

Meeting Minutes
Wurtsmith BCT Meeting
23 September 2020
Teleconference

Bay West Project No. J150073
Location: Teleconference

Meeting Date: Wednesday, 23 September 2020
Meeting Time: 0900-0945 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
Charlie Bauer	EGLE- WRD – Bay City	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	Ann Person	EGLE – RRD -Bay City
Brad Ermisch	EGLE-RRD - Compliance/Enforcement, Lansing	Teresa Seidel	EGLE – WRD-Lansing
David Kline	EGLE – RRD – Superfund Section Manager, Lansing		

The meeting was held via Skype. The meeting began at 0900 hours on 23 September 2020 and adjourned at 0945 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 26 August 2020 BCT Review

- a. 26 August 2020 meeting minutes were finalized on 16 September 2020. The hard copy was placed in the IR, at the Oscoda Library.
- 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.
 - ii. Draft the CTS and MPTS Interim sampling plan or revised SRD.
 1. M. Siler stated that T. Buckmaster said the revised plan should be sent to the Air Force within the next week.
- c. Air Force
 - i. Share the VIAP Q1 results with MDHHS
 1. The results were emailed to P. Vij on 15 September 2020.

3. DOCUMENT SUBMISSION SCHEDULE AND STATUS

Only documents that have changed status since the previous BCT were discussed.

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. Final ESD submitted to Air Force for signature on 16 September 2020. Public Notice regarding the ESD availability submitted at the same time.
- c. Draft SS-57 RA-C Report
 - i. RTCs to EGLE comments and Final RA-C report submitted on 10 September 2020.
- d. Draft SS-17 Site Closure Technical Memorandum
 - i. RLSO submitted to Air Force on 31 August 2020. Will be posted on Bay West's box.com account for EGLE review upon receipt of Air Force concurrence.
- e. 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.
- f. Five-Year Review
 - i. Submitted to Air Force on 23 March 2020, under Air Force review.
 - ii. B. Place asked when EGLE will receive the Five-Year Review for review, D. Gibson stated anticipated submittal date is the end of November 2020.
- g. Draft 2019 LTM Annual Report
 - i. Submitted to Air Force on 11 September 2020.

Bay West / Wood

- h. VIAP Work Plan
 - i. Final VIAP Work Plan submitted 24 June 2020. RTCs to EGLE comment submitted to EGLE on 26 August 2020.
- i. SS-08 and WP-04 Draft Final Work Plans
 - i. Under EGLE Review, comments will be submitted within 45 days of the submittal date.

Aerostar

- j. EE/CA MPTS
 - i. Has been posted on the Administrative Record for review from 2 September through 2 October 2020, EGLE and the public will be able to review and provide comments during this time.
- k. MPTS/CTS UFP-QAAP
 - i. Under EGLE review, EGLE will send one set of combined comments before the next BCT, 28 October 2020.

FPM

- l. Draft Final LF-30/31 FS
 - i. Sent to EGLE on 15 August 2020, via Box.com. B. Place received an email from Randy, she will respond and CC the Air Force. EGLE comments will be submitted to the Air Force within the next few weeks.

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 September 2020.
 - ii. Draft PTS Annual Report is scheduled to be submitted to the Air Force in October 2020.
- n. 2019 LUC Report
 - i. Draft scheduled for Air Force submittal in September 2020.
- o. FT002 RAWP Addendum
 - i. Draft scheduled for Air Force submittal in September 2020. This Addendum will include specific details of the concrete removal and disposal at a Subtitle C Landfill.
- p. FT002 UST Removal Work Plan
 - i. Draft scheduled for Air Force submittal in September 2020.

Bay West /Wood

- q. VIAP Q2 Results
 - i. Draft scheduled for Air Force submittal in October 2020.

4. FIELD WORK UPDATE AND SCHEDULE

Bay West

- a. FT-02 Carbon Change out
 - i. The weekly sampling is underway, with 2-day turn-around time. The 21st GAC changeout is tentatively scheduled for the week of 29 September 2020, dependent on the system results.
- b. SS-57 RAWP Implementation
 - i. The second injection took place 23-24 June 2020 and the third quarterly sampling event took place 20-28 July 2020. The fourth quarterly sampling event is scheduled for the week of 12 October 2020. The next injection event is scheduled for November 2020, pending a review of the October results.
- c. FT-02 RAWP Implementation
 - i. Bay West received the Modification to remove the concrete pad and a concrete underground storage tank. Bay West is currently preparing an addendum to the approved FT-02 RAWP to describe how the concrete pad will be managed and disposed of after its demolition. It was noted that the final disposition of the demolished concrete will be disposal at U.S. Ecology's Subtitle C Landfill in Wayne County. A separate Technical Memorandum/Work Plan is being prepared for the UST removal, since it is not an activity included in the ROD.
- d. Engineered Wetlands Treatment System (EWTS)
 - i. Due to seasonal fluctuations manganese exceeded the discharge criteria in August 2020. September 2020 preliminary results showed all compounds were below criteria.
 - ii. Bay West turned the EWTS off on 13 July 2020 and maintenance was conducted from 29 July to 6 August 2020 in Ponds 2, 3, and 4.
 - iii. Phragmites were sprayed on 31 August 2020.
- e. Annual LTM groundwater monitoring
 - i. The RA-O LTM Annual sampling began in May 2020. Bay West will follow the approved 2019 Sampling Plan. 2020 IRP sites completed: LF-27, LF-30/31, OT-24, SS-05, SS-06, SS-08, SS-21, SS-72, SS-71, SS-57 and WP-04. 2020 remaining sites: FT-02 and OT-16.
 - ii. FT-02 and OT-16 are the only sites remaining. They are scheduled for 13-22 October 2020. Field work will include Saturday, 17 October. Bay West is sending an additional person from St. Paul to help with the sampling. B. Place will notify the Air Force and Bay West if EGLE would like to observe, or split sample at any wells. Upon receiving such notice, Bay West will

coordinate sampling schedule with EGLE to allow EGLE to be on-site for any wells it wants to observe sampling or collect split samples.

Bay West/Wood

- f. VIAP Update
 - i. S. Bashir stated Q2 sampling results are currently under being validated.

Aerostar

- g. 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.
- h. 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. Run time for both systems (CTS and MPTS) are above 95%.
- i. Remedial Investigation Status
 - i. All items as stated on the Agenda.
 - ii. P. Bond stated the Scoping Meeting Minutes will be finalized after the BCT meeting (23 September 2020).

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.
- b. Tentative schedule for the PFOS/PFOA RI, with milestones.
 - i. D. Gibson stated the RI is on schedule.
- c. RAB Update
 - i. The next meeting will be held on 21 October 2020. The meeting will be a virtual meeting, held from 5:00 to 8:00 pm.
 - ii. Air Force is Drafting the RAB Agenda. Neither EGLE nor MDHHS will be making a presentation, but both will provide updates.
 - iii. The new Co-Chair, Mark Henry, is working on a replacement for the open seat, and the few available alternate seats.
 - iv. B. Place asked what topics the Air Force planned on discussing. D. Gibson stated the RI and IRA's would be the main topics of discussion. The BCT meeting minutes are placed in the IR and are posted on the MPART website for RAB members to review. The focus of the upcoming RAB is PFAS.

6. EGLE RRD – SUPERFUND SECTION UPDATES

- a. Other – RAB topics
 - i. B. Place stated that EGLE will not present at the upcoming RAB, only provide updates. A Townhall meeting is scheduled for 20 October 2020. The DNR will be presenting planned studies from Purdue and MSU on Clark's Marsh. Brandon Armstrong will present on the EGLE's Au Sable surface water investigation and potentially foam.
 - ii. B. Place stated the Wurtsmith ARAR's were submitted 18 September 2020. Comments were also submitted on the Relative Risk Site Evaluation on 17 September 2020.
 - iii. B. Place forwarded the press release from Governor Whitmer to Mr. Henderson to the D. Gibson team on September 22, 2020.

7. EGLE RRD – BAY CITY DISTRICT UPDATES

- a. A. Armbruster was not able to attend the meeting the RRD Bay City District did not have any updates.

8. EGLE WRD – UPDATES

- a. Surface water/fish sampling in area
 - i. B. Armstrong will present an update at the Townhall meeting, 20 October 2020.
- b. Oscoda Township Wastewater Treatment Plan (WWTP) update
 - i. M. Siler stated F&V have completed all the sampling but have not received the results. EGLE is scheduling a meeting with F&V to discuss the updated data.

9. MDHHS UPDATES

- a. Residential Well sampling update
 - i. P. Vij stated residential well sampling results have been received. There were 133 wells that were non-detect, 117 wells had detections, but the results were less than the MDHHS comparison values, and 18 wells had detections higher than the MDHHS comparison values. The MDHHS comparison values are the lowest of the two-MDHHS comparison value and MCLs.
 - ii. B. Place confirmed the results were for the whole Oscoda area. She explained that one well had results over the Lifetime health advisory (LHA) of 70 ppt along Van Etten Lake, and the residents are hooked up to the municipal system, the well is not used as a drinking water well.

10. Other

- a. D. Gibson wanted to tell the team that the Saginaw Chippewa Indian Tribe of Michigan has reached out to the AFCEC requesting Government to Government Consultation. B. Place stated the District office has meetings quarterly with the Tribe and will reach out to the staff to see if they would like EGLE to present a Wurtsmith PFAS presentation at the next meeting.

11. Next Meetings:

- a. BCT – 28 October 2020, 0900 – 1100 EST
- b. BCT – 18 November 2020, 0900 – 1100 EST
- c. BCT – 16 December 2020, 0900 – 1100 EST
- d. RAB – 21 October 2020, 1700-2000 EST

12. 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.
 - i. Provide the CTS and MPTS Interim sampling plan or revised SRD.

23 September 2020
BCT Teleconference – Agenda

Wurtsmith AFB, Oscoda, MI

1. Air Force Opening Remarks/General Business Discussion

2. Previous BCT Meeting – 26 August 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.
- c. Air Force
 - iii. Share the VIAP Q1 results with MDHHS (Emailed to Mr. Vij on 15 September 2020).

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
Draft Final SS057 ESD			Final ESD submitted to Air Force for signature on 16 September 2020. Public Notice regarding the ESD availability submitted at the same time.
Draft SS057 RA-C Report			RTCs to EGLE comments and Final RA-C report submitted on 10 September 2020.
Draft SS017 Site Closure Tech Memo.			RLSO submitted to Air Force on 31 August 2020. 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
Bay West / Wood			
VIAP Work Plan			Final VIAP Work Plan submitted 24 June 2020. RTCs to EGLE comments submitted to EGLE on 26 August 2020.
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 2 September – 2 October 2020 on the Administrative Record Website
MPTS/CTS UFP-QAPP	6-30-20		
FPM			

Draft Final LF030/031 FS	07-09-20		
Bay West - To be submitted			
Draft 2019 Systems Annual Report			Scheduled for submittal to Air Force in September 2020.
Draft 2019 PTS Annual Report			Scheduled for submittal to Air Force in October 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 September 2020.
FT002 RAWP Addendum			Scheduled for submittal to Air Force in September 2020
FT002 UST Removal Work Plan			Scheduled for submittal to Air Force in September 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 12 June 2020, approximately 99 operational days since the last change out. Next change out tentatively scheduled for the week of 21 September 2020. Weekly sampling started on 24 August 2020.
- b. SS057 RAWP Implementation – The second injection was completed 23-24 June 2020. Quarterly performance monitoring sampling was completed the week of 20 July 2020. The fourth and final quarterly sampling event is scheduled for 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. Preparation of RAWP Addendum is in process.
- d. Engineered Wetlands Treatment System (EWTS)
 - EWTS Maintenance event completed in July and August 2020. See August 2020 BCT Meeting Agenda for details.
 - August 2020 post maintenance sampling results: Iron concentration below treatment objectives; manganese concentration above treatment objectives.
 - September 2020 sampling results: Preliminary data show iron and manganese concentrations below treatment objectives.
 - Phragmites were sprayed on 31 August 2020.
- e. Annual RA-O groundwater monitoring began in May 2020. The previously approved 2019 Sampling Plan is being followed. 2020 IRP sites completed: LF027, LF030/031, OT024, SS005, SS006, SS008, SS021, SS072, SS071, SS057 and WP004. 2020 remaining sites: FT002 and OT016, which are scheduled for October 2020.

Bay West/Wood

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

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- a. Central GAC Treatment System (CTS) Status
 - Conducted regular O&M, discharge limits were not exceeded
- b. Mission Pump and Treat System (MPTS) Status

- Conducted regular O&M, discharge limits were not exceeded
- c. PFAS Remedial Investigation Status
 - Compiled and evaluated existing site data
 - Developing draft UFP-QAPP
 - Developing RI DQOs and CSM
 - Developing draft Interim Proposed Plans for IRAs
 - Developing the preliminary design concepts for the IRAs
 - Project schedule provided to EGLE on August 20, 2020

5. Air Force Updates

- a. OWAA 10 parcels
- b. Schedule for the PFAS RI.
- c. 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. Surface water/fish sampling in area
- b. 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. 28 October 2020 teleconference 0900-1100 EST
- b. Determine date/time for November 2020 BCT Meeting