

Meeting Minutes
Wurtsmith BCT Meeting
19 January 2022
Teleconference

Contract No. FA8903-20-D-0004
Location: Teams Call

Meeting Date: Wednesday, 19 January 2022
Meeting Time: 0900-1015 EST

MEETING ATENDEES:

Teleconference

Steven Willis	AFCEC	Beth Place	EGLE-RRD - Superfund
Catharine Varley, PhD	AFCEC	Nick Shorkey	EGLE-RRD - Superfund
Jay Mullett	Wood	John Bradley	EGLE-RRD - Superfund
Saamih Bashir	Wood	David Kline	EGLE-RRD - Superfund
Justin Gal	Wood	Matt Baltusis	EGLE-RRD - Superfund
Jonathan Rivas	Wood	Kalan Briggs	EGLE-RRD - Superfund
Dora Chiang	Wood	Amanda Armbruster	EGLE-RRD - Bay City
Nick Robb	CTI	Ann Person	EGLE-RRD - Bay City
Nick Butzin	CTI	Lynn Gosson	EGLE-RRD - Bay City
Barry Nelson	LATA	Matt Siler	EGLE-WRD - Bay City
Andrea Stawowy	Cherokee Nation	Charlie Bauer	EGLE-WRD - Bay City
Ryan Morrish	Cherokee Nation	Andrea Keatley	MDHHS
Mark Weegar	Cherokee Nation	Puneet Vij	MDHHS
Lee Major	Cherokee Nation	Mounica Nandula	MDHHS
Paula Bond	Aerostar	Jeremiah Morse	AECOM
Paul Walz	Bay West	Dorin Bogdan	AECOM
		Mel Blue	AECOM
		Jon Vail	AECOM

Note:

AFCEC: Air Force Civil Engineer Center
EGLE: Michigan Department of Environment, Great Lakes and Energy
MDHHS: Michigan Department of Health and Human Services
RRD: Remediation and Redevelopment Division
WRD: Water Resources Division

The Base Realignment and Closure (BRAC) Cleanup Team (BCT) meeting was held via teleconference. The meeting began at 0900 hours eastern standard time (EST) on 19 January 2022 and adjourned at 1015 hours EST. The Meeting agenda is attached.

1. Opening Remarks/General Discussion

- I. J. Mullett opened the meeting with an introduction and roll call.
- II. J. Mullett discussed the new BCT meeting format for future meetings. The new BCT meeting format will include a reduced frequency where it takes place every other month. Future BCT meetings and will be a two-hour meeting where the goal is to present a primary topic, followed by a discussion and try to reach a conclusion/decision during the meeting. J. Mullett discussed a list of topics and target dates for future BCT meetings:
 - a) **BECOS UFP-QAPP Overview/Concurrence (March 2022)** - J. Mullett stated the

goal of the March meeting is to have a discussion of the UFP-QAPP. Wood's goal would be to submit the Draft Final UFP-QAPP at least a week or two in advance of the meeting to allow EGLE an opportunity to familiarize themselves with the document prior to the discussion.

- b) **Vapor Intrusion (VI) Next Phase of Investigation (May 2022)** – J. Mullett stated that Wood is reviewing Air Force comments and is expected to submit the VI report to EGLE soon. B. Place stated EGLE was under the impression that the next phase of investigation was not funded. C. Varley stated that the Air Force is working on getting the funding to the United States Army Corps of Engineers (USACE) so that the Air Force, USACE and EGLE can scope the project together based on the most recent data provided in the VI report.
- c) **LF030/031 and SS072 Historical Review/Timeline (July 2022)** – S. Willis stated this topic was suggested following a request from EGLE for this type of presentation. B. Place concurred this type of historical review would be helpful to the newer EGLE staff. B. Place stated that conducting a historical review of SS072 would be beneficial prior to receiving documents pertaining to that site.
- d) **System Optimization and IRA Transition to BECOS (September 2022)** – J. Mullett stated this topic is to discuss the BECOS Team taking over the new expanded Central Treatment System and the new expanded FT002 treatment system from Aerostar. The two expanded systems are currently being constructed and Wood is anticipating operational transition during the Summer of 2022.

2. United States Air Force (USAF) Updates

- I. **USAF- Items being worked; priorities; meeting format, objectives, and frequency**
 - a) S. Willis stated there is a systematic project planning (SPP) meeting scheduled for later in the week of 17 January 2022. The Air Force is working with USACE to get the MMRP project on contract. S. Willis mentioned the VI contract is on schedule to be awarded in the third quarter of 2022.
 - b) C. Varley stated that the PFAS RI field work will resume in April 2022. C. Varley asked what is EGLE's status for their review of the RI UFP-QAPP and the Van Etten Lake interim remedial action (IRA) work plan. B. Place stated that EGLE expects to finish their review of the UFP-QAPP and submit back to Air Force before the end of the month and the Van Etten Lake IRA is expected to be submitted back to the Air Force by 26 January 2022. C. Varley stated the Air Force is reviewing the biota sampling plan and is expected to submit to EGLE by the week of 24 January 2022.
- II. **Wood/CTI – BECOS (Fieldwork and Documents)**
 - a) J. Mullett mentioned there are no ongoing major field events and briefed the group on optimization maintenance such as pump and well cleanings and a bag filter retrofit at the Mission Pump and Treatment System (MPTS) which has reduced bag filter change outs from approximately every 48 hours to approximately every 155 hours.

- b) J. Mullett stated there is a resin changeout at MPTS scheduled for 1 February 2022, as well as a carbon changeout at FT002 scheduled for the end of February 2022 (now confirmed for 22 February 2022).
- c) J. Mullett stated the Draft UFP-QAPP for the BECOS contract is currently under Air Force review and is expected to be submitted to EGLE in late-February 2022.
- d) J. Mullett briefed the meeting on the status of the Engineered Wetlands Treatment System (EWTS) for LF030/031. One of the effluent lines between ponds 3 and 4 is obstructed and causing the pond level to reach the high-water line. A few of the purge wells were turned off in order to keep the water from going into the overflow. The system is operating with a reduced number of purge wells which are alternated weekly (even wells one week, then odd wells the following). J. Mullett stated due to the cold weather, the obstruction between ponds 3 and 4 cannot be removed until the weather is above freezing for a few days.
 - a. B. Place asked how Wood is reporting the data from the EWTS. J. Mullett stated that the data is reported in the annual remedial action-operation report. J. Mullett stated that the data is also reported in the monthly technical status reports (MTR).
 - b. J. Mullett stated that exceedances are reported to EGLE via email. B. Place stated that EGLE would prefer to have the results monthly. S. Willis stated that he will look into getting monthly EWTS data to EGLE. A Post BCT teleconference between EGLE and the Air Force took place, and the Air Force will email the DMRs to B. Place monthly.

III. Bay West – Documents only

- a) P. Walz updated the group on status of Bay West documents. (See attached document tracker).
- b) B. Place asked S. Willis if there were any updates on the 2020 Land Use Control (LUC) report. S. Willis replied it is in the process of getting approved, since it contains Personal Identifiable Information (PII) and once approved, is expected to be submitted to EGLE in the next few weeks. B. Place asked if any of the previous LUC reports will be removed from the administrative record. S. Willis replied all previous LUC reports that contained PII have been removed, redacted, and reposted.

IV. Aerostar – PFAS RI and IRA (Fieldwork and documents)

- a) P. Bond stated the RI field work for the season was completed in December 2021 and is expected to resume on 1 April 2022. P. Bond stated that 245 soil borings were advanced, over 1100 soil samples were collected, 13 hydraulic profiling tool locations were completed, 51 vertical aquifer sampling (VAS) locations were completed, and 78 VAS locations are remaining from the original proposal. P. Bond stated that additional VAS locations will be proposed. P. Bond stated that when field work resumes in 2022, Aerostar will resume VAS sampling and monitoring well installations.
- b) B. Place asked if the scoping meeting minutes from 2020 will be finalized. C. Varley stated that the scoping meeting minutes are over a year old, and the AF

- will not be devoting time and resources to finalize the scoping meeting minutes.
- c) B. Place asked if Aerostar has received all the 2021 RI field work data. P. Bond replied yes, and that the data is all available on Box.com for review. B. Place asked if that data has been uploaded to the ERPIMS website. P. Bond replied no, not all the data has been validated yet, however, Aerostar is currently validating all the RI field work data. P. Bond stated that the data will be tabulated and sent to EGLE prior to the SPP meeting in February 2022.
 - d) B. Place asked if a new site access agreement with the United States Forest Service (USFS) is being worked on. C. Varley stated that the AF is currently working on a new site access agreement with the USFS.
 - e) P. Bond gave a construction update on the Clark's Marsh IRA at FT002. P. Bond stated that the slab has been poured and is hoping to start the construction of the building in the next couple weeks. P. Bond stated that the extraction well screens are expected to be delivered in 12 weeks. P. Bond stated that pilot borings for the other extraction wells near Clarks Marsh and Van Etten Lake will be completed in the meantime in order to start on the design of other extraction wells. P. Bond expects the pilot borings to be completed during the last week of January 2022 or first week of February 2022.
 - f) P. Bond stated that Aerostar completed the backfilling at FT002 and is currently working on a report for the Time Critical Removal Action (TCRA).
 - c) P. Bond updated the group on status of Aerostar documents. (See attached document tracker).

3. EGLE Updates

I. EGLE RRD – Superfund Section Updates.

- a) B. Place stated there is a PFAS MPART townhall meeting scheduled on 2 March 2022.
- b) B. Place asked how the 22 December 2021 guidance from the Department of Defense for drinking water removal actions will be implemented at Wurtsmith. C. Varley stated that the guidance is under legal review.
- c) B. Place asked how the Argonne National Laboratory ecological screening levels for PFAS will be implemented at Wurtsmith. C. Varley stated that the ecological screening levels will be implemented enterprise wide.
- d) B. Place stated Kalan Briggs has been brought onto the EGLE team to assist with VI work and needs to be included on correspondence.

II. EGLE – Bay City District Updates

- a) A. Armbruster stated the next quarterly groundwater sampling event in the Oscoda area has been scheduled for the week of 24 January 2022. A. Armbruster added that updated tables and figures will be available prior to the next town hall meeting for the October 2021 sampling event.
- b) A. Armbruster stated that Lynn Gossen will be transitioning into the project management position for Oscoda area sites

III. EGLE – WRD Updates

- a) C. Bauer stated there is no significant updates at this time.
- b) C. Varley asked about the status of the revised sampling plans for the SRDs associated with the treatment systems. C. Bauer stated that Tarek Buckmaster is the person to contact as it pertains to permitting. C. Varley noted that it has been 12 months since there has been any update.

IV. MDHHS – Fieldwork and new data

- a) V. Puneet stated MDHHS is expected to send out the MDHHS VI recommendation to the Air Force before the second week of March 2022.

4. Next Scheduled Meeting

- I. 16 March 2022 (scheduled) 0900-1100 EST-Tentatively Virtual (changed from proposed 23 March 2022 date due to conflicts).
- II. 25 May 2022 (proposed) 0900-1100 EST-Tentatively Virtual.

WURTSMITH BRAC CLEANUP TEAM (BCT) MEETING AGENDA

DATE/TIME: Wednesday, 19 January 2022, 9:00 a.m.-10:18 a.m. EDT
LOCATION: Virtual Meeting – Microsoft Teams
PHONE ACCESS: (866) 670-1764,, 438105802#

Topic	Purpose	Presenter	Time
Introductions			
Welcome and Introductions	<ul style="list-style-type: none"> • Air Force Team Members (Wood-CTI, Aerostar, Bay West, Cherokee Nation) and other attendees • EGLE Team Members (MDHHS) 	AF EGLE MDHHS	9:00-9:10
Revised BCT Meeting Format			
BCT Meeting Format & Proposed Discussion Topics/Target Dates	<ul style="list-style-type: none"> • BCT Meeting Frequency – Bi-monthly in 2022 (January, March, May, July, September, November) 9:08 • Timing – 9:00 a.m.-11:00 a.m. typically held the 4th Wednesday of the month • Location – Virtual; unless in person is requested in Oscoda or Lansing MI • Format/Goal – Present Overview of Primary Topic; Open Discussion and/or Comment Resolution; Decisions and Concurrence • Meeting Minutes – All 2021 minutes except December will be finalized after 19 January 2022 meeting. All minutes in 2022 will be finalized after the next meeting (19 January 2022 finalized after the 23 March 2022 meeting). • Open Discussion on New Format • Proposed 2022 Topics (Target Dates) –24:00 <ol style="list-style-type: none"> 1) <i>BECOS UFP-QAPP Overview/Concurrence (March)</i> 2) <i>Vapor Intrusion – Next Phase of Investigation (May)</i> 3) <i>LF030/031 and SS072 Historical Review/Timeline (July)</i> 4) <i>System Optimization and IRA Transition to BECOS (September)</i> 5) <i>TBD (November)</i> 6) <i>Other Topics?</i> 	AF/Wood	9:10-9:40

Topic	Purpose	Presenter	Time
Critical AF Updates			
Critical AF Updates	<ul style="list-style-type: none"> • AF – Priority Contracting Actions 38:45 • Wood/CTI – BECOS – Major upcoming field events and critical document reviews 41:17 • Bay West – PBR – Critical document reviews 48:40 • Aerostar – Major upcoming field events and critical document reviews 55:15 • <i>Updated document tracker to be displayed during above discussions</i> 	AF	9:40-10:00
Critical EGLE/MDHHS Updates			
Critical EGLE Updates	<ul style="list-style-type: none"> • EGLE RRD – Superfund Section Updates – Any new critical information 01:09:40 • EGLE – Bay City District Updates – Any new critical information 01:16:08 • EGLE WRD Updates – Any new critical information 01:17:08 • MDHHS Updates – Any new critical information 01:18:26 01:19:20 	EGLE	10:00-10:20
Schedule Next BCT Meeting			
Future Schedule	<ul style="list-style-type: none"> • 23 March 2022 (proposed) 0900-1100 EST- Tentatively Virtual 01:20:40 • 25 May 2022 (proposed) 0900-1100 EDT- Tentatively Virtual 	Jay Mullett	10:20-10:30
BCT Meeting Adjourns			

Bay West/Wood PBR WurtSmith Short Term Document Registry

DOCUMENT	Contractor	DRAFT			DRAFT FINAL		FINAL		Who Has The Ball?	REMARKS
		DRAFT EXPECTED	Submitted to AFCEC for REVIEW	Comments Prov'd by AFCEC	To EGLE for REVIEW	Comments Rec'd from EGLE	Final submitted to AFCEC	AFCEC Approved		
SS017 Closure Memorandum -> ESD	BW		20-Oct-19	6-Nov-19	EGLE Review not Required	EGLE Review not Required			AFCEC	AFCEC Legal has determined a Closure Memorandum is not a suitable vehicle for SC. Bay West submitted a Memo which recommended and ESD as the path forward. AFCEC provided comments/requested some additional information. Bay West provided RTCs and the requested information on 14 Oct 2021. AFCEC provided follow-on comments on 22 Nov. Bay West revising Memo accordingly. Bay West provided revised RTCs and RLSO version of Memo to AFCEC on 2 Dec 2021.
2018 Annual Remedial Action Operation Report for Arrow Street, Benzene Plant, and Mission Street Pump and Treat Systems	BW		18-Mar-20	24-Aug-20	26-Apr-2021	19-Jul-21			EGLE	2018 PTS Annual report. RTCS to EGLE comments reviewed by AFCEC and provided to Bay West 21 Sep 2021. Bay West prepared RTCs to AF comments and re-submitted to AFCEC on 27 Sept 2021. RTC back check provided to EGLE on 5 Oct 2021.
Five-Year Review (4th)	BW		20-Mar-20		Estimated Date March 2022				AFCEC	Still under AFCEC review.
2019 Annual Remedial Action Operation Report for Installation Restoration Program Sites LF027, OT016, SS005, SS008, SS051, SS071, SS072, ST068, ST069, and WP004	BW		11-Sep-20	16-Apr-21	26-Apr-2021	19-Jul-21			EGLE	2019 LTM Annual report. RTCS to EGLE comments reviewed by AFCEC and provided to Bay West 21 Sep 2021. Bay West prepared RTCs to AF comments and re-submitted to AFCEC on 27 Sept 2021. RTC back check provided to EGLE on 5 Oct 2021.
2019 Annual Remedial Action Operation Report for Installation Restoration Program Sites FT002, LF030/31, and SS057	BW		23-Dec-20		6-May-2021				EGLE	2019 Systems Annual report. RTCS to EGLE comments reviewed by AFCEC and provided to Bay West 21 Sep 2021. Bay West prepared RTCs to AF comments and re-submitted to AFCEC on 27 Sept 2021. RTC back check provided to EGLE on 5 Oct 2021.
2019 Annual Remedial Action Operation Report for Arrow Street, Benzene Plant, and Mission Street Pump and Treat Systems	BW		15-Feb-21		28-Apr-2021	19-Jul-21			EGLE	2019 PTS Annual report. RTCS to EGLE comments reviewed by AFCEC and provided to Bay West 21 Sep 2021. Bay West prepared RTCs to AF comments and re-submitted to AFCEC on 27 Sept 2021. RTC back check provided to EGLE on 5 Oct 2021.
2020 Annual Remedial Action Operation Report for Installation Restoration Program Sites LF027, OT016, SS005, SS008, SS051, SS071, SS072, ST068, ST069, and WP004	BW		17-Feb-21		6-May-2021	19-Jul-21			EGLE	2020 LTM Annual report. RTCS to EGLE comments reviewed by AFCEC and provided to Bay West 21 Sep 2021. Bay West prepared RTCs to AF comments and re-submitted to AFCEC on 27 Sept 2021. RTC back check provided to EGLE on 5 Oct 2021.
2020 LUC Report	BW		1-Jul-21					17-Dec-21		Bay West submitted Final report 17 December 2021. Report contains PII and will only be put on DR, not AR.
Draft Volatilization-to-Indoor Air Pathway Remedial Investigation Addendum Report	BW		29-Jun-21	30-Jul-21	Estimated date: February 2022				Bay West	Wood provided RTCs to AFCEC on 14 Sep 2021. AFCEC provided comments on RTCs to Bay West on 30 Nov 2021.
Draft 2020 Annual Remedial Action Operation Report for Installation Restoration Program Sites FT002, LF030/31, and SS057	BW		22-Oct-21	22-Nov-21	Estimated date: February 2022				Bay West	AFCEC provided comments to Bay West on 22 Nov 2021
Draft 2020 Annual Remedial Action Operation Report for Arrow Street, Benzene Plant, and Mission Street Pump and Treat Systems	BW	December 2021			Estimated date: February 2022				Bay West	2020 PTS Annual report
Draft FT002 RAC Report	BW		8-Sep-21	17-Sep-21 & 21-Sep-21	26-Oct-21				EGLE	
Draft FT002 UST Removal Tech Memo	BW		8-Oct-21	24-Nov-21	7-Jan-22				EGLE	
Draft SS072 Revised Risk Assessment	BW		27-Sep-21	3-Dec-21	Estimated date: January 2022				AFCEC	Bay West sent AFCEC RTCs on 15 Dec 2021. RTCs send to AFCEC risk assessor for review.
Draft SS072 Updated FS	BW	December 2021			Estimated date: February 2022				Bay West	

CTI/Wood BECOS Wurtsmith Short Term Document Registry

DOCUMENT	Contractor	DRAFT			DRAFT FINAL		FINAL		Who Has The Ball?	REMARKS
		DRAFT EXPECTED	Submitted to AFCEC for REVIEW	Comments Prov'd by AFCEC	To EGLE for REVIEW	Comments Rec'd from EGLE	Final submitted to AFCEC	AFCEC Approved		
Wurtsmith QAPP	Wood		29-Oct-21		Estimated date: March 2022				Wood	
Wurtsmith HASP	Wood		10-Nov-21	15-Dec-21	Estimated date: January 2022				Wood	AFCEC comments provided to Wood 15 Dec 2021. RTCs not required. Wood to finalize HASP.

Aerostar Wurtsmith Short Term Document Registry

DOCUMENT	DRAFT EXPECTED	Submitted to AFCEC for REVIEW	Received AFCEC Comments	Backcheck Comments to AFCEC	AFCEC Approved	Anticipated EGLE Submittal	Submitted to EGLE	EGLE Comments Received	Document Finalized	REMARKS
Remedial Investigation										
RI UFP-QAPP		20-Nov-20	17-Dec-20	23-Feb-21	2-Apr-21	--	5-Apr-21	30-May-21		Backcheck comments to all comments submitted to EGLE on 9/21/2021.
Risk Assessment Work Plan		4-Jan-21	2-Apr-21	27-May-21	3-Jun-21	--	3-Jun-21	5-Aug-21		Working on RLSO, AFCEC has approved comment responses
UFP-QAPP Addendum for Biota Sampling		7-Jan-22				18-Jan-22				Coordinating text with RA Work Plan comments.
Interim Remedial Actions										
Van Etten Lake Record of Decision		26-Sep-21	19-Nov-21			13-Dec-21	8-Dec-21			
Remedial Action Work Plan Van Etten Lake		5-Oct-21	22-Nov-21			17-Dec-21	22-Dec-21			
Clark's Marsh Record of Decision		13-May-21	14-Jun-21	19-Aug-21	8-Sep-21	--	8-Sep-21	1-Oct-20	15-Oct-21	
Remedial Action Work Plan Clark's Marsh		5-Jul-21	27-Jul-21	9-Aug-21	12-Aug-21	--	12-Aug-21	28-Sep-21	19-Oct-21	Backcheck comments submitted to EGLE on 4 October 2021.
Time Critical Removal Action										
Action Memorandum		8-Oct-21	8-Oct-21	8-Oct-21	2-Dec-21	--	EGLE review not required	--	2-Dec-21	
TCRA Removal Action Completion Report		6-Jan-22				--	EGLE review not required	--		