

UTILITY RADIOLOGICAL SAFETY BOARD  
MEETING MINUTES  
January 8, 2018

Sima Merick, Director of Ohio Emergency Management Agency called the Utility Radiological Safety Board (URSB) Statutory Board meeting to order at 1:30 PM on January 8, 2018 which was held at Ohio Emergency Management Agency.

The first order of business from the agenda was the roll call taken by Peter Hill, URSB board secretary.

**I. ROLL CALL (Board Members)**

EMERGENCY MANAGEMENT AGENCY (Ohio EMA)	SIMA MERICK – Present
DEPARTMENT OF HEALTH (ODH)	REBECCA FUGITT – Not Present
DEPARTMENT OF HEALTH (ODH)	STEVE HELMER – (No Vote)
ENVIRONMENTAL PROTECTION AGENCY (OEPA)	MARCUS GLASGOW - Present
DEPARTMENT OF AGRICULTURE (ODA)	TERRI GERHARDT - Present
PUBLIC UTILITIES COMMISSION (PUCO)	DANIEL FISHER - Present
DEPARTMENT OF COMMERCE (ODOC)	JOHN SHARIER- Present

A quorum was declared.

***Other Notable Attendees:***

Mr. Dale Vitale, Attorney General's Office (OAG)  
Mr. Sean Zalesny, First Energy Nuclear Operating Company (FENOC)  
Mr. Edward Golinski, Federal Emergency Management Agency (FEMA)  
Mr. Dwain Warren, Federal Emergency Management Agency (FEMA)

**II. READING OF THE October 10, 2017 MINUTES (ADOPTED)**

The board was provided a few minutes to review the October 10th minutes. There was a name spelling correction for Ms. Jodi Billman-Kotsko. Ms. Merick asked for a motion to approve the October 10, 2017 URSB minutes as corrected. Mr. Fisher made a motion to accept the minutes, and Mr. Sharier seconded the motion. No discussion was needed and a vote was called. All were in favor, none opposed, the motion passed.

**III. OLD BUSINESS**

**A. Motion to request an IZRRAG update at April 9, 2018 URSB Meeting.**

Director Merick opened a discussion to gauge the interest in the URSB agencies requesting an update on the ingestion planning effort from the Ingestion Zone Reentry and Recovery Advisor Group (IZRRAG). Ohio EMA expressed that they would like an update, OEPA and ODA concurred. The director entertained a motion to have the IZRRAG report on planning progress at the April 9, 2018 URSB Meeting. Ms. Gerhardt made the motion, Mr. Glasgow seconded the motion. Mr. Helmer of ODH requested clarification on if each agency of the IZRRAG was to report or if ODH as the Chair was to report. It was determined that ODH as the Chair should report for the IZRRAG to the URSB. A vote was taken, all were in favor, none opposed and the motion passed.

UTILITY RADIOLOGICAL SAFETY BOARD  
MEETING MINUTES  
January 8, 2018

**IV. NEW BUSINESS**

**A. Member Agency Quarterly Reports**

**1. Ohio Department of Agriculture – Terri Gerhardt**

- Ohio Department of Agriculture attended the following meetings.
  - NEPAC on October 26, 2017 in Akron.
  - Nuclear Power Plant Emergency Planning (NPPEP) meetings throughout the quarter.
  - Nuclear Power Plant Intermediate Planning (NPPIP) meetings throughout the quarter.
  - IZRRAG meetings throughout the quarter.
- The Sampling exercise conducted at ODA on October 31, 2017 was a cold affair, but was well attended and a lot of valuable lessons were learned. One of the drill items that was most appreciated was working through the sample turn-in process with the OHD Sample Screening Team.
- The next sampling exercise is scheduled at ODA on May 8, 2018 where everyone will have an opportunity to test any changes made to procedures following the lessons learned in the previous exercise.
- ODA preparedness ran a surprise preparedness response drill where all hands were required to report for a mock emergency on December 20, 2017. The response times were better than anticipated.

**2. Public Utilities Commission – Daniel Fisher**

- Attended regular meetings of NPPEP, NPPIP.

**3. Ohio Department of Health – Steve Helmer**

**ODH's complete report was included in the meeting packets provided to each board member and visitor.**

- ODH participated in two JIOPs this quarter. One with the Perry Nuclear Power Plant the week of October 10<sup>th</sup> and one with Davis-Besse the week of October 23.
- Lab did collect and evaluate 285 environmental samples on power plants at or near minimum detectable activity.
- Participated in three Integrated Plant Drills with OEMA on October 10, October 19, 2017, and from ODH on November 30, 2017.
- Along with Ohio EMA participated in the NEPAC meeting on October 26, 2017 with next meeting scheduled on January 18, 2018.
- Attended Nuclear Power Plant Emergency Planning (NPPEP) and Nuclear Power Intermediate Planning (NPPIP) meetings at OEMA.
- Continue to gain proficiency with Turbo FRMAC.
- Attended FEMA Region V Scheduling Conference November 15-17, 2017.
- Participated in Tri-County, Tri-State meeting via conference call on December 7, 2017.
- Participated in the RadResponder Webinar on December 4, 2017 in Preparation for the National Exercise on December 6, 2017.

UTILITY RADIOLOGICAL SAFETY BOARD  
MEETING MINUTES  
January 8, 2018

**4. Ohio EMA – Chris Salz**

**Mr. Salz's talking points were included in the meeting packets provided to each board member and visitor.**

- Mr. Salz introduced Mr. Steven Bertonaschi as the new Health Physics Supervisor at OEMA.
- Created scenarios and exercises, then acted as controllers and facilitators for PNPP Relocation, Reentry and Recovery (RRR) dry run and FEMA evaluated exercise.
- Ohio EMA grant purchased 10 Ludlum 2241-3 instruments and forward deployed them in the regional offices, these are the same as used by FMT's and RAT teams.
- New Radiological Analyst Supervisor Mr. Steve Bertonaschi started in December.
- Facilitated NEPAC, NPPEP, NPPIP, and IZRRAG meetings
- Participated in TurboFRMAC Assessment Scientist quarterly training.
- Completed 2018 Ohio REP Plan for submission to FEMA.
- Completed Annual Letter of Certification (ALC) for FEMA.
- Coordinated and Facilitated MS-1 Exercise for Salem Medical Center.
- Coordinated and Facilitated MS-1 Exercise for Lake West Medical Center.
- Attended RAMP Users Group Meeting which included RASCAL training.
- Attended FEMA V annual training and scheduling conference.
- Participated in FEMA Region V REP States conference calls.
- Reviewed all REP MOUs and LOAs for inclusion with ALC.
- BVPS Extent of Play meetings for 2018 exercise.
- Coordinated movement of Assessment Annex to new Subject Matter Experts Room in SEOC.
- Performed Equipment Exchanges for Columbiana County and West Virginia.
- Meetings with USCG to standardize Lake Erie Response.
- Hosted and participated in 4 CTOS training courses in Lake County.
- Participated in 1 exercise, and 5 drills and 11 communications tests
- Provided 16 REP training sessions
- Attended 15 training sessions
- Calibrated 8 Portal monitors
- Attended 32 meetings in support of the Ohio REP program
- Wrote 6 EPPI's
- Coordinated 2 Radioactive Material Shipments
- Conducted REP reviews with Ohio REP partner agencies
- Portsmouth tour
- Attended sampling training hosted by Dept. Of Agriculture

UTILITY RADIOLOGICAL SAFETY BOARD  
MEETING MINUTES  
January 8, 2018

**5. Environmental Protection Agency – Marcus Glasgow**

- Introduced Mr. William (Bill) Lohner as the person assuming some of the duties of Mr. Zack Clayton who retired in October.

**Mr. Lohner's talking points were included in the meeting packets provided to each board member and visitor.**

- 10 members of the OEPA Radiological Assistance Teams (RAT) participated in the annual radiological monitoring drill held on the grounds of ODA on October 31, 2017.
- Bill Lohner has been attending the Nuclear Power Plant Emergency Planning (NPPEP) and Nuclear Power Plant Intermediate Planning (NPPIP) meetings whenever possible, as well as the IZRRAG meetings.
- Jim Mehl attended NEPAC on October 26, 2017.
- Training – Ohio EPA continues to develop a comprehensive database to track RAT members and other Ohio EPA employees training records. The goal of the database is to ensure that all RAT members are receiving appropriate training and are ready to deploy.
- At the December 6, 2017, NPPEP, Ohio EPA agreed to review and report back to the group any discrepancies with the USEPA PAG for drinking water and USEPA MCLs.

**6. Department of Commerce – John Sharier**

- Nothing significant to report.

**B. Resolution 2018-01, Recognizing Zack A. Clayton for his service to the Board**

Director Merick presented Resolution 2018-01 to the board, thanking Zack A. Clayton for his 26 years of service to the board and directing the issuance of a Certificate of Appreciation to Mr. Clayton.

The board members present voted via written ballot on Resolution 2018-01 which passed, and then Ms. Merick presented the Certificate of Appreciation to Mr. Clayton who was present to accept the award.

It was remarked that Zack Clayton was the last of the state employees who had been involved with the URSB since its creation in 1991.

**C. Resolution 2018-01, Recognizing Angela M. Sullivan for her service to the Board**

Director Merick presented Resolution 2018-02 to the board, thanking Angela M. Sullivan for her 2 years of service to the board and directing the issuance of a Certificate of Appreciation to Ms. Sullivan.

The board members present voted via written ballot on Resolution 2018-02 which passed, and then Ms. Merick presented the Certificate of Appreciation to Ms. Sullivan who was present to accept the award.

**UTILITY RADIOLOGICAL SAFETY BOARD**  
**MEETING MINUTES**  
January 8, 2018

**D. Nuclear Regulatory Commission (NRC): Mr. Allan Barker was unable to attend due to the inclement weather.**

**E. Federal Emergency Management Agency (FEMA) – Mr. Edward Golinski and Mr. Dwain Warren.**

- The majority of the FEMA radiological staff has been deployed for the past several months in support of recovery efforts from a busy hurricane season, maintaining a skeleton crew to keep upcoming REP exercises on track. As a result some of the report generation has fallen behind. Staff are returning to normal operations so we can expect the AARs for the MS-1 and RRR exercises to start moving forward.
- The director of FEMA is mandating a reorganization of the REP program to a Radiological Assessment Framework (RAF). The RAF will result in changes to the reporting, changing to a focus on core capabilities, and allow FEMA to better budget resources for assessments. This will also make it easier for States and Counties to request alternative means of demonstration and more credit for other real world events and activations in that the regional RAC chair will be able to approve alternate means instead of having to go to the national level for approval.
- Mr. Sean O’Leary as Radiological Assistance Committee Chairman will be coming out to speak to discuss the changes in the near future.

**F. FENOC:**

Mr. Sean Zalesny, First Energy Nuclear Operating Company (FENOC) reported for the utility. A complete copy of his notes is available by contacting the URSB secretary 614-889-7150.

**Beaver Valley Power Station**

**2018 Evaluated Exercise Preparations**

Preparations for the June 12, 2018 Evaluated Exercise. The scenario has been validated in the simulator and the scenario development team is working to complete the package. The Dry Run scenario has also been validated in the simulator and will be provided for review when complete. The next integrated drill is February 8.

**2018 Unit 1 Refueling Outage**

Beaver Valley is preparing for the 25<sup>th</sup> refueling outage at Unit 1 which is scheduled to begin in mid-April. As with any outage, the site is focused on performing a safe and event free refueling outage, to place the plant in condition to run continuously through the cycle to the 26<sup>th</sup> outage, in the fall of 2019. The outage duration is currently set at 27 days. Approximately 1200 supplemental workers are expected to be assisting in this outage.

**Major Outage Projects**

- Refueling of the Unit 1 Reactor
- Reactor Vessel Head inspections
- Steam Generator cleaning and inspections

**UTILITY RADIOLOGICAL SAFETY BOARD**  
**MEETING MINUTES**  
January 8, 2018

**Unit 1 Forced Outage**

On November 7, 2017 at 0504 the Unit 1 reactor automatically tripped due to a Main Unit Generator overcurrent trip. Plant trip response was as expected without complications, and all control rods fully inserted in the core. Unit 2 was unaffected.

Following the plant trip, it was discovered that one source range channel nuclear instrument failed to energize due to its corresponding intermediate range channel being undercompensated. It was manually energized, but the source range instrument did not respond as expected. The second source range instrument was reading erratically, therefore both were declared inoperable and required plant conditions established. The nuclear instruments were replaced / repaired and returned to service during the outage.

The overcurrent trip was determined to have been caused by a ground in the “C” phase of the isophase bus. The ground was determined to have been caused by foreign material in the duct work. The bus ducts were cleaned and inspected and restored to an operable condition.

At 2131 on Sunday Nov 12, 2017 Beaver Valley Power Station Unit 1 synchronized to the grid and returned to full power on Monday Nov 13.

**Implementation of NEI 99-01 Rev 6 EAL Scheme**

Beaver Valley Power Station has received final approval from the NRC of a license amendment to implement the NEI 99-01 Revision 6 EAL scheme. This change will align Beaver Valley with the rest of the FENOC Fleet and the industry. The implementation date is scheduled for February 26, 2018.

**Davis-Besse Nuclear Power Station**

**2018 Unit 1 Refueling Outage**

Davis-Besse is engaged in preparing for their upcoming refueling outage. The sites 20<sup>th</sup> refueling outage is scheduled to begin on March 3 and be completed by April 2, 2018. Emphasis is being placed on the top priority of safety as well as improvement of plant equipment to ensure the unit can remain safely on-line and at full power for the entire 24 month refueling cycle. The outage duration is currently set at 25 days, which will be the shortest in the history of the site. Approximately 1000 supplemental workers are expected to be assisting in this outage.

**Major Outage Projects**

- Refueling of the reactor
- Reactor Vessel Head inspections
- Steam Generator cleaning and inspections
- Reactor Coolant Pump motor and seal replacement

**The next Davis-Besse integrated drill is scheduled for May 15**

**UTILITY RADIOLOGICAL SAFETY BOARD**  
**MEETING MINUTES**  
January 8, 2018

**Perry Nuclear Power Plant**

**High-Pressure Core Spray (HPCS) system Leak**

The High-Pressure Core Spray (HPCS) system was declared inoperable on December 22 at 2348 due to the discovery of pin hole leak on the minimum flow line. The minimum flow line is essentially a recirculation line utilized when the high-pressure core spray pump is lined up to take a suction from the suppression pool. The leak rate was determined to be 60 drops per minute. The leak was isolated and the HPCS system was been placed in secured status. The Reactor Core Isolation Cooling system remained operable. As a result, there was no impact on continued operation of the plant, which continued to operate safely at 100% power.

The Outage Control Center was staffed and plans were developed to make repairs to the HPCS piping. A weld overlay was performed to repair the HPCS piping elbow and the HPCS System was declared operable on 12/25/17 at 2213. Engineering continues to evaluate the cause of the failure and if necessary, the piping will be replaced.

**Next Perry Integrated Drill will be May 23**

**Audible Siren and 5-way test will be performed 1/10/18.**

**FENOC Fleet Update**

Mr. Zalesny was asked if there was any update on FENOC as a whole, particularly the fate of the nuclear power plants. There was no update available outside of established news outlets.

**V. MISCELLANEOUS**

**A. Questions from the Public.**

- a. There were none.

**VI. ADJOURNMENT**

Mr. Marcus Glasgow made the motion to adjourn and the meeting was adjourned at 2:25 PM.