

**Meeting Minutes**  
**Wurtsmith BCT Meeting**  
**16 December 2020**  
**Teleconference**

Bay West Project No. J150073  
Location: Teleconference

Meeting Date: Wednesday, 16 December 2020  
Meeting Time: 0900-0950 EST

**MEETING ATTENDEES VIA TELECONFERENCE:**

Dan Medina	AFCEC	Lee Major	Cherokee Nation
Catharine Varley	AFCEC	Mark Weegar	Cherokee Nation
Mounica Nandula	MDHHS	Puneet Vij	MDHHS
Paul Walz	Bay West	Dirk Pohlmann	Bay West
Andrea Stawowy	Bay West	Ryan Morrish	Bay West
Saamih Bashir	Wood	Dale Corsi	DLZ
Mike Neller	EGLE- RRD – RRD Director, Lansing	Paula Bond	Aerostar
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 Microsoft Teams. The meeting began at 0900 hours on 16 December 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 18 November 2020 BCT Review**

- a. 18 November 2020 meeting minutes are under EGLE review. B. Place will provide comments next 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 data quality metrics are not achieved. Status (summarized below) is unchanged from last month’s BCT meeting.
    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.
- c. Bay West / Air Force
  - i. Provide SS057 Annual O & M Cost. Completed on 30 November 2020 via email to B. Place.

- d. Air Force
  - i. Follow up with M. Neller, EGLE on estimated time frame of storm sewer discharge fee review. D. Medina stated the legal review has been completed; the document will now be reviewed by Dr. Ter Maath. B. Place asked if the Air Force could provide any details. D. Medina stated that the Air Force would prefer to wait until Dr. Ter Maath completes his review.

### 3. DOCUMENT SUBMISSION SCHEDULE AND STATUS

Only documents that have changed status since the previous BCT were discussed. The anticipated submittal date will not be populated until review of the Draft document has been completed by the Air Force and the RTC preparation/concurrence process has begun.

#### Bay West

- a. Draft SS017 Site Closure Tech Memo will not be submitted. The Air Force Legal team would like an ESD or Proposed Plan/ROD Amendment to be used to document Site Closure.
- b. Draft SS072 Proposed Plan – a modification is being worked on to complete an updated Risk Assessment and updated Feasibility Study, it should be awarded late 2020, or January 2021.
- c. Draft Five – Year Review – D. Medina stated there was no update. M. Weegar informed the team it is under review. Based on Five-Year Reviews for other Air Force installations, a path forward has been established to address various issues in a consistent manner across all Air Force installations.
- d. FT002 RAWP Addendum and UST Removal Work Plan were both added to the Box.com on 10 December 2020, with a 30-day review period. EGLE acknowledged receipt and indicated the 30-day review period is acceptable.

#### Bay West / Wood

- a. SS008 and WP004 Draft Final Work Plans
  - i. VIAP nearby buildings and sub-slab locations photo log was provided to EGLE on 1 December 2020, no comments are required. EGLE appreciated the photolog.
  - ii. EGLE submitted comments on 28 October 2020, there were no comments on the SS008 UFP-QAPP RA-O WP/FSP, it was submitted Final. Revised RTCs for the WP004 UFP-QAPP RA-O WP/FSP were submitted 17 November 2020. EGLE will complete its review and provide concurrence or follow on comments before 25 December 2020.

#### Aerostar

- a. Note all dates for document submittals stated on the Agenda are projected dates.
- b. Van Etten Lake Proposed Plan is under Air Force legal review.
- c. Clark's Marsh Interim Proposed Plan was submitted to EGLE on 14 December 2020.
- d. B. Place asked if the read ahead DQO's will be submitted next week. P. Bond confirmed that this is correct.
- e. M. Weegar asked if Polly Synk received access to the Box.com? B. Place will follow up with her.

#### FPM

- a. Final LF030/031 FS EGLE stated that all comments have been resolved and the document can move forward.

### 4. FIELD WORK UPDATE AND SCHEDULE

## Bay West

- a. FT002 Carbon Change out
  - i. The 22<sup>nd</sup> GAC changeout is tentatively scheduled for 04 January 2021, pending sampling results.
- b. SS057 RAWP Implementation
  - i. The semi-annual sampling event is scheduled for April 2021, after results are received, validated, and evaluated, the fourth injection will be scheduled.
- c. FT002 RAWP Implementation
  - i. Field work is tentatively scheduled for April 2021.
- d. 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, LF030/031, OT016, OT024, SS005, SS006, SS008, SS021, SS072, SS071, SS057 and WP004.
- e. Annual Basewide groundwater gauging
  - i. Bay West gauged 447 locations the week of 02 November 2020. Data was provided to EGLE.
- f. 2020 base-wide plume maps are being developed based on data from groundwater gauging and sampling.

## Bay West/Wood

- g. VIAP Update
  - i. S. Bashir stated Q3 sampling took place the week of 9 November 2020. Results are under review and appear to be consistent with previous events.

## Aerostar

- h. Central Treatment System (CTS) Status
  - i. P. Bond stated the CTS is operating as designed, regular sampling confirms SRD requirements are being met.
  - ii. A filter press pilot study to address the solids management disposal took place the week of 7 December 2020.
- i. 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.
  - ii. P. Bond stated the resin in the lead vessel was exchanged on 13 November 2020, and the lead and lag vessel positions were rotated. This was the second resin exchange since start up in December 2019, now all original resin has been replaced.
  - iii. C. Bauer asked the reason for the resin change out; it was estimated to last approximately 2 years. P. Bond explained that there is an aerobic bacteria in the water that is causing biofouling. At the Benzene wells iron bacteria is present, but the MPTS bacteria is different. A UV light has been installed to eliminate the bacteria.
- j. Remedial Investigation Status
  - i. UFP-QAPP is in Air Force review.
  - ii. The Clark's Marsh Proposed Plan was submitted to EGLE and the Van Etten Lake Proposed Plan is under Air Force legal review.
  - iii. The Van Etten Lake 90% remedial design is being revised to incorporate USAF comments on the 60% remedial design package.
  - iv. The Clark's Marsh 60% design is under USAF review.
  - v. A Remedial Action Work Plan is in development which will include packages for each IRA that EGLE will review.

- vi. The next scoping meeting is scheduled for 12 January 2021. P. Bond stated the read ahead DQOs will be submitted the week of 21 December 2020. EGLE will provide comments to the 15 December 2020 meeting and Risk Assessment meeting next week.

#### **5. AIR FORCE UPDATES**

- a. OWAA 10 parcels
  - i. No update provided.
- b. RAB Update
  - i. The next RAB is scheduled for 20 January 2021 at 1700 EST, virtual. Air Force is drafting an Agenda. The Agenda will include more focus on legacy issues and not just PFAS topics.
- c. Oscoda Township Stormwater discharge fee – is still under Air Force review. D. Medina is hopeful the review will be completed prior to the RAB.
- d. Air Force submitted a response to the revised SRD sampling plans for CTS, MPTS and FT002 on 3 December 2020.

#### **6. EGLE RRD – SUPERFUND SECTION UPDATES**

- a. Other – RAB topics
  - i. B. Place stated that on 19 January 2021 MPART will hold a virtual Townhall meeting. The NOW group will be updated on 13 January 2021. A Quarterly Meeting is scheduled with the Saginaw Chippewa Tribe on 15 January 2021, and a Wurtsmith presentation will be given. B. Place requested any old presentations that could be used to be sent to her. The Air Force agreed to see what was available and provide it to B. Place prior to the call with the Tribe.
  - ii. The Air Force is interested in the contents of the access agreement between EGLE and USFS, as the Air Force prepares the MOU with USFS. Wells were installed in Clark’s Marsh recently by EGLE and the access agreement was updated. B. Place agreed to provide the access agreement information.
  - iii. B. Place is following up on the MCL status for the remaining 5 PFAS compounds and whether these are considered promulgated during the Part 201 rule making process.

#### **7. EGLE RRD – BAY CITY DISTRICT UPDATES**

- a. Kings Corner Road Dump – no update.
- b. Loud Drive – no update, sampling will be scheduled in January 2021, but no date set at this time.
- c. Oscoda area sampling – there was an exceedance in an AuSable Township monitoring well, there are 14 private wells in the area of the exceedance. All residents have been notified, and sampling of the 14 wells is scheduled for January 2021.

#### **8. EGLE WRD – UPDATES**

- a. Surface water/fish sampling in the area – no update.
- b. Oscoda Township Wastewater Treatment Plan (WWTP) update
  - i. C. Bauer stated that EGLE is working with the consultant in Oscoda to identify PFAS sources coming into the system. M. Weegar asked if only one round of sampling was completed on the sanitary sewer manholes. M. Siler confirmed that only one round of manhole sampling has been completed. Monthly sampling is completed at the influent and effluent of the WWTP.
- c. B. Place asked if there was a timeframe for the SRD responses to Air Force comments. C. Bauer stated that there is no time frame, the permits section is completing its review.

## 9. MDHHS UPDATES

- a. Residential Well sampling update
  - i. P. Vij stated no change from last month, results letters will be mailed in December 2020. A Townhall meeting is scheduled for 19 January 2021.

## 10. Next Meetings:

- a. BCT – 27 January 2021, 0900 – 1100 EST
- b. BCT – 17 February 2021, 0900 – 1100 EST
- c. BCT – 17 March 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.
  - ii. Provide USFS Access Agreement information. (B. Place provided to C. Varley, D. Gibson on 16 December 2020)
  - iii. Follow up on remaining 5 PFAS MCLs.
- b. Air Force
  - i. Provide previous Wurtsmith slide show to EGLE for use at Tribal meeting.

**1. Air Force Opening Remarks/General Business Discussion**

**2. Previous BCT Meeting – 18 November 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.
- c. Bay West / Air Force
  - i. Provide SS057 Annual O&M costs. Completed on 30 Nov 20 by email to B. Place.
- d. Air Force
  - i. Follow up with M. Neller, EGLE on estimated time frame of storm sewer discharge fee review.

**3. Document Submission Schedule and Status**

Document	Date submitted to EGLE	EGLE Review Status	Comments
<b>Bay West</b>			
Draft 2018 PTS Annual Report			Bay West preparing RTCs to AF comments received on 24 August 2020
Draft SS017 Site Closure Tech Memo.			Based on a review by Air Force legal, an ESD or Proposed Plan/ROD Amendment will be used to document Site Closure.
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. Submission to EGLE end of December 2020.
Draft 2019 LTM Annual Report			Submitted to Air Force on 11 September 2020; under Air Force review.
FT002 RAWP Addendum			The document will be submitted to EGLE in December 2020. EGLE review time is 30 days.
FT002 UST Removal Work Plan			The document will be submitted to EGLE in December 2020. EGLE review time is 30 days.
<b>Bay West / Wood</b>			
VIAP nearby buildings and sub-slab locations photolog			Submitted to EGLE on 1 December 2020. No comments are expected
WP004 UFP-QAPP RA-O WP/FSF			EGLE provided comments on 28 October 2020, Wood submitted RTCs on 12 November 2020

16 December 2020  
BCT Teleconference – Agenda  
Wurtsmith AFB, Oscoda, MI

SS008 UFP-QAPP RA-O WP/FSP			EGLE provided comments on 28 October 2020, accepting the work plan as is
<b>Aerostar</b>			
Van Etten Lake Interim Proposed Plan			Estimated EGLE submission date NLT 14 January 2021.
Clark's Marsh Interim Proposed Plan			Estimated EGLE submission date NLT 6 Jan 2021.
PFAS RI UFP-QAPP			Estimated EGLE submission date 2 February 2021
MPTS Action Memorandum			Estimated EGLE submission date 15 February 2021
<b>FPM</b>			
Final LF030/031 FS			Comments received from EGLE on 8 Oct 2020. RTCs provided to EGLE on 1 Dec 20.
<b>Bay West - To be submitted</b>			
Draft 2019 Systems Annual Report			Scheduled for submittal to Air Force in December 2020.
Draft 2019 PTS Annual Report			Scheduled for submittal to Air Force in January 2021.
Draft 2019 LUC Report	Final version is posted to collaborative website for informational purposes only.		Scheduled for submittal to Air Force in December 2020.
<b>Bay West/Wood - To be submitted</b>			
VIAP Q3 Results			Preliminary data received, waiting for final data. Scheduled for submittal to Air Force in January 2021

#### 4. Field Work Update and Schedule

##### Bay West

- a. FT002 - Next change out tentatively scheduled for the week of 4 January 2021.
- b. SS057 RAWP Implementation –The fourth quarterly performance monitoring sampling was completed the week of 12 October 2020. The third injection was completed 11 November 2020, with substrate addition limited to the middle trench. Semi-annual performance monitoring is scheduled for April 2021. After the results are received and reviewed the fourth injection event will be scheduled.
- c. FT002 RAWP Implementation – Draft Final RAWP Addendum submitted to EGLE. Concrete pad demolition, which will be combined with the UST removal and IAB system construction, is scheduled for April of 2021.
- d. Annual RA-O groundwater monitoring is complete for 2020. The previously approved 2019 Sampling Plan was followed. 2020 IRP sites sampled: FT002, LF027, LF030/031, OT016, OT024, SS005, SS006, SS008, SS021, SS072, SS071, SS057 and WP004.
- e. Annual Base-wide groundwater gauging took place the week of 2 November 2020, a total of 447 wells were gauged.

- f. 2020 base-wide plume maps are being developed based on the data generated from groundwater gauging and sampling.

#### **Bay West/Wood**

- a. VIAP Update – Q3 sampling event took place the week of 9 November 2020.

#### **Aerostar**

- a. Central GAC Treatment System (CTS) Status
  - i. Continued regular O&M.
  - ii. A filter press pilot study is underway at the CTS to evaluate solids removal and waste reduction during system O&M.
- b. Mission Street Pump and Treat System (MPTS) Status
  - i. Continued regular O&M.
- c. PFAS Remedial Investigation Status/Schedule
  - i. The UFP-QAPP is under USAF review.
  - ii. The Clark's Marsh and Van Etten Lake Proposed Plans are under USAF legal review.
  - iii. The Van Etten Lake 90% remedial design is underway incorporating USAF comments on the 60% remedial design package.
  - iv. The Clark' Marsh 60% design is currently under USAF review.
  - v. A Remedial Action Work Plan is in development that will include the remedial design packages for each IRA that will be provided to EGLE for review.
  - vi. The next scoping meeting for follow up CSM and DQOs has been re-scheduled for 12 January 2021.

#### **5. Air Force Updates**

- a. OWAA 10 parcels
- b. RAB Update
- c. Oscoda Township Stormwater discharge fee
- d. Status of revised CTS, MPTS, and FT002 revised sampling plan review – Air Force submitted comments to EGLE on 03 December 2020.

#### **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. 27 January 2021 teleconference 0900-1100 EST – confirmed during previous meeting.
- b. 17 February 2021 teleconference 0900-1100 EST - confirmed during previous meeting.
- c. 17 March 2021 teleconference 0900-1100 EST – proposed.
- d. RAB – 20 January 2021