

Meeting Minutes
Wurtsmith BCT Meeting
26 August 2020
Teleconference

Bay West Project No. J150073
Location: Teleconference

Meeting Date: Wednesday, 26 August 2020
Meeting Time: 0900-0940 EST

MEETING ATTENDEES VIA TELECONFERENCE:

Dave Gibson	AFCEC		
Lee Major	Cherokee Nation	Andrea Keatley	MDHHS
Jeremiah Morse	AECOM	Puneet Vij	MDHHS
Paul Walz	Bay West	Dale Corsi	DLZ
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	Amanda Armbruster	EGLE- RRD – Bay City
Beth Place	EGLE-RRD – Superfund Section, Lansing	Matt Siler	EGLE- WRD -Bay City
Matt Baltusis	EGLE-RRD – Superfund Section, Lansing		
Brad Ermisch	EGLE-RRD - Compliance/Enforcement, Lansing		
Dan Yordanich	EGLE-RRD – Compliance/Enforcement, Lansing		
David Kline	EGLE – RRD – Superfund Section Manager, Lansing		

The meeting was held via Skype. The meeting began at 0900 hours on 26 August 2020 and adjourned at 0940 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 July 2020 BCT Review

- a. B. Place will forward EGLE comments to the 29 July 2020 BCT Meeting Minutes by COB on 28 August 2020.
- 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 EGLE received the Air Force recommended changes to the SRDs, a formal letter will be sent in response but to summarize:
 - a. AF Recommendation – FT002 Reduce VOC sampling in the effluent from monthly to quarterly; collected in conjunction with a weekly PFAS sampling event – EGLE agreed
 - b. AF Recommendation – CTS Reduce weekly PFOS and PFOA sampling frequency at Intermediate Stage (Port #2) to monthly, 90 days after

- changeout; - EGLE agreed to change the 60 days post change out to 90 days post change out, but weekly sampling is still required
- c. AF Recommendation – CTS Reduce monthly sampling at Intermediate Stage (Port #1) to monthly, 90 days after changeout (to mirror sampling at Intermediate Stage (Port #2) – EGLE agreed.
 - d. AF Recommendation – MPTS Eliminate the intermediate TCE sampling – EGLE agreed.
 - e. AF Recommendation – MPTS Reduce the frequency of TCE sampling from monthly to quarterly – EGLE agreed.
 - f. M. Siler commented that eventually all the updated Wurtsmith SRDs requirements will be uploaded into the MiWaters system so that the data can be entered into a Discharge Monitoring Report. That is what is required by all other facilities. Currently the Air Force submits all its SRD monitoring data into MiWaters via PDF.
 - g. L. Major asked the timeline of the formal response in writing. M. Siler stated the Air Force should receive it in the next few weeks. D. Gibson asked if it would be possible to receive it before the next BCT (scheduled for 23 September 2020). M. Siler stated that should not be a problem.
 - h. P. Bond asked if the sampling changes could be implemented now, or if the formal response is necessary. C. Bauer said no changes should be made until the formal response is received and agreed upon. Dave Gibson concurred.

3. DOCUMENT SUBMISSION SCHEDULE AND STATUS

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

- a. Draft 2018 PTS Annual Report (Bay West)
 - i. Received Air Force comments on 24 August 2020.
- b. Draft Final SS-57 ESD (Bay West)
 - i. As stated on Agenda.
- c. Draft SS-57 RA-C Report (Bay West)
 - i. As stated on Agenda.
- d. Draft SS-17 Site Closure Technical Memorandum (Bay West)
 - i. As stated on Agenda.
- e. Draft SS-72 Proposed Plan (Bay West)
 - i. Bay West received the RFQ to prepare the updated Risk Assessment and Feasibility Study.
- f. Five-Year Review (Bay West)
 - i. Document currently under Air Force review, no change from last month.
- g. VIAP Work Plan (Bay West / Wood)
 - i. The RTCs to EGLE comments are being finalized. Air Force sent Wood comments on the Draft RTCs. Wood sent responses back. Once Air Force concurs, RTCs will be submitted to EGLE.
- h. SS-08 and WP-04 Draft Final Work Plans (Bay West / Wood)
 - i. The work plans were unintentionally left off the agenda.
 - ii. Both work plans were submitted to EGLE on 20 August 2020.
 - iii. B. Place asked how the documents fit into the process? S. Bashir explained they are an attachment to the QAPP and follow the QAPP template. A DGI was conducted and these two sites. The reports summarize LTM going forward now that the DGIs are complete and it is known that there are no residual source areas and, consequently, no supplemental remedies

needed. B. Place commented that in the work plans there is a reference to draft sampling plans for 2020, and EGLE hasn't received them. P. Walz stated that they will be included in the next Annual Report, and that Bay West is sampling per the previously approved 2019 sampling plan. Sampling per the 2020 Sampling Plan will not occur until EGLE approves this plan. B. Place asked when EGLE would receive the sampling plans. P. Walz explained that the sampling plan is for all IRP sites in Bay West's Contract. The same plan is included in all three Annual Reports. The sampling plan will be included in the first Annual Report submitted, the LTM.

- i. EE/CA MPTS (Aerostar)
 - i. Will be 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.
- j. MPTS/CTS UFP-QAAP (Aerostar)
 - i. The QAPP was posted on 30 June 2020 for EGLE review. EGLE may need more time, as team members are getting authorization to access Box.com.
 - ii. The MPTS Operations and Maintenance Manual was posted on the Administrative Record.
- k. Final LF-30/31 FS
 - i. Sent to EGLE on 15 August 2020, via Box.com. Some EGLE employees still working on BOX.com access. Table 1 was blank; FPM has been notified and is working on correcting the issue.
- l. 2019 Annual Reports (Bay West)
 - i. LTM Annual Report is scheduled to be submitted to the Air Force in August 2020.
 - ii. Systems Annual Report is scheduled to be submitted to the Air Force in August 2020.
 - iii. PTS Annual Report is scheduled to be submitted to the Air Force in September 2020.

4. FIELD WORK UPDATE AND SCHEDULE

Bay West

- a. FT-02 Carbon Change out
 - i. The weekly sampling is underway, the 21st GAC changeout is tentatively scheduled for the week of 21 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. Bay West is reviewing and analyzing the validated data.
- 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. 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 the iron and manganese exceeded the discharge criteria in July 2020.
 - 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.
 - 1. Tree and brush removal around ponds.
 - 2. Rodent holes in the banks of Pond 2 were filled, eroded areas on the Pond 2 banks were reshaped, and the banks stabilized with rock removed from Ponds 3 and 4.

- 3. Ponds 3 and 4 impacted laterals were cleared, the removed rock was used to stabilize the banks for Pond 2, and the laterals filled with large washed stone.
- 4. Sludge measurements were collected in Ponds 1 on 17 August and attempted in Pond 2.
- iii. Effluent samples were collected on 14 August 2020, the iron was below criteria but manganese was above.
- 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. Bay West will notify B. Place when the sampling is scheduled.

Bay West/Wood

- f. VIAP Update
 - i. S. Bashir stated Q2 sampling is currently underway. Sampling is going smoothly with the exception of one location, where Wood and OWAA are working out the details for access to a gated area.
 - ii. B. Place stated EGLE received the sample results from the first quarterly event. P. Vij with MDHHS has requested the results as well. D. Gibson stated they are for information only. One report evaluating all four rounds of sampling will be provided for EGLE review. The Air Force will provide MDHHS with a copy of the results also.

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.
- i. Remedial Investigation Status
 - i. P. Bond commented that a summary of the initial RI/IRA scoping meeting with the BCT members held on 20 Aug 20 will be provided shortly. It will identify follow-on scoping meetings and potential dates for those meetings. Aerostar conducted a site walk with all the designers yesterday. To date everything is on schedule.
 - ii. B. Place stated that EGLE has provided Aerostar with many different types of data and asked if they had any questions. P. Bond responded that she does not have any questions but requested Appendix A to the pore water sampling document. EGLE submitted Aerostar the biota data this week, which Aerostar submitted to the risk assessors, and the residential well data will be shared very soon. B. Place wanted to be sure Aerostar has a clear line of communication and if something is missing please ask before determining the data is not usable for Air Force purposes.

5. AIR FORCE UPDATES

- a. LF-30/31 FS Status (FPM)
 - i. Already discussed in the documents section.
- b. OWAA 10 parcels
 - i. D. Gibson stated that the Air Force is working on the transfer of the 10 parcels to OWAA.

- c. Tentative schedule for the PFOS/PFOA RI, with milestones
 - i. D. Gibson stated the current schedule was shared at the July 2020 RAB. Aerostar is drafting a schedule that will be provided at the October 2020 RAB.
- d. RAB Update
 - i. The RAB was held on 22 July 2020. The next meeting will be held 14 or 21 October 2020.
 - ii. Aerostar has Tim, the former facilitator in place to conduct the RAB meetings for the duration of their RI contract.

6. EGLE RRD – SUPERFUND SECTION UPDATES

- a. Other
 - i. B. Place stated that EGLE is drafting reports to include data compiled from 2017 and 2018 investigations. Data has been presented at public meetings, but a formal report has not been drafted.
 - ii. B. Place informed the group that the MPART team will be hosting a Public Meeting in October, the date was formerly scheduled for 20 October 2020, Selection of a new date is pending.

7. EGLE RRD – BAY CITY DISTRICT UPDATES

- a. Kings Corner Road Dump – Known PFAS contamination site off Base.
 - i. No update.
- b. Oscoda area sampling – Other areas where PFAS is being sampled off Base.
 - i. A. Armbruster stated the data from the 30 monitoring wells (20 in Oscoda and 10 in AuSable) that were sampled is being evaluated. The data looks similar to previous events. But with the new MCLs more locations are above criteria.
 - ii. B. Place commented that EGLE plans to be on time to respond to Air Force request for the list of potential ARARs to be used during the PFAS RI (18 Sep 20). All the new PFAS MCLs will be mentioned.

8. EGLE WRD – UPDATES

- a. SRD Update: Process to issue “replacement” SRD for CTS and MPTS
 - i. Already discussed in the action items section.
- b. Other – Surface water/fish sampling in area
 - i. All the data is being compiled and should be submitted to Air Force by the end of the week.
- c. Oscoda Township Wastewater Treatment Plan (WWTP) update
 - i. M. Siler stated F&V were on site 19 August 2020 to do a site visit and conduct sampling.
 - ii. D. Corsi stated the wash station was installed at Van Etten Lake, on Air Force Beach next to the boat ramp.

9. MDHHS UPDATES

- a. Residential Well sampling update
 - i. P. Vij stated residential well sampling results have been received. The updated numbers will be presented at the next BCT.
 - ii. MDHHS, Mike Jury, A. Armbruster, and B. Place will be on site 2 September 2020. They will be in all public areas and require no support from Bay West.

10. Next Meetings:

- a. BCT – 23 September 2020 0900 – 1100 EST
- b. BCT – 28 October 2020 0900 – 1100 EST
- c. MPART public meeting – October 2020, date to be determined.
- d. RAB – 14 or 21 October 2020, date to be determined.

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. Air Force
 - i. Share the VIAP Q1 results with MDHHS

26 August 2020

BCT Teleconference – Agenda

Wurtsmith AFB, Oscoda, MI

1. Air Force Opening Remarks/General Business Discussion

2. Previous BCT Meeting – 29 July 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.

3. Document Submission Schedule and Status

Document	Date submitted to EGLE	EGLE Review Status	Comments
Bay West			
Draft 2018 PTS Annual Report			Submitted to Air Force on 3/18/20
Draft Final SS-57 ESD	1-9-20		Received EGLE Concurrence on 05 May. Preparing Public Notice regarding document availability.
Draft SS-57 RA-C Report	7-16-20		Draft approved by Air Force. Was posted on Bay West’s box.com account for EGLE review on 7/16/20.
Draft SS-17 Site Closure Tech Memo.			Will be posted on Bay West’s box.com account for EGLE review after final Air Force comments are addressed.
Draft SS-72 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 3/23/20; under Air Force review.
Bay West / Wood			
VIAP Work Plan			Final VIAP Work Plan submitted 24 June 2020. RTCs to EGLE comments under Air Force review.
Aerostar			
EE/CA MPTS			Under Air Force Review – anticipated public review period to begin Aug 2020
MPTS/CTS UFP-QAPP	6-29-20		
FPM			
Final LF-30/31 FS	7-9-20		
Bay West - To be submitted			
Draft 2019 LTM Annual Report			Scheduled for submittal to Air Force in August 2020.
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 September 2020.

4. Field Work Update and Schedule

Bay West

- a. FT-02 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.
- b. SS-57 RAWP Implementation – The second injection was completed 23-24 June 2020. Quarterly performance monitoring sampling was completed the week of 20 July 2020.
- c. FT-02 RAWP Implementation – Air Force Contract modification for the transportation and disposal of the concrete pad after it has been demolished is in process. Work will be scheduled once modification is awarded.
- d. Engineered Wetlands Treatment System (EWTS)
 - Iron and manganese concentrations above treatment objectives detected in July 2020.
 - Both iron and manganese concentrations have the potential for concentration exceedances during the summer (e.g., 2015, 2018 and 2019).
 - EWTS was turned off on 13 July 2020 for maintenance work in Ponds 2, 3, and 4.
 - Work took place from 29 July until 6 August 2020 and consisted of tree removal, filling rodent holes and addressing bank erosion in Pond 2, removing aggregate from along the Pond 3 and Pond 4 influent and effluent laterals and replacing with a larger washed stone, and using the aggregate removed from Ponds 3 and 4 to stabilize Pond 2 banks. .
- e. Annual RA-O groundwater monitoring began in May 2020. The previously approved 2019 Sampling Plan is being followed. 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.

Bay West/Wood

- a. VIAP Update – Q2 sampling event is scheduled to start on 24 August 2020.

Aerostar

- a. Central GAC Treatment System (CTS) Status
- b. Mission Pump and Treat System (MPTS) Status
- c. Remedial Investigation Status

5. Air Force Updates

- a. LF-30/31 FS status update on RTCs for LNAPL FS.
- b. OWAA 10 parcels
- c. Schedule for the PFAS RI.
- d. 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. Oscoda area sampling – Other areas where PFAS is being sampled off Base.

8. EGLE WRD Updates

- a. SRD Update: Process to issue a “replacement” SRD for CTS and MPTS.
- b. Other – 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. 23 September 2020 teleconference 0900-1100 EST
- b. Determine date/time for October BCT Meeting