

Meeting Minutes
Wurtsmith BCT Meeting
28 October 2020
Teleconference

Bay West Project No. J150073
Location: Teleconference

Meeting Date: Wednesday, 28 October 2020
Meeting Time: 0900-0950 EST

MEETING ATTENDEES VIA TELECONFERENCE:

Dave Gibson	AFCEC	Mark Weegar	Cherokee Nation
Lee Major	Cherokee Nation	Andrea Keatley	MDHHS
Jeremiah Morse	AECOM	Puneet Vij	MDHHS
Paul Walz	Bay West	Mounica Nandula	MDHHS
Andrea Stawowy	Bay West	Dirk Pohlmann	Bay West
Saamih Bashir	Wood	Ryan Morrish	Bay West
Mike Neller	EGLE- RRD – RRD Director, Lansing	Paula Bond	Aerostar
John Bradley	EGLE-RRD – Superfund Section, Lansing	Dale Corsi	DLZ
Beth Place	EGLE-RRD – Superfund Section, Lansing	Matt Siler	EGLE- WRD -Bay City
Matt Baltusis	EGLE-RRD – Superfund Section, Lansing	Charlie Bauer	EGLE-WRD –Bay City
Brad Ermisch	EGLE-RRD - Compliance/Enforcement, Lansing	Amanda Armbruster	EGLE- RRD – Bay City
David Kline	EGLE – RRD – Superfund Section Manager, Lansing		

The meeting was held via Skype. The meeting began at 0900 hours on 28 October 2020 and adjourned at 0950 hours. The meeting agenda is attached and posted to the Bay West Collaborative Website.

1. Opening Remarks

P. Walz opened the meeting with a greeting and introductions. The meeting purpose was to discuss environmental restoration program work at the former Wurtsmith AFB.

2. Previous 23 September 2020 BCT Review

- a. 23 September 2020 meeting minutes are under EGLE review, comments are scheduled to be sent this week.
- b. Action Items – EGLE
 - i. Review Wurtsmith UFP-QAPP and propose metrics that will be used for data quality assessment should QA/QC samples be collected by EGLE, including reconciliation if the agreed upon metrics are not achieved.
 1. B. Place agreed to review the QAPP and the split sampling language. B. Place will draft a split sampling procedure for Air Force review and comment. The task is not to revise the QAPP. This task is in progress and should remain on the agenda.
 2. B. Place stated the split sampling language would be updated closer to the commencement of RI field work.
 - ii. Draft the FT002, CTS and MPTS Interim sampling plan or revised SRD.
 1. Air Force received EGLE’s proposed sample plan revisions for FT002, CTS and MPTS on 20 October 2020. Air Force is in the process of reviewing and will be submitting a response in the near future.

3. DOCUMENT SUBMISSION SCHEDULE AND STATUS

Only documents that have changed status since the previous BCT were discussed. Anticipated date which EGLE will receive the documents will be added to document table in the future agendas. The anticipated submittal date won't be populated until the document is at the Air Force for its review.

Bay West

- a. Draft 2018 PTS Annual Report
 - i. Received Air Force comments on 24 August 2020. RTCs are being prepared.
- b. Draft Final SS-57 ESD
 - i. Public notice regarding the Final ESD was posted in the Oscoda Press on 21 October 2020.
 - ii. The affidavit of publication from the Oscoda Press will be forwarded to the Air Force and EGLE upon receipt (Affidavit received and forwarded on 30 October).
- c. Draft SS-17 Site Closure Technical Memorandum
 - i. Document in legal review. Will be posted on Bay West's box.com account for EGLE review upon receipt of Air Force concurrence.
- d. Draft SS-72 Proposed Plan
 - i. Air Force has issued an RFQ to Bay West to revise the Risk Assessment and Feasibility Study. No work on Proposed Plan until these two documents have been revised. Bay West has submitted its response to the RFQ. Currently with Air Force Contracting for review and execution.
- e. Five-Year Review
 - i. Submitted to Air Force on 23 March 2020, under Air Force review.
 - ii. D. Gibson stated anticipated submittal date to EGLE is the end of November 2020.
- f. Draft 2019 LTM Annual Report
 - i. Submitted to Air Force on 11 September 2020.
- g. FT002 RAWP Addendum
 - i. Air Force comments received on 23 October. Bay West is preparing RTCs.
- h. FT002 UST Removal Work Plan
 - i. Air Force comments received on 23 October. Bay West is preparing RTCs.

Bay West / Wood

- i. SS-08 and WP-04 Draft Final Work Plans
 - i. Submitted to EGLE on 20 August 2020, the 45-day review period has passed. B. Place stated that the comments would be submitted today, 28 October 2020. EGLE comments were subsequently submitted.

Aerostar

- j. EE/CA MPTS
 - i. The public comment period ended 2 October 2020. EGLE submitted comments and the responses will be included in a letter which will be posted to the Administrative Record.
- k. MPTS/CTS UFP-QAAP
 - i. Aerostar has received EGLE comments and no changes need to be made to the document. The document will be distributed as final.
 - ii. P. Bond will add RI documents to the November 2020 BCT Agenda.

FPM

- I. Draft Final LF-30/31 FS
 - i. EGLE comments have been received. Only RTCs will be submitted, no red-line strike out version is necessary.

Reports to Be Submitted

Bay West

- m. 2019 Annual Reports (Bay West)
 - i. Draft Systems Annual Report is scheduled to be submitted to the Air Force in November 2020.
 - ii. Draft PTS Annual Report is scheduled to be submitted to the Air Force in November 2020.
- n. 2019 LUC Report
 - i. Draft scheduled for Air Force submittal in November 2020.

Bay West /Wood

- o. VIAP Q2 Results
 - i. Results have been submitted to the Air Force. D. Gibson has sent them on to EGLE. B. Place asked if they could be shared with MDHHS. D. Gibson said it was fine to distribute to MDHHS.

4. FIELD WORK UPDATE AND SCHEDULE

Bay West

- a. FT-02 Carbon Change out
 - i. The 21st GAC changeout was completed on 29 September 2020. All results remained below criteria prior to the change out.
- b. SS-57 RAWP Implementation
 - i. The second injection took place 23-24 June 2020. The fourth quarterly sampling event took place the week of 12 October 2020. The third injection event is scheduled for November 2020, pending a review of the October results. D. Gibson asked Bay West to update the slides for the 19 November 2020 BCT meeting.
- c. FT-02 RAWP Implementation
 - i. Already discussed. Bay West is preparing RTCs to Air Force comments on two documents.
- d. Engineered Wetlands Treatment System (EWTS)
 - i. All compounds were below criteria for the September 2020 sampling event.
- e. Purge Well Cleaning
 - i. Well cleaning took place 5-8 October 2020. Select wells were cleaned at LF030/31 and FT002.
- f. Annual LTM groundwater monitoring
 - i. The RA-O LTM Annual sampling began in May and was completed in October 2020. Bay West followed the approved 2019 Sampling Plan. 2020 IRP sites completed: FT002, LF027, LF030/31, OT016, OT024, SS005, SS006, SS008, SS021, SS072, SS071, SS057 and WP004.
- g. Annual Basewide groundwater gauging
 - i. Bay West is scheduled to gauge 448 locations the week of 2 November 2020.

Bay West/Wood

- h. VIAP Update
 - i. S. Bashir stated Q2 sampling results have been submitted to the Air Force. Q3 sampling is scheduled for the week of 9 November 2020. EGLE is scheduled to be on site 10 November 2020.

Aerostar

- i. Central Treatment System (CTS) Status
 - i. P. Bond stated the CTS is operating as designed, regular sampling confirms SRD requirements are being met, no significant maintenance has taken place or is scheduled.
- j. Mission Pump and Treatment System (MPTS) Status
 - i. P. Bond stated the MPTS is operating as designed, regular sampling confirms SRD requirements are being met, no significant maintenance has taken place or is scheduled.
 - ii. P. Bond stated that the week of 9 November 2020 the resin in the lead vessel will be exchanged. Increased pressure is being observed, this is the original resin since start up in December 2019. During the last exchange in May 2020, the lead and the lag changed positions.
- k. Remedial Investigation Status
 - i. Continued preparation of the UFP-QAPP and remedial designs.
 - ii. P. Bond stated a BCT Scoping Meeting was held with EGLE on 7 October 2020, and a BCT CSM/DQO call on 15 October 2020. A follow on CSM/DQO call is scheduled for 9 December 2020 along with a site walk. During the site walk access for sampling and Clark's Marsh will be areas of concern. On 4 November 2020 Aerostar and EGLE have scheduled a meeting to discuss the Risk Assessment. B. Place agreed and asked if a discussion on ARARs is anticipated. D. Gibson stated the ARAR discussion will occur after the RI is completed and a Feasibility Study is underway. B. Place asked if there would be a response to the letter submitted on 18 September 2020, D. Gibson commented it was in draft form and it should be sent within the week (sent to EGLE on 29 Oct 20). B. Place asked again for clarification that there would not be an ARAR meeting any time soon. D. Gibson confirmed that ARARs apply to remedies. Once the RI and baseline human health and ecological risk assessments determine unacceptable risk, ARARs are chosen.
 - iii. P. Bond stated Aerostar will collect water levels for the CSM in conjunction with Bay West and the Annual event. B. Place granted access to the EGLE wells via email. B. Place asked which reports the water levels would be included in. P. Bond stated the CSM and P. Walz said the Annual Reports.
 - iv. B. Place informed the group that AECOM will be in the Oscoda area this week to sample some of the EGLE wells.

5. AIR FORCE UPDATES

- a. OWAA 10 parcels
 - i. D. Gibson stated that the Air Force is working on the transfer of the 10 parcels to OWAA, no change from the previous meeting. The Air Force Real Estate team has been working on other property issues and access for the RI: Closing out paperwork on MPTS pipeline, access for property along Van Etten Lake, and US Forest Service access
- b. RAB Update
 - i. The last RAB meeting was held on 21 October 2020. The Meeting Minutes and Action Items are being drafted.
 - ii. Air Force received a letter asking about an RI at Van Etten Lake from NOW at the RAB meeting and a response is being drafted.
 - iii. The new RAB Co-Chair, Mark Henry, provided a technical analysis of his view of groundwater flow from the west side of Van Etten Lake to the east side. D. Gibson responded to him via

email and information has been passed on to Aerostar. The information will be included in the CSM and QAPP and will provide the background of the sampling locations. Mark Henry will be able to review the information as part of the work plan.

- iv. ESTCP Project – University of Michigan has been approved for a pilot project at Wurtsmith. It will take place over the next year. The project is titled, “In situ PFAS Sequestration AFFF Impacted Groundwater”. The project is funded by DOD and is not related to the remediation efforts the Air Force is undertaking; therefore, it won’t be a standard topic to be tracked via the BCT or RAB. AFCEC will coordinate the effort with Aerostar to mitigate any conflicts in field work. The following link includes the details: <https://www.serdp-estcp.org/Program-Areas/Environmental-Restoration/Contaminated-Groundwater/Emerging-Issues/ER20-5100>.
- v. D. Gibson stated the Air Force is preparing a response to the proposed SRD sampling revisions.
- vi. B. Place asked when the next RAB is scheduled. D. Gibson stated the third week of January 2021.
- vii. B. Place asked if she would be copied on the NOW response. D. Gibson replied the response will be sent to the entire RAB team (Response emailed on 29 Oct 20 and 9 Nov 2020).

6. EGLE RRD – SUPERFUND SECTION UPDATES

- a. Other – RAB topics
 - i. B. Place inquired about the status of the MMRP sites and the path forward to close them out. D. Gibson responded that plans are in place for this work, but funding is pending.
 - ii. B. Place inquired about the other LF030/031 CSI Team recommendations, only the Focused Feasibility study has been completed. D. Gibson stated that the storm water diversion project and implementing Feasibility Study recommendations are also waiting for funding.
 - iii. B. Place informed the group that EGLE has tentatively scheduled a Town Hall meeting on 19 January 2021.
 - iv. M. Henry included EGLE on technical evaluation of the groundwater flow from west to east in the Van Etten Lake area. EGLE will also internally evaluate, any conclusions from EGLE review will be included in RI scoping.
 - v. B. Place stated two documents will be added to the MPART webpage, Surface Water Summary and the 2017 and 2018 Groundwater Investigation Summary Report. Air Force has all the data from both these investigations, and the draft reports. (EGLE posted the final reports on November 2, 2020)
 - vi. Recently Draft EGLE figures were posted by the community at the PFAS Summit. B. Place stated that EGLE is no longer providing Draft figures that show older CSM interpretations to the public unless these are incorporated into previous reports.

7. EGLE RRD – BAY CITY DISTRICT UPDATES

- a. A. Armbruster stated that the wells installed in the 2017 and 2018 time period around the Oscoda area have been sampled for one year. A report will be drafted and may be included in the MPART monthly updated.
- b. Kings Corner Road Dump – there will be significant changes to the Oscoda Township board, A. Armbruster will reach out to the new staff for an update about future investigations in the area.

8. EGLE WRD – UPDATES

- a. Oscoda Township Wastewater Treatment Plan (WWTP) update
 - i. C. Bauer stated the OWTP received a grant from the USDA for funding to address the wastewater issues in the AuSable area. B. Place asked what that will involve. C. Bauer stated that the money would be used to construct an extension of the sewer for 3 miles and install 3 lift stations down US-23, adding 185 users.
 - ii. C. Bauer asked about the status of the Oscoda discharge fee. The draft evaluation has been received and is under AFCEC and legal review. The response should be ready to send to Oscoda Township within the next few weeks.

9. MDHHS UPDATES

- a. Residential Well sampling update
 - i. P. Vij stated residential well sampling results have been received. The 1st round of sampling was completed in August 2020, the next round is scheduled for early next year. Samples were collected from 272 wells. There were 133 wells that were non-detect, 118 wells had detections, but results were less than the MDHHS comparison level, and 20 wells had results higher than the MDHHS comparison level. MDHHS takes the lowest value, when compared to with the screening level or the current MCL. P. Vij has been calling residents and providing recommendations.

10. Next Meetings:

- a. BCT – 18 November 2020, 0900 – 1100 EST
- b. BCT – 16 December 2020, 0900 – 1100 EST
- c. BCT – 27 January 2021, 0900 – 1100 EST
- d. RAB – 20 January 2021

11. ACTION ITEMS:

- a. EGLE
 - i. B. Place will review the Wurtsmith UFP-QAPP and propose metrics for assessing data quality for split samples and corrective actions if metrics are not met.
- b. Bay West
 - i. Provide a copy of the Public Notice of the SS057 ESD to EGLE (Provided 30 Oct 2020).

28 October 2020
 BCT Teleconference – Agenda
 Wurtsmith AFB, Oscoda, MI

1. Air Force Opening Remarks/General Business Discussion

2. Previous BCT Meeting – 23 September 2020

- a. Meeting Minutes – comments/approval
- b. Action Items - EGLE
 - i. Review Wurtsmith UFP-QAPP and propose metrics for assessing data quality for split samples and corrective actions if metrics are not met.
 - ii. Draft CTS and MPTS Interim sampling plan or revised SRD.
 - iii. Provide Press Release from Gov. Whitmore to Mr. Henderson {completed on 9-24-20}

3. Document Submission Schedule and Status

Document	Date submitted to EGLE	EGLE Review Status	Comments
Bay West			
Draft 2018 PTS Annual Report			Bay West preparing RTCs to Air Force comments received on 24 August 2020
Final SS057 ESD			Public Notice regarding the Final ESD will be posted in the Oscoda Press 21 October 2020.
Draft SS017 Site Closure Tech Memo.			Document in legal review. Will be posted on Bay West's box.com account for EGLE review upon receipt of Air Force concurrence.
Draft SS072 Proposed Plan			Air Force has issued an RFQ to Bay West to revise the Risk Assessment and FS. No work on Proposed Plan until these two documents have been revised.
Draft Five-Year Review			Submitted to Air Force on 23 March 2020; under Air Force review.
Draft 2019 LTM Annual Report			Submitted to Air Force on 11 September 2020; under Air Force review.
FT002 RAWP Addendum			Submitted to Air Force on 30 September 2020; under Air Force review.
FT002 UST Removal Work Plan			Submitted to Air Force on 30 September 2020; under Air Force review.
Bay West / Wood			
WP004 UFP-QAPP RA-O WP/FSP	08-20-20		
SS008 UFP-QAPP RA-O WP/FSP	08-20-20		
Aerostar			
EE/CA MPTS			Public review period ended on 2 October 2020. EGLE comments received on 2 October 2020. Response to comments will be developed and placed in the AR.

MPTS/CTS UFP-QAPP	6-30-20	10/09/2020	Final to be issued on 19 Oct 2020
FPM			
Final LF030/031 FS			Comments received from EGLE on 8 Oct 2020. RTCs in development.
Bay West - To be submitted			
Draft 2019 Systems Annual Report			Scheduled for submittal to Air Force in October 2020.
Draft 2019 PTS Annual Report			Scheduled for submittal to Air Force in November 2020.
Draft 2019 LUC Report	Report is prepared in Draft and Final version. Final version is posted to collaborative website for reference purposes.		Scheduled for submittal to Air Force in October 2020.
Bay West/Wood - To be submitted			
VIAP Q2 Results			Scheduled for submittal to Air Force in October 2020

4. Field Work Update and Schedule

Bay West

- a. FT002 Carbon change out event was completed on 29 September 2020, approximately 107 operational days since the last change out. Next change out tentatively scheduled for the week of 4 January 2021.
- b. SS057 RAWP Implementation – The second injection was completed 23-24 June 2020. The fourth quarterly performance monitoring sampling was completed the week of 12 October 2020. The third injection is tentatively scheduled for November 2020, dependent on the Q4 sampling results and weather.
- c. FT002 RAWP Implementation – Air Force Contract modification for the transportation and disposal of the concrete pad after it has been demolished has been awarded. Draft RAWP Addendum under Air Force review.
- d. Engineered Wetlands Treatment System (EWTS)
- September post maintenance sampling results: Iron concentration and manganese concentrations below treatment objectives.
- e. Purge Well Cleaning – Job Site Services was on site 5-8 October 2020 to perform the purge well maintenance event. LF030/31 PWs 3, 4, 6 had the pumps cleaned, the wells were treated with acid and disinfected. LF30-PW8 had the pump cleaned, the well and line were treated with acid. At FT02-PW1 had the pump cleaned and the well was disinfected, FT02-PW2 the well was disinfected, and the pump switched out with one on hand, and FT02-PW6 had the pump cleaned.
- f. Annual RA-O groundwater monitoring began in May and was completed in October 2020. The previously approved 2019 Sampling Plan is being followed. 2020 IRP sites completed: FT002, LF027, LF030/031, OT016 OT024, SS005, SS006, SS008, SS021, SS072, SS071, SS057 and WP004.

Bay West/Wood

- a. VIAP Update – Q2 sampling event took place the week of 24 August 2020.

Aerostar

- a. Central GAC Treatment System (CTS) Status
 - i. Continued normal O&M

- b. Mission Pump and Treat System (MPTS) Status
 - i. Continued normal O&M. We anticipate change out of the lead resin vessel the week of 9 November 2020.
- c. PFAS Remedial Investigation Status/Schedule
 - i. Continued with preparation of the UFP-QAPP and remedial designs
 - ii. Held additional scoping meetings with EGLE on the IRA on 7 October 2020 and the CSM/DQOs on 15 October 2020.

5. Air Force Updates

- a. OWAA 10 parcels
- b. RAB Update

6. EGLE RRD - Superfund Section Updates

- a. Other – RAB topics

7. EGLE RRD - Bay City District Updates

- a. Kings Corner Road Dump - Known PFAS contamination site off Base.
- b. Loud Drive - Known PFAS contamination site off Base.
- c. Oscoda area sampling – Other areas where PFAS is being sampled off Base.

8. EGLE WRD Updates

- a. Status update on the revised sampling plan for CTS and Mission PTS
- b. Surface water/fish sampling in area
- c. Oscoda Township Wastewater Treatment Plant Update: status of additional PFOS/PFOA sampling; actions related to PFOS/PFOA discharges to groundwater

9. MDHHS Updates

- a. Residential Well sampling update

10. Schedule Next BCT Meeting

- a. 19 November 2020 teleconference 0900-1100 EST
- b. 16 December 2020 teleconference 0900-1100 EST