

Wurtsmith RAB Action Items



Wurtsmith RAB AI Tracker			Date Last Modified : 18 Aug 24					
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 is being provided as a separate document to the RAB.	Ongoing	6-Aug-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 Sep 2024.	Ongoing	12-Jun-24
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		Mr. Willis will confer with the office of the Secretary of the Air Force, where the letter was sent, on their intention regarding a response.	Ongoing	
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 may be required 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.	Ongoing	18-Feb-24
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.	Ongoing	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.	Ongoing	18-Feb-24
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.	Ongoing	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.	Ongoing	5-Dec-23
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



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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.	Proposed for closure	18-Aug-24
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.	Proposed for closure	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 Isoco 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
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.	Proposed for closure	18-Aug-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. The Air Force is evaluating this request.	Ongoing	11-Jun-24



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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
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.	Ongoing	18-Aug-24
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 is looking into creating an online information repository for Wurtsmith.	Ongoing	22-Mar-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 is looking into releasing RI data prior to release of the final RI report. Mr. Willis stated that this information will be shared with EGLE and the RAB prior to the release of the final report.	Ongoing	22-Mar-24
144	21-Feb-24	Request the USAF seek cost estimates for testing the aquifer under Van Etten Lake.	Cathy Wusterbarth	AFCEC	15-May-24	The Air Force is looking into this.	Ongoing	22-Mar-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.	Ongoing	22-Mar-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 has been added to the list of activities for the data gap investigation.	Proposed for closure	22-Mar-24
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



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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	<p>As part of the on-going Vapor Intrusion (VI) Remedial Investigation (RI), only four buildings have been evaluated under the accelerated (Immediate Sampling) investigation: Buildings 25, 43, 5067, and 5068. The four buildings are located at Installation Restoration Program (IRP) Sites SS008 (Buildings 5067 and 5068) and SS021 (Buildings 25 and 43). The Immediate Sampling investigation is being conducted at these four buildings only based on data collected from exterior soil gas wells during the 2022 vapor intrusion study. Sub-slab sampling was completed in August 2023, January/February 2024, and April 2024.</p> <p>Indoor air sampling began in January/February 2024 for Buildings 25, 43, and 5067 based on sub-slab results. Results are being compared to the USEPA removal management levels or RMLs to determine if interim response actions such as deploying fans/blowers or air purifying units are warranted while the investigation is being completed. Results for Building 25 exceeded the RML for trichloroethylene so access have been restricted. Results have been below the RMLs for Building 43 and Building 5067.</p> <p>The final indoor-air sampling event under the Immediate Sampling task was completed in July 2024 and results are pending. If the data collected during the final sampling event is consistent with previous results (as is expected) and does not indicate a short-term exposure risk to building occupants, 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 Restoration Advisory Board (RAB) and other stakeholders will have the opportunity to comment on the selected remedial alternative. Field efforts for the overall VI RI at Sites SS008 and SS021 (as well as other sites at the former Wurtsmith AFB) commenced in May 2024 and are on-going.</p>	Ongoing	18-Aug-24
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>	Ongoing	6-Jun-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 if the results change the risk assessment, a risk assessment addendum will be prepared.	Ongoing	18-Aug-24



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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 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. An IRA for the 3 pipes ditch area is included in the budget for FY25 but as always is subject to appropriations.	Ongoing	18-Aug-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.	Ongoing	18-Aug-24