportunity to comment on the selected remedial alternative.</p> <p>In summary, although the data and information collected during the on-going immediate sampling task will be incorporated into the overall RI for Sites SS008 and Sites SS021, additional data collection and evaluation is necessary for these two sites (and additional sites at the Former WAFB) before a determination can be made to implement long-term remedial measures.</p>	Closed	20-Nov-24
150	15-May-24	Request to include the analysis of beach sand from Van Etten Lake in the PFAS RI risk assessment	Mark Henry	AFCEC	1-Aug-25	The evaluation of beach sand has been added to the scope of the PFAS data gap investigation and the results will be included in the RI risk assessment	Closed	20-Nov-24
151	15-May-24	Answer the following questions posed during public comment period: 1. How can the scope of work be changed to include the study of lake foam and how quickly can it be done? 2. What is the procedure and/or how can we make it happen? 3. At the 3 pipes ditch location, I would like some clarity - if there is not sufficient data to implement an IRA, when will the USAF complete the necessary testing, or if there is enough data, when will implementation begin?	Kelly Lively - Senator Peters office	AFCEC	21-Aug-24	1. Sample collection and analysis of foam has been added to the scope of the data gap investigation. Work plan preparation should begin in early 2025 with fieldwork during summer 2025. 2. Foam sampling has been added to the data gap investigation scope. 3. An IRA for the 3 pipes ditch area is included in the budget for FY25 but as always is subject to appropriations. This IRA will require a pre-design investigation as outlined by the Critical Process Analysis team and briefed to the RAB in Jan 2024.	Closed	20-Nov-24