

UTILITY RADIOLOGICAL SAFETY BOARD
MEETING MINUTES
JULY 9, 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 July 9, 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)	ANDREW ELDER – Present
DEPARTMENT OF HEALTH (ODH)	REBECCA FUGITT – Present
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. Allan Barker, Nuclear Regulatory Commission (NRC)
Mr. Carl Bebrich, Federal Emergency Management Agency (FEMA)

II. READING OF THE April 9, 2017 MINUTES (ADOPTED)

The board was provided a few minutes to review the April 9th minutes. There was one correction requested. Mr. Elder asked for a motion to approve the April 9, 2018 URSB minutes as corrected. Ms. Gerhardt made a motion to accept the minutes, and Mr. Glasgow 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. Status of financial disclosure statements submitted to the Ohio Ethics Commission.

Mr. Elder reported that it had been verified with the Ethics Commission that all members and designees had completed their required disclosures.

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IV. NEW BUSINESS

A. Member Agency Quarterly Reports

Prior to starting the agency quarterly reports Mr. Elder announced that the IZRRAG had submitted a report to the board. He requested that the URSB Secondary send the report to the members for their review, and the Ohio Department of Health indicated any question they have be directed to Mr. Steve Helmer, whose contact information will be attached.

1. Ohio Department of Agriculture – Terri Gerhardt

- Ohio Department of Agriculture hosted and participated in FMT/Sampling Team drill on May 8, 2018.
- Ohio Department of Agriculture attended the following meetings.
 - Nuclear Power Plant Emergency Planning (NPPEP) meetings throughout the quarter.
 - IZRRAG meetings throughout the quarter.

2. Public Utilities Commission – Daniel Fisher

- Participated in the Beaver Valley Evaluated Exercise on June 12th in the Executive Room.
- Attended regular meetings of NPPEP, NPPIP.

3. Ohio Department of Health – Rebecca Fugitt

ODH's complete report was included in the meeting packets provided to each board member and visitor, and is available by contacting the URSB Secretary at (614) 889-7150.

- ODH participated in one JIOPs this quarter with Perry Nuclear Power Plant the week of April 23rd.
- Participated in the Beaver Valley Evaluated Exercise.
- Lab did collect and evaluate 215 environmental samples on power plants at or near minimum detectable activity.
- ODH-BEHRP cleared their last planning issue stemming from the KI Directive from Beaver Valley Power Station 2016 exercise just before the 2018 evaluated exercise.
- ODH participated in the FMT/Sampling Drill on May 8, 2018 at Ohio Department of Agriculture Campus.
- Along with Ohio EMA participated in the NEPAC meeting on April 26, 2018.
- Attended Nuclear Power Plant Emergency Planning (NPPEP) and Nuclear Power Intermediate Planning (NPPIP) meetings at OEMA.
- To maintain proficiency with TurboFRMAC software, problem sets are distributed quarterly to individuals who have completed the Assessment Scientist 100 course provided by FRMAC. The second quarter assignment is due June 29, 2018.
- Participated in the RadResponder Webinar on April 24 and 25, 2018.
- Participated in FEMA pre and post exercise briefings.

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4. Ohio EMA – Chris Salz

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

- Began Ohio EMA/OSU Collaboration project to find more space and a collaborative space adjacent to the lab.
- Hosted AS 100, TurboFRMAC Course.
- Survey Monkey and planning for 50 mile county Ingestion Training.
- Acted as trainers and controllers for West Virginia REP evaluated exercises.
- New Administrator for Radiological Branch – Holly Welch formerly EMA lawyer.
- Began process of lab security upgrades through PNNL and ORS.
- Attended NREP conference in Seattle, WA.
- Led NEPAC quarterly meeting.
- Conducted REP plan reviews at the county level.
- Attended National Transportation Stakeholders Forum.
- Led Executive communications meeting with Columbiana County post dry run.
- Attended Sample Team training at Ag.
- Attended NEO MMRS Conference.
- Attended RAAC course update at ODH.
- Continued PNPP Full scale exercise planning process.
- Participated in DBNPS Integrated Drill.
- Attended Federal Outreach Meeting in Minnesota for IPX.
- FEMA SAV with Tri County area Plan review.
- Conducted Executive Room Roles training
- Participated in PNPP integrated drill.
- Participated in BVPS evaluated partial participation exercise 17 criterion demonstrated with no deficiencies.

Mr. Salz extended a special thank you to The Ohio State University for their cooperation in allowing Ms. Rochelle Batdorf to participate in the Beaver Valley exercise as the Executive Room Liaison. He also thanked the PUCO for Dan Fisher's participation in the Executive Room.

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5. Environmental Protection Agency – Bill Lohner

Mr. Lohner's quarterly report was included in the meeting packets provided to each board member and visitor, and is available by contacting the URSB Secretary at 614-799-7150.

- On April 26, 2018 Bill Lohner attended the NEPAC meeting.
- On May 7, 2018, Ohio EPA Radiation Assessment Team (RAT) met at Ohio EPA's Groveport Field Office and reorganized the team structure to be consistent with the Incident Command Structure (ICS) and identified personnel needs. The training included equipment inventory and familiarization, an overview of the sample assignment process, a review/update of the SOPs, and RadResponder familiarization.
- On May 10, 2018, Ohio EPA (Bill Lohner) participated in the Radiological Accident Assessment Course (RAAC) Workshop presented by FEMA at ODH in Columbus. The workshop presented information on the incorporation of the new USEPA PAGs.
- On June 12, 2018, Ohio EPA filled the Field Team Communicator (FTC) position in Dose Assessment at the State EOC and County Liaison/Dose Assessment at the Columbiana County EOC during the Beaver Valley Dry Run Exercise.
- Participated in both Dry Run and Evaluated Exercise After Action Meetings.
- On June 18, 2018 the Ohio EPA RAT Steering Committee met and outlined strategic goals for the RAT that include position assignments, training requirements, recruitment of new RAT members, updating of RAT procedures, and the introduction of the grant coordinator.
- On June 28, 2018, Ohio EPA (Melanie Barbis, Ed Link, and Bill Lohner) participated in the RadResponder Workshop presented by ODH-BEHRP. The Ohio EPA team will use the information from the workshop to train the Radiological Assistance Team (RAT).
- Representatives from Ohio EPA (Bill Lohner, Jodi Billman-Kotsko and/or Jim Mehl) attended monthly IREP committee meetings on April 4, 2018, May 2, 2018, and June 6, 2018. The IREP committee had two meetings on each day; Nuclear Power Plant Emergency Planning (NPPEP) and Ingestion Zone Recovery and Reentry Advisory Group (IZRRAG). Various portions of the REP plans and procedures were discussed at these meetings.
- Ohio EPA has revised and updated the Field Team Communicator (FTC) procedure. The revisions and updates incorporate new technologies and streamlined procedure checklists. The new procedure was used during the BVPS Exercise.
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6. Department of Commerce – John Sharier

- Nothing significant to report.

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B. Other New Business

Mr. Elder requested a motion to form a URSB Task Group to produce the annual report of the URSB, coordinated by the URSB Secretary and asking each agency to identify a representative for the group.

Ms. Gerhardt made the motion, Mr. Glasgow seconded the motion. A vote was taken, all approved, none opposed.

C. Nuclear Regulatory Commission (NRC): Mr. Allan Barker

Mr. Barker reported on the first quarter integrated inspection reports for each of the plants.

Davis Besse: On April 30, 2018, the first quarter integrated inspection report for Davis-Besse was issued. Based on the results of the inspection, there were no NRC findings identified.

The NRC has determined a white finding significance for the incident related to a pump failure due to low oil level. Specifically, Davis-Besse failed to provide appropriate instructions to maintain an adequate amount of oil in an auxiliary feed water turbine bearing oil sumps, resulting in the failure of the auxiliary feed water pump. Davis-Besse is in the Regulatory Response column of the Reactor Oversight Process Action Matrix.

Perry Nuclear Power Plant: On May 9, 2018, the first quarter integrated inspection report for Perry was issued. Based on the results of this inspection, the NRC has identified one issue that was evaluated under the traditional enforcement process. The NRC determined that the issue was a NRC-identified Severity Level IV violation. The NRC is treating this violation as a non-cited violation (NCV) consistent with Section 2.3.2 of the Enforcement Policy. The NCV is summarized as follows.

The inspectors identified a Severity Level IV NCV of 10 CFR 50.73, "Licensee Event Report System," for Perry's failure to report a condition that was prohibited by the plant's Technical Specifications to the NRC within 60 days. Specifically, Perry did not report a condition that, as determined by the NRC, rendered the Division 2 Diesel Generator (DG) inoperable for a period longer than the Technical Specification allowed completion times of its associated required actions. In a letter dated August 24, 2017, the NRC provided the final significance determination of the preliminary White finding discussed in NRC IR 05000440/2017009, dated June 5, 2017. The August 24 letter and its enclosures document the NRC's position that a performance deficiency associated with a diode installation on the Division 2 DG emergency start circuit rendered the DG inoperable from April 2, 2015 until November 8, 2016. No LER was submitted until March, 2018.

Beaver Valley: On May 2, 2018, the first quarter integrated inspection report for Beaver Valley Units 1 and 2 was issued. Based on the results of this inspection, there was one self-revealed finding of very low safety significance (Green) identified. The finding is summarized as follows.

A self-revealed Green finding was identified when the licensee failed to adequately implement procedure NOP-WM-1001, "Order Planning Process." Specifically, FENOC personnel that made

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a change to work order testing requirements did not receive concurrence from a Unit 1 Senior Reactor Operator nor did they ensure that the original scope and/or intent of the test was met. On November 7, 2017, with the plant operating at full power, Unit 1 experienced an automatic turbine trip and coincident reactor trip initiated by a main unit generator fault protection trip. In response to the Unit 1 reactor trip, FENOC performed a root cause evaluation and identified that the direct technical cause was foreign material within the isolated phase bus ducts, which caused an electrical fault that led to the generator protection trip and subsequent turbine trip and reactor trip. In October 2013, the licensee completed a modification to the ducts of the main unit generator that included replacing large portions of the ducts and adding belt guards to the fan belts to prevent further belt failures from introducing foreign material into the ducts. A post work task for this modification was to include complete visual inspections, testing, and cleaning of the iso-phase bus ducts. Based on the completed modification work orders from 2013, the crew did not perform the intended borescope inspection and marked the steps for insulator inspection as not applicable.

D. Federal Emergency Management Agency (FEMA) – Mr. Carl Bebrich

- FEMA Region V REP staff are in the process of finishing the draft After Action Report/Improvement Plan (AAR/IP) from the Beaver Valley Evaluated Exercise but did state it was a clean exercise for the state of Ohio. FEMA V is currently trying to integrate the core competencies of HSEEP into the report, which is a change from past reports.
- FEMA Region V REP staff are coordinating comments from the REP Plan Review Site Assistance Visit (SAV) with Lucas and Ottawa Counties and finalizing that report.
- FEMA Region V REP are working on getting a recovery workshop scheduled in Ohio.
- REP staff members are preparing for an MS-1 evaluation in the Davis Besse EPZ, and a new facility inspection of the Customs and Border Patrol facility in Port Clinton, Ohio as an alternate EOC for Ottawa County.
- The Radiological Emergency Preparedness Program Manual is currently undergoing a re-write and is expected to be released in late 2018, early 2019. Exact timing is dependent on the approval of NUREG REP1, Rev 2.
- The Regional Assessment Alignment Framework is looking to produce a 2 year calendar listing all activities.

Mr. Salz started a discussion of this due to the difficulties in scheduling anything with county involvement 2 years out due to their primary responsibility to provide emergency management for all hazards in their jurisdiction. It is an unreasonable expectation for hospitals, ambulance companies, and school bus providers to make such time distant commitments.

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E. FENOC:

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

Beaver Valley Power Station

2018 Evaluated Exercise Results

The 2018 Beaver Valley Emergency Preparedness Evaluated Exercise was a successful demonstration of the capability of the utility, states and counties to implement their emergency plans. The NRC identified no findings and determined that Beaver Valley Power Station successfully demonstrated the ability of the emergency plan to protect the health and safety of the public. Some of the highlights include:

- FEMA identified no issues for the State of Ohio
- FEMA identified one planning issue for Pennsylvania which was resolved and closed
- FEMA identified one level 2 issue for Pennsylvania that was re-demonstrated and closed
- FEMA identified one planning issue for West Virginia that is anticipated to be closed prior to the final report
- The NRC noted that the scenario was challenging (no GE with a release)

Unit 1 Power Reduction

On Thursday, June 28th, rapidly increasing sodium levels were detected in the Unit 1 steam generators, indicating a possible condenser tube leak. The operations crew safely reduced power to 47% per plant procedures and chemistry guidelines to allow a systematic search for the leak to begin. The Outage Control Center was staffed, and plant personnel worked throughout the weekend. It was identified that one tube in the top of the "C" water box was leaking, however many tubes near the leaking tube were plugged to ensure no other leaks impacted plant operations. On Monday, conditions were met to allow power ascension and the crew began increasing power to 100% by the morning of Tuesday, July 3.

The next Beaver Valley integrated drill is scheduled for August 30.

Davis-Besse Nuclear Power Station

Unannounced ERO Augmentation Drill

Davis-Besse conducted an unannounced Emergency Response Organization (ERO) augmentation call-in drill conducted on Tuesday, June 12, 2018 @ 0437 hours. All positions required by Table 5-1 of the Emergency Plan met their required response times. Additionally, all 33 on-call duty individuals responded as expected, and every ERO position was filled within 5 minutes. A total of 326 out of 328 ERO members responded to CANS during this drill. The two individuals who did not respond were on vacation and are considered excused. This response by

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our ERO demonstrates our personal commitment to the health and safety of our plant and the public.

NRC Biennial Baseline EP Inspection

On 4/13/18 the NRC completed an exit meeting to discuss the NRC EP Biennial baseline inspection at Davis-Besse. The objective of the inspection is to assess the effectiveness of Davis-Besse's testing and maintenance of the Alert and Notification System, adequacy of the Emergency Response Organization on-shift and augmentation staff levels, overall maintenance of emergency preparedness and performance indicator data verification. There were no findings, issues or unresolved items noted.

Positive Observations

- Negative trends are monitored and tracked well through the Emergency Response Integrated Performance Assessment & Trending (IPAT) report and this tracking tool was identified as a good practice.
- Review of condition reports represented Operation's sensitivity to Equipment Important to Emergency Response.
- Good inspection team support and timely responses to all requests.

The next Davis-Besse integrated drill is scheduled for September 25.

Perry Nuclear Power Plant

2018 Evaluated Exercise Preparations

Preparations continue for the Perry Evaluated Exercise. The scenario is nearly complete, and a validation run in the simulator with a full operations crew was conducted on June 29, 2018. The scenario development team will be focusing their efforts on the Dry Run, which will be validated in the simulator early in July and provided to the state and counties for review.

The next Perry integrated drill is scheduled for August 15.

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 2:17 PM.