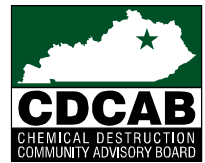




Doug Hindman  
Chair

Chemical Demilitarization Citizens' Advisory Commission  
Chemical Destruction Community Advisory Board  
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Richmond, KY 40475  
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Reagan Taylor  
Craig Williams  
Co-Chairs

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**Kentucky Chemical Demilitarization Citizens' Advisory Commission (CAC) and  
Chemical Destruction Community Advisory Board (CDCAB) Meeting  
Summary of Action Items and Discussions  
June 14, 2017  
Eastern Kentucky University (EKU)  
Richmond, Kentucky**

**Attendees**

**CAC:** Doug Hindman, Mark Klaas (for Michael Dossett), Harry Moberly, Aaron Thompson, April Webb (for Jon Maybriar) and Craig Williams

**CDCAB:** Robert Augustine (for U.S. Sen. Rand Paul's office), Robert Blythe, Jeff Brubaker, Joe Elliott (for Col. Norbert Fochs), Joe Fryman and Alicia Martin (for U.S. Rep. Andy Barr's office), Lt. Col. Scott Gould, Jeanne Hibberd, Doug Hindman, Ron Hink, Mike Hogg, Leslie Kaylor, Mark Klaas, Howard Logue, Tara Long, Bryan Makinen, Darcy Maupin, Harry Moberly, Chester Powell, David Rowlette, Aaron Thompson, April Webb, Craig Williams and Ethan Witt (for U.S. Sen. Mitch McConnell's office)

**Media Attendees:**

*The Richmond Register:* Ricki Barker

*WKYT-TV:* Michele Chamberland and Steve Moss

**Meeting Synopsis**

The meeting provided information on the following:

- Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) Update
- GB Sample Extraction Operation
- Rocket and Rocket Motor Monitoring
- Kentucky Department for Environmental Protection (KDEP) Permitting Updates

## **Meeting Summary Structure**

This meeting summary is not intended to be a verbatim record of conversations; instead, it will provide an overview of the discussions and action items of government representatives and various members of the CAC and CDCAB. Key action items identified in the meeting and a synopsis of the major questions and comments discussed during the various updates are noted below. Copies of slides and handouts presented during the meeting can be obtained from the Blue Grass Chemical Stockpile Outreach Office (ORO) at (859) 626-8944 or bgoutreach@iem.com.

## **Action Items**

**Action Item:** Confirm 2018 CAC/CDCAB meeting dates.

**Responsible Entity:** Sarah Parke.

**Timeline:** By Sept. 13, 2017.

## **Outline of Key Issues and Discussions**

### ***Welcome and Introductions – Sarah Parke, Manager, ORO***

Parke welcomed the attendees, reviewed the meeting agenda and noted there were no action items generated from the March 8, 2017, CAC/CDCAB meeting.

### ***Opening Remarks – Doug Hindman, Chair, CAC, and Craig Williams, Co-Chair, CDCAB***

Hindman said he was glad everyone attended the meeting. Williams noted regrets sent by Reagan Taylor and David Bengé. He said he was thrilled to see the Knights of Pythagoras summer camp attendees there so they could get a feeling for what it's like to deal with issues at the community level. Williams also recognized Peggy Baker, wife of past CDCAB member Howard Baker, and expressed his gratitude to her and her family.

## **Key Updates**

***BGCAPP Project Update – Jeff Brubaker, Site Project Manager (SPM), BGCAPP, and Ron Hink, Project Manager, Bechtel Parsons Blue Grass (BPBG)***

***Slides of this presentation may be obtained by contacting the ORO at (859) 626-8944 or bgoutreach@iem.com.***

Brubaker and Hink delivered the update. Brubaker said the acting Assembled Chemical Weapons Alternatives Program Executive Officer (PEO) has advised a selection has been

made for a new PEO and the announcement will be made Friday via stakeholder email. He said that person will most likely come to Richmond before the next CAC/CDCAB meeting for an orientation and a meet-and-greet with stakeholders. Brubaker then discussed the re-baselining process BPBG recently finished, which reflects the current schedule. This added approximately \$400 million to the systemization budget. This, in turn, changed the reporting of the systemization percent complete, which now stands at 46.5 instead of the previous 67.3 reported at the last meeting. Hink focused on safety and said the project is focusing on heat-related activities for the plant's structured program "101 Days of Summer." He noted the project is an Occupational Safety and Health Administration Voluntary Protection Program site and said it has been a great performance by the workforce. Brubaker then explained how the \$127 million of supplemental funding approved by Congress will be split between the Blue Grass and Pueblo projects: roughly 2/3 to Blue Grass and 1/3 to Pueblo. He described the four areas in which BGCAPP plans to use the money: 1) supercritical water oxidation (SCWO) acceleration efforts; 2) Explosive Destruction Technology (EDT) punch-list items; 3) the Electronic Security System for EDT and the main plant, which will be accelerated to optimize the potential for an earlier start-up of both projects; and 4) rocket-motor glovebox design and fabrication. Brubaker said he anticipated also reenergizing the 50-hour work week for about 135 people and that number should increase next year. He said the project's focus is on testing process equipment and the support activities for such testing. Hink discussed progress and said the fuel oil and natural gas systems have also been turned over to operations and the testing of the Control and Support Building ventilation system is going well. He then said this should be the last time he should have to present the SCWO welds topic as there are no technical issues remaining and the few welds left to complete will not present a schedule issue. Brubaker provided information on staffing and said the addition of the supplemental funds will allow the start of build-up of the staff again. Brubaker updated the group on the Pueblo project and said they have not yet made a decision on the temporary off-site shipment of hydrolysate.

Craig Williams said he was pleased the PEO selection has been made and he understands the previous PEO was very involved in making sure the new PEO understands the program.

Williams asked if the supplemental funding check had been received. Brubaker said he expects it to take a few more days for the funds to be placed on the BPBG contract. Williams noted the assistance of Sen. McConnell's and Rep. Barr's offices in getting the supplemental funding.

Williams then asked if the rocket-motor sampling glovebox will be part of the plant. Brubaker said it is new hardware that will be installed in the Unpack Area.

Williams informed the group that he had received correspondence from Organisation for the Prohibition of Chemical Weapons members and they were pleased to meet the CAC/CDCAB members at the April 4 meet-and-greet event.

Jeanne Hibberd asked the cost of the SCWO weld repairs and if there was an update on recouping money from this issue. Hink said progress is being made. Williams also asked if the weld issue was part of the reason the project needed the supplemental funding. Brubaker said it contributed to the need for additional funding.

***GB Sample Extraction Operation – Eddie Whitworth, Deputy SPM, BGCAPP***

***Slides of this presentation may be obtained by contacting the ORO at (859) 626-8944 or [bgoutreach@iem.com](mailto:bgoutreach@iem.com).***

Whitworth said the purified chemical agent currently being used for analysis purposes does not provide a realistic challenge to the project's monitoring equipment and the project has requested munitions-grade, or agent containing stabilizers, to reduce start-up risk and prepare the Laboratory for operations. He said a project working group has been established. The group's path forward is to take two one-liter samples, each containing a different stabilizer, from projectiles in a glovebox set up in the Blue Grass Chemical Activity's Chemical Limited Area. Rockets will not be sampled, due to the risk to the workforce, and chemists will add aluminum to some of the agent sample to simulate the agent from rockets. He explained the sampling process and showed a graphic of the drilling and tapping equipment. Whitworth said KDEP recommended developing a new module for the Blue Grass Army Depot's (BGAD) Resource Conservation and Recovery Act permit for this, which project personnel are finalizing this week. A public meeting on the subject is scheduled for July 19 at the Blue Grass Chemical Stockpile Outreach Office, with permitting documentation available at local repositories when released. Sampling operations are currently scheduled to begin in May 2018.

Williams said the Secondary Waste Working Group is very happy with the decision and is confident the workers will be better protected through sampling from the projectiles instead of rockets. He asked about permit status. Whitworth said the internal review is complete and it is being staffed for signatures before delivery to KDEP. Williams asked if a public meeting would be required, due to its Class 2 status. Whitworth said yes. Parke said a public notification will be sent to stakeholders informing them of this.

***Rocket and Rocket Motor Monitoring – Kevin Rankin, Systemization Integration Manager, BPBG***

***Slides of this presentation may be obtained by contacting the ORO at (859) 626-8944 or [bgoutreach@iem.com](mailto:bgoutreach@iem.com).***

Rankin explained to the group that BGCAPP was not designed to process rocket motors in general, only the small number associated with the leaker rockets, and it is necessary to ship the motors off-site for processing. He said the propellant has been tested and found to be in near-as-manufactured condition and is stable and safe for transport. It also has to be proven that the motors are not agent-contaminated before shipment, as

there is a very improbable chance of agent leaking down to the motor end of the rocket. Rankin said this is where the rocket-motor glovebox comes into play and showed graphics of the planned location of the glovebox in the Unpack Area and the planned route of the rockets during the process. He said the glovebox design is still under development and should be complete in about two months, then will be sent off-site for fabrication after a contract is let and awarded. Rankin explained the use of the glovebox and the monitoring process and said the Motor Packing Room and each individual shipping container with motors will be monitored during operations. Additional monitoring and air-flow equipment will be needed in the Motor Packing Room and the Rocket Motor Discharge Airlock. The contract has not been awarded for rocket-motor transportation and disposal. Two depot magazines are also needed to stage cleared rocket motors before their transportation, and those have been identified. Motor and shipping-and-firing-tube boxes have been designed and tested and their fabrication will need to be contracted.

Hibberd asked if the motors would be considered hazardous waste. Rankin said they would carry the Kentucky waste code for chemical agent-derived waste. Williams asked for clarification that this code means they are associated with chemical agent, not contaminated with it. Rankin said yes.

Williams asked if all the rockets would be glovebox tested and the time involved in that process. Rankin said all of the rockets except those designated as leakers would be tested, and time-and-motion studies have been done and the process has not been determined to have a significant impact on the project schedule. Williams then asked if an on-site disposal option was available. Rankin said the project was looking at the Blue Grass EDT at one point, but with schedule and money constraints, that was removed as an option. As another downfall, he acknowledged the two igloos secured for rocket-motor storage might be insufficient to keep the main-plant processing moving forward should the Blue Grass EDT solely be used. Williams asked if consideration had been given to the depot's controlled detonation chamber. Rankin said yes.

Williams asked the storage limit for this kind of material. Rankin said the hazardous waste limit is generally a year unless it is proven more time is needed.

### ***KDEP Permitting Updates – Dale Burton, BGAD Section, KDEP***

***Slides of this presentation may be obtained by contacting the ORO at (859) 626-8944 or [bgoutreach@iem.com](mailto:bgoutreach@iem.com).***

Burton provided the group updates on who and what KDEP is, the personnel related to the BGCAPP project and their functions and that the organization is now operating from their new building on Sower Boulevard in Frankfort, Kentucky. He gave a quick review of the permits applicable to BGCAPP and the kinds of modifications that can be made to those permits. Burton then explained current permitting actions, including Revision 6, a "mega-update" of the main plant operations; and a Class 2 modification to formally

approve the cyanide destruction and removal-of-munitions-washout design changes, both under the project's Research, Development and Demonstration permit. Both of these modifications are on track to be approved by the end of calendar year 2017. He said they are also working permit actions for the depot that do not apply to BGCAPP, such as the open burn/open detonate application. Burton acknowledged the upcoming GB sampling modification and said more will be coming, such as storage for the rocket motors, and they plan on being very busy with all this for the next several months.

***Closing Remarks – Doug Hindman, Chair, CAC, and Craig Williams, Co-Chair, CDCAB***

Williams noted the June 15 tour for the Bluegrass Tomorrow board of directors. He then recognized the congressional representatives at the meeting and said the group appreciates all their support.

Hindman said a lot of the reason for having this group at these meetings is to be available to public citizens who may have questions about the program. He encouraged members to make themselves available to answer their questions or contact Williams or himself if the member can't answer the questions. Parke added the ORO as another way to get questions answered.

***Next CAC and CDCAB Meeting***

The next meeting is scheduled for Wednesday, Sept. 13, 2017, at 1:30 p.m. at the ECU Carl D. Perkins Building, Rooms A and B.

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