
OFFICIAL MEETING MINUTES

MEMBERS PRESENT

Michael S. Barnhart, Garrett Ferry, Brad Moats, Brian Gard, Steve Crouch, Candis Sheehan, Brian Payne, Randy Hamilton, Jonathan Sawyer, Charlie Howard, Melanie Reese, Wayne Parsons

MEMBERS ABSENT

Mike Rotella, Rebecca Alcorn

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

Josh Walker, Brian Ranger (proxy for Mike Rotella), Troy Soumeillan (proxy for Rebecca Alcorn), Shannon Loyd (minutes taker)

HANDOUTS

Q2 – 2024 ECC Meeting Minutes (summary); ECC Charter and Bylaws Document v4.1 (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. Charter and Bylaws document

- i. Mr. Barnhart made modifications and additions. Added several new members to ECC. Move to finalize?
Motion approved. Adopt this document as latest.

b. EHS Staff and Leadership Updates

- i. Mr. Payne introduced Mr. Ranger as the new Director of EHS
- ii. A new Business Manager is in the process of being hired.

c. Dabney/Buehler 665 Chemical Cleanout

- i. Mr. Barnhart stated there is a time crunch to get the items removed from Dr. Best's lab per Dr. McKay. Time frame is set for a 2-week window of July 29-August 9, 2024. There are several bottles with chemical degradation, poor storage issues, legacy chemicals.

- ii. Veolia will be here for the cleanout 7/29-8/9 (no weekends). There may be some logistical issues such as parking their 30ft box truck. Pre kickoff meeting to take place Monday 7/22 at 1pm. First week Veolia will work on the low hazardous items. Second week will be the remote opening of high hazardous items.
- iii. Evacuation of the building will be required for one day at Dabney-Buehler. Dr. McKay would like 24-hour notice. The exact date is unknown. UTPD will need to assist in evacuating the building. Mr. Ranger stated regarding the facilities aspect, the air handlers should be shut down so there is no pull into the air intake on the high haz day. Some help with moving tables into room 663 as well.

Q: (Mr. Sawyer) What is Veolia's scope? Is the whole room under containment?

A: (Mr. Barnhart) There is limited space in 665. Chemicals will be relocated to 633. Place on tables, segregate, and lab pack.

Q: (Sawyer) So does 633 or 665 need to be under containment?

A: (Ranger): It should be room 665. Chemicals should be stable when they reach 633.

Mr. Sawyer discussed meeting with contractors prior to the cleanout to see what materials in the lab itself need to be protected. Mr. Barnhart stated he could walk with Mr. Sawyer to show him the room.

Q: (Sawyer) Can we move the refrigerators in the room?

A: (Barnhart): That would not be a safe idea due to the contents inside the refrigerators.

Mr. Barnhart stated there are five refrigerators, a bin of oxidizers, and an entire dry room containing all types of chemicals. Veolia has requested several class D fire extinguishers be stored in both 665 and 633 and along the route. Veolia will provide chemical spill kits.

Q: (Payne) Is Veolia going to provide an agreement to us explaining exactly what they are going to do?

A: (Barnhart): I have reached out to Seth (Veolia) for a tentative project plan.

Q: (Ranger) Does Veolia think 633 should have the same treatment level as room 665? Also get ahold of David and verify if the rooms will be sealed up with negative air pressure.

A: (Barnhart) I can draw us all in together via email to find out.

Q: (Payne) What about an inclement weather plan by Veolia?

A: (Barnhart): That should be in Veolia's plan.

Mr. Ranger discussed Veolia's plan to start early in the morning for the highly hazardous items and remote opening (possibly 6 am).

Mr. Barnhart stated there were meetings with Communications (Kerry Gardner) regarding any information that needs to be sent out. KFD will be put on notification. They have been provided the chemical inventory as well.

Q: (Hamilton) Where is the negative pressure air coming from? What about fume hoods?

A: (Ranger) The air should only be turned off when Veolia is working outside (during remote opening) not inside the building. The department is aware that all chemical reactions will be shut off during the time the building is closed. There is a lot of dilution ventilation that goes on between the middle of the courtyard outside and whatever is pulled into the building.

Q: (Ranger) Does the fume hood go down with the HVAC or are they separate?

A: (Hamilton) That question will go to Wayne Parsons.

Mr. Payne suggested having a formal written risk assessment based on Veolia's plan.

Q: (Sawyer) Is there a specific recommendation for either tape or plastic that will be used?

A: (Ranger) No, I have not heard a specific recommendation.

Mr. Gard stated on the morning of the high hazardous remote opening KFD and Emergency Response will be in 102?? Each department has been warned of the chemical cleanout and remote opening of high Haz chemicals.

Q: (Gard) With the high hazard going to that courtyard would there be an issue with me putting a camera trailer right there?

Q: (Ranger) So where would you put it?

A: (Gard) Somewhere we could have visibility on the operation so that EOC could see what is going on in real time.

A: (Ranger) that is feasible. You can put the trailer in the southwestern corner of the courtyard. You could also put cameras in the building as well.

Q: (Moats) Should we check the elevator prior to make sure it is running properly?

A: (Barnhart) David is running point on that.

Q: (Moats) What is the contingency plan if the elevator breaks down with chemicals inside of it?

A: (Barnhart): I do not know, but I can ask.

Mr. Moats stated as least one of the elevators has its own ventilation system.

Q: (Hamilton) I assume there is going to be security somewhere around the door?

A: (Moats) Once UTPD clears the area. Entrances will be taped off. Key card access changed the night before. Signage will be posted.

Q: (Reese) Is 24 hours enough notice for occupants?

A: (Barnhart) That was Dr. McKay's suggestion.

d. Tom Black Track-Contractor Issues/TDEC Certification Statement

- i. Mr. Ferry stated as part of their newest stormwater permit TDEC requires a certification statement. The policies are rewritten in the policy format and have been submitted. There are no major changes. Just this letter that is requested. Mr. Ferry mentioned that he is waiting on the board of Trustees to approve the policies.
- ii. Mr. Ferry discussed the Tom Black Track. He stated Mr. Moats noticed there were approximately thirty 300-gallon totes full of epoxy with no secondary containment. Solvents were stored around storm drains. He was not aware of the project. He let the contractors know that all the items needed to be in secondary containment. Secondary containment was provided.

e. Steam Plant Hill Dumping-Tickle

- i. Large dumping incident in dumpster on steam plant Hill contaminated with lab waste (asphalt mixed with chemicals, lab crystalizing chemicals in bottles, unknown chemicals). A professor had his students dump several loads of material on a Friday afternoon. Mr. Moats asked them to stop and made a police report. Some products were brought to Fleming warehouse that was picked up by Veolia. The dumpsters have not moved yet.

Two landfills have rejected the load due to contents. Dumpsters will need to be unloaded by hand. TDOT will not allow the dumpsters to be moved as is. Quote to remove material by hand starts at sixty thousand dollars. It would take approximately 2 days. The uncontaminated material can be taken to a landfill. Contaminated material will be transported to the chem waste facility in Alabama. Mr. Moats stated they are keeping the material covered and re wrap boxes to keep water out of it. Containment berm is located around dumpsters.

Q: (Payne) How do we ensure this will not happen again?

A: (Moats) The gate had been repaired. We got two quotes for a new robust gate. There would be someone that would have to let you into the gate. Cameras are being installed. There was only the entry gate camera before, but there will be additional cameras installed.

Q: (Gard) Is there already a sign that states what can and cannot be dumped?

A: (Moats) There are signs posted on every dumpster.

4. REGULATORY COMPLIANCE AND OPERATIONS

a. Steam Plant Hill Physical Security

- i. Mr. Howard discussed the report that was drafted. Recommended actions are signage, repair the gate. Mr. Howard met with the lab personnel and provided links for additional Haz waste training. The lab agreed to take their asphalt samples to be recycled at a local asphalt plant.

Q: (Payne) What is the time frame for repairs?

A: (Moats) Camera and gate should happen relatively fast. As soon as the contractor is done with his current project he will be working on the camera and gate. He is already in the process of working on the gate. There is a couple of areas where additional signage can be placed. All dumpsters are labeled on all four sides with what material can and cannot be placed in dumpsters.

- ii. Mr. Moats stated the call button is fixed as well.

b. TDEC Inspections for 2024

- i. Mr. Barnhart stated the University is anticipating TDEC coming in July or August. TDEC will most likely be looking at GSM, IAMM, SERF, HESLER, and other buildings on Main Campus.
- ii. Mr. Crouch mentioned that it has been over two years since TDEC inspected the AG Campus.

Q: (Moats) Will they visit the Steam Plant?

A: (Crouch) There is no reason for them to visit the Steam Plant.

Mr. Barnhart discussed the possibility of TDEC wanting to also see Fleming Warehouse. Mr. Moats stated Fleming Warehouse is in compliance.

Q: (Ranger) Is it primarily Uni waste?

A: (Moats) Yes.

c. Operations Discussion

- i. Mr. Barnhart opened conversation for Operational discussion.

Q: (Barnhart) Randy, anything?

A: (Hamilton) No.

5. OTHER BUSINESS

- a. Mr. Crouch mentioned his biggest concern is preparing for any possible TDEC inspections and trying to stay on top of the labs to ensure everything is in compliance.

Q: (Crouch) Do you send them updates for SPCC as sources come on, or do you just wait for the five-year cycle and catch everything up?

A: (Howard) It is supposed to be as sources come on.

- i. Mr. Moats discussed the compost site and secondary containment requirements as well as volume limits for bio diesel fuel.

Q: (Ferry) How far off campus would a site be to be included under "Main Campus? What is the volume?"

A: (Crouch) 1320 gallons.

- b. Lead Inspections

- i. Mr. Howard discussed the six-month lead inspection conducted on White Ave.

Q: (Howard) Where do I send the inspection results to for corrective action?

A: (Hamilton) Probably just go to maintenance. Or construction. The paint shop could probably do it.

- ii. Ms. Loyd stated there has been an ongoing issue with communication and ensuring the repairs are completed.

- iii. Mr. Howard instructed any staff not to use electric sanders or heat guns for the repairs.

- iv. Mr. Hamilton stated to send the lead inspection report for repairs to Ron Couch in construction.

- c. Ms. Sheehan thanked everyone for help with the Steam plant outage.

- d. Mr. Hamilton stated they have had issues with people removing items (ex: floor tiles) before they should.

- e. **Q: (Moats) What are the repercussions if we do not meet the September deadline for delegation letter?**

A: Fines.

- f. **Q: (Payne) Do we have some sort of list serve to communicate to everyone for a TDEC visit?**

A: (Ranger) We have that template. We can get it out within ten minutes.

Mr. Moats stated that we can give a heads up that TDEC is expected to visit within the next two weeks for example, so people have plenty of time to be properly prepared for any visits.

6. ROUND TABLE EVALUATION

Q: (Mr. Barnhart) Anything else?

- a. Mr. Hamilton stated the tank size from earlier discussion (bio diesel fuel) is one thousand gallons.

7. ADJOURNMENT

a. REMINDERS

- i. Next meeting for Q4 to be held Tuesday, October 15, 2024, at 9:00am.
- ii. Please email questions to Michael S. Barnhart (mbarnha4@utk.edu)