
OFFICIAL MEETING MINUTES

MEMBERS PRESENT

Michael S. Barnhart, Jay Price, Garrett Ferry, Steve Crouch, Brian Payne, Melanie Reese, Jason Cottrell, Randy Hamilton

MEMBERS ABSENT

Terry Ledford, Mike Rotella, Charlie Howard, Brian Gard, Rebecca Alcorn

GUESTS / PROXY(S) / MINUTES TAKER(S)

Josh Walker, James Cantu, Zach Roach, Ian Sinclair, Bailey Tutor (minutes taker)

HANDOUTS

Q3 – 2023 Meeting Minutes; Waste Bulking Procedures Guide EC-061; 2023 CFATS Update

1. WELCOME/APPROVAL OF AGENDA

Michael Barnhart, Program Leader, Environmental Programs (EHS), welcomed everyone to the meeting. Guest members and new people were introduced.

2. REVIEW OF PREVIOUS MEETING MINUTES

(Q): Michael Barnhart asked if there were any questions or concerns regarding the previous meeting minutes?

(A): No.

Michael Barnhart moved (motion) to finalize the minutes.

3. NEW BUSINESS

a. Waste Bulking Procedure

New people introduced attachments on the waste bulking procedure sent out.

b. 2023 Chemical Facility Anti-Terrorism (CFATS) Update

- i. Strategy Authority expired in congress.
- ii. Discussion with Mike and LSS never reached reportable quantity,
- iii. Mark smith did internal data collection, but never reported it externally.
- iv. Previously doing annual and quarterly checks.
- v. All facilities will be notified prior to this being restarted.

c. 2023-2024 EnSafe Audit Update – Hazardous Waste & Air

i. Third-Party Audits:

1. First Phase of the EnSafe Audits focused on SPCC Plan (Main Campus), Lead Management, and Universal Waste Management
2. The only remaining parts are asbestos.
 - a. This is currently being set up.
3. Mr. Barnhart is looking to finalize the ACM document by November.

- ii. Second Phase – Hazardous Waste and Air are looking to audit and improve the plans associated with this phase.
- d. SERF Waste Bulking Incident – Aug 4th, 2023
- i. On August 4th, 2023, in SERF 207, a bulking waste solvent odor was released. KFD showed up and investigated deficiencies.
 - ii. Best managed practices -
 - 1. PFEs in Strong and SERF
 - 2. In bound and out bound materials list added
 - 3. A 20-step process was added to take procedure.
 - 4. EC61 recommended to labs.
 - 5. A bulking document was sent to labs.
 - 6. A list serv distribution was added as well.
 - a. Facilities and Lab Safety sent out prior to the event.
 - b. Set for Thursday, 10-2
 - iii. There have been no reported issues with bulking since these practices have been implemented.
- e. Mr. Payne stated the following:
- 1. To reduce the risk going forward, we are looking at creating a central bulking area, but it is unlikely. We cannot stop bulking; it would increase costs and risks. There was no leak; it was a simple accident. A smoke test showed a draw into the room while bulking was happening. The chemical that caused the incident has been identified.
 - 2. TOSHA was invited to inspect; however, they declined. Despite this, be prepared for when TOSHA comes for their regular audit.
 - 3. 12 PIs stated they were not working with anything that could have caused the incident. Relevant individuals were invited to observe the bulking process but declined.
 - ii. Mr. Barnhart stated that there are no plans to bulk in there now.
 - iii. **(Q): (Mr. Crouch) Why was TOSHA involved?**
 - iv. **(A): (Mrs./Ms. Reese) Facilities were hospitalized because of prolonged exposure. They were concerned it was a gas leak and stayed inside the building for longer. Their hospitalization stay was for 24 hours.**
 - v. **(Q): (Mr. Ferry) Is there potentially a different facility to perform the bulking?**
 - vi. **(A): (Mr. Payne) Yes**
 - vii. Mr. Ferry stated: There is a radiation building being built.
 - viii. Mr. Payne stated that we are still looking to create the need footprint and money for a new hazardous waste storage and bulking room.
 - ix. Mr. Barnhart stated: We need the room for waste. 90% of bulking happens at the SERF dock.
 - x. Mr. Payne mentioned: It was considered to put it at Zeanah; however, that causes a transport issue.
 - xi. Mr. Ferry stated: The RAD building is ready, and any amendments would need to happen soon.
 - 1. **(Q): (Mr. Ferry) How soon will Dabney be replaced?**
 - 2. **(A): It is in design.**
 - 3. **(Q): Could we build an enclosure on the Buehler dock?**
 - 4. **(A): The idea has been discussed.**

- xii. Mr. Barnhart: We have been consulting with other universities. They have a large, central location and one satellite location. This is where our idea to build a central location stems from.
 - 1. **(Q): Do they own the streets between labs and bulking sites?**
 - 2. **(A): Yes, they do. We can only cross streets if they are contiguous on UTK campus.**
 - xiii. **(Q): (Mr. Sinclair)** Does having a central location create the potential for a compound incident?
 - xiv. **(A): (Mr. Barnhart)** Yes, it has been discussed.
 - xv. Mr. Barnhart stated: Some bulking may happen at Zeanah. We are speaking with Sandra. All our storage is spread across all our campuses, while other universities' storage is kept in one location due to the different nature of the campus.
 - xvi. Mr. Hamilton stated: Having everything spread out reduces the chance of a large incident.
 - xvii. Mr. Payne stated: We will continue to work on this until we have a long-term solution.
- f. Mr. Ferry explained information from Aramark regarding issues.
- i. Mark Ganes moved to Aramark. He is currently working to correct their container issues.
 - 1. Cleaning up the student union is their next goal. There is a meeting next week discussing this issue.
 - ii. **(Q): (Mr. Payne) Were the spills at Sorority Row Aramark's?**
 - iii. **(A): (Mr. Ferry) No, those were ours. We have begun the cleanup process.**
 - 1. Mark is working as liaison to fix issues between UTK and Aramark.
 - 2. Contracting with power washers to keep containers clean.
 - 3. The contractor is taking grey water.

4. REGULATORY COMPLIANCE & OPERATIONS

a. REGULATORY COMPLIANCE DISCUSSION – EHS

b. TDEC JULY INSPECTION

i. Mr. Barnhart explained:

- 1. TDEC inspection in July was strictly hazardous waste.
- 2. There was an impromptu follow up in August at GSM.
 - a. There were three violations. A formal response and corrections were sent out on August 28th. The GSM Waste Room was deemed not well ventilated and TDEC flagged this as an issue. Currently exploring the option to move this room. Sandra has been brought into the discussion for assistance. There are transport issues with moving waste out of the building. There is a need for a location like the bulking area at SERF.

c. TDEC DEFICIENCY NOTIFICATION – September 22nd, 2023

Mr. Barnhart explained that the IAMM campus annual reports were audited. Administrative errors were found with some numbers having been transposed. These mistakes were corrected, and the report resubmitted. Mr. Barnhart stated that this matter should be closed and expects to hear back if there are any issues.

d. REGULATORY COMPLIANCE DISCUSSION

- i. Mr. Barnhart stated: We are currently working with UTSI to assist them in getting up to speed with compliance.
 - 1. Ensuring RCRA, DOT, and IATA signatures.

- ii. There was a paving company found that is willing to remove the nuisance coal from UTSI's property for \$25,000.
 1. Mr. Barnhart is Currently working to ensure that the chain of custody relinquishes UTSI's ownership of the coal.
 2. There was a suggestion of giving the coal to surplus to allow for bidding on it.

e. OPERATIONS DISCUSSION

- i. This is open to all members. Each member (as needed) discussed needs or any assistance they may require, meeting compliance deadlines, or improving efficiency.

5. OTHER BUSINESS

a. Update on UT Warehouse

Mr. Price stated that Universal storage is decluttered. He explained that improvements have been made such as: adding racks to store pallets, painting color-coded lines for guidance, adding signage, training facilities, and establishing a day for processing intakes.

- i. There is a new process for batteries written into the guidance plan:
 1. Individual batteries will be labeled.
 2. Pallets will be wrapped.
 3. They will be stored.
 4. This will be potentially rolled into training in K@TE next month.

ii.

A notification has been received from TDEC regarding storage issues, but there was no fine. Mrs./Ms. Reese stated that it looks much better in the storage areas.

Mr. Price mentioned that he has been bringing outside facilities to help organize and label.

6. OTHER BUSINESS

a. Waste Bulking

Mr. Payne urged not to perform bulking while school children are present.

Mr. Barnhart suggested there could be a third listserv to ensure communication with student visits.

Mr. Payne voiced to make sure calendars line up.

b. UTSI Coal

- i. Mr. Barnhart will reach out to UTSI about coal.
- ii. Mr. Price will follow up with Brad about coal options.

7. ROUND TABLE EVALUATION

- a. Discussion on how the meeting went and any changes required.

8. ADJOURNMENT

a. REMINDERS

- i. Next Meeting to be held Tuesday, January 16, 2024, at 9:00am.
- ii. Please email questions to Michael S. Barnhart (mbarnha4@utk.edu)