

UTILITY RADIOLOGICAL SAFETY BOARD  
MEETING NOTES  
October 15, 2019

Holly Welch, URSB Designee for the Ohio Emergency Management Agency called the Utility Radiological Safety Board (URSB) Statutory Board meeting to order at 1:33 PM on October 15, 2019 that 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)	HOLLY WELCH – Present
DEPARTMENT OF HEALTH (ODH)	STEVE HELMER – Present
ENVIRONMENTAL PROTECTION AGENCY (OEPA)	JIM SFERRA - Present
DEPARTMENT OF AGRICULTURE (ODA)	TERRI GERHARDT - Present
PUBLIC UTILITIES COMMISSION (PUCO)	RANDALL SCHUMACHER - Present
DEPARTMENT OF COMMERCE (ODOC)	JOHN SHARIER- Present

A quorum was declared.

***Other Notable Attendees:***

Mr. Sean Zalesny, First Energy Nuclear Operating Company (FENOC)  
Mr. Allan Barker, Nuclear Regulatory Commission (NRC)  
Mr. Ed Golinski, Federal Emergency Management Agency (FEMA)  
Ms. Pamela Hintz, Ohio Department of Health (ODH)  
Mr. William Lohner, Ohio Environmental Protection Agency (OEPA)

**II. READING OF THE APRIL 8, 2019 MINUTES**

Ms. Welch provided a few minutes for the board to review the April 8, 2019 minutes. There was one correction requested by the Department of Commerce. Ms. Welch asked for a motion to approve the April 8 minutes as corrected. Mr. Sferra made a motion to accept the minutes and Ms. Gerhardt seconded the motion. A vote was called, all in favor, none opposed, the motion passed.

**III. REVIEW OF THE JULY 8, 2019 NOTES.**

Ms. Welch requested that the board review the notes from the unofficial meeting on July 8, 2019, stating that there would not be a vote on the notes, nor would they be published to the URSB website. There were no requests for corrections.

**IV. OLD BUSINESS**

**A. Report on KI extension and replacement.**

Ms. Pamela Hintz reported that ODH has contracted for testing the expiring Potassium Iodide (KI) for both lots (emergency worker and public) in order to obtain a shelf-life extension. There were questions regarding the length of the extension letter and it was stated that the duration of any extension is dependent on the results of the testing. There was a question on when the test results would be back. Ms. Hintz replied that results were expected around fifteen working days after the lab receives it. Ohio EMA expressed their desire for a two-year extension if testing supported it.

In addition to the testing and possible extension, replacement KI has been ordered from the NRC, who has stated they will be able to support a single batch for both the emergency workers and the public. The expected delivery date of the new KI is December 2019.

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**B. Approval of the URSB Annual Report for state fiscal year 2019.**

Ms. Welch provided the board a few minutes to review the draft of the URSB Annual Report for SFY 2019 in their packets and asked if there were any changes or corrections. No corrections requested. Ms. Welch then asked for a motion to accept the report as written and to distribute it to the Governor, Speaker of the House and President of the Senate as prescribed in the Ohio Revised Code. Ms. Gerhardt made the motion, seconded by Mr. Schumacher. A vote taken indicated all were in favor, none opposed, the motion passed.

**IV. NEW BUSINESS**

**A. Member Agency Quarterly Reports**

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

- The Ohio Department of Agriculture attended the NPPEP and NEPAC meetings, and Technology working group meetings.
- They also participated in the September Grid Survey training, which was held on the Ohio Department of Agriculture Campus.

**2. Public Utilities Commission – Randall Schumacher**

- Staff Attended the Ninth International Symposium on Naturally Occurring Radioactive Materials hosted by the Conference of Radiation Control Program Directors (CRCPD) and the International Atomic Energy Agency (IAEA)

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

- 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 completed two observations as part of the Joint Inspection Observation Program (JIOP) this quarter. July 22-26, 2019 at the Perry Nuclear Power Plant, and August 19-22, 2019 at Davis-Besse Nuclear Power Station.
  - Lab did collect and evaluate 230 environmental samples on power plants. All samples were at or near minimum detectable activity.
  - Attended Nuclear Power Plant Emergency Planning (NPPEP) meetings at OEMA.
  - Attended Nuclear Planning and Advisory Committee (NEPAC) meeting on July 25, 2019.
  - To maintain proficiency with TurboFRMAC software, problem sets continue to be distributed quarterly to individuals who have completed the Assessment Scientist 100 course provided by FRMAC.
  - Potassium Iodide (KI), which for Emergency Workers expires in December 2019, and General Public that expires in 2020 was discussed and is recorded separately in these minutes.
  - ODH attended URI-RASCAL training sessions conducted by FENOC on September 4 and September 25, 2019. State Dose Assessment procedures utilizing URI are in draft form. URI has been approved and is in use for PNPP and BVPS, Davis-Besse is scheduled to adopt in November 2019.
  - ODH participated in the Semi-Annual FRMAC Conference Call on July 24, 2019.
  - ODH attended the Beaver Valley Offsite Agency Training Session on July 31, 2019.

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- ODH attended Medical Management of CBRNE Events (PER-211) training conducted by Texas A&M Engineering Extension Service August 8-9, 2019 at Franklin County EMA.
- Mr. Helmer also reported that ODH submitted paperwork to the Department of Energy applying for RadResponder Ready Certification for the state of Ohio's program. ODH, OEMA and ODA have received approval on their sections; ODNR and OEPA are close to their approvals.

**4. Ohio EMA – Chris Salz**

Mr. Salz talking points were included in the meeting packets provided to each board member and visitor. He reviewed a few of them with the board; the complete list can be obtained from the URSB Secretary at 614-889-7150.

- Davis-Besse Plume and Ingestion Evaluated exercise after action report.
- Preparations and controller participation for out-of-sequence Davis-Besse RRR evaluated exercise and BVPS MS-1 Exercises.
- Planning for BVPS 2020 Evaluated Exercise.
- Continued work on 2020 Ohio REP Plan and 2019 Annual Letter of Certification.
- Work on updating Ohio EMA online REP training.
- Working with ODH on extension of KI.
- Calibration checks on multiple portal monitors.
- Preparation of radiological portion on Vigilant Guard 2019 (VG-19) exercise. Branch personnel also participated in the exercise in various roles in the SEOC.
- Resident Analysts represented Ohio EMA at the NRC Open House Meetings for Davis-Besse Nuclear Power Station and Perry Nuclear Power Plant.
- Review of 2019 Emergency Public Information brochure for 2020 updates.
- Radiological Instrumentation Maintenance and Calibration Lab continued calibration for Ohio REP plan and other government clients.
- Participated in the Ludlum 3001 workshop with other agencies.
- Quarterly NEPAC meeting and monthly NPPEP meetings.
- Worked with partner agencies on ESF10 EOP Tab development.
- Attended 2019 Offsite Agency Training Session at BVPS.
- Worked with Beaver County PA, Hancock County WV, and RIMC Lab to complete equipment exchanges for Beaver County PA, WV, and Columbiana County Ohio.
- Worked with Lake County General Health District (LCGHD) FMT Coordinator on incorporating RadResponder and demonstration of Ludlum 3001.
- Continued training of county ORO and SEOC responders for REP.
- Conducted two sessions of LCGHD FMT training. Planning a joint training session with OEMA FMT during October.
- John Woycitzky hired to fill vacant Resident Radiological Analyst position for DBNPS.
- Participated in BVPS, DBNPS and PNPP Integrated Drills.
- Worked on updating FMT procedures to incorporate RadResponder and the Ludlum 3001 meters.
- Participated in URI Training and installed URI on dose assessment computers.
- Chris Salz attended NRC State Liaison Officer Conference in Rockville, MD.
- Steve Bertonaschi attended the Radiological Disaster Initiated Review (DIR) course in Philadelphia.
- Completed RadResponder Ready application for Ohio EMA.

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- In addition to the EMA report, Mr. Salz reminded all members and designees that financial disclosure statements are required by the Ohio Ethics Commission within 90 days of designation to avoid fines, which are chargeable to the individual agency. Anyone with questions should contact him as he coordinates the reporting for the URSB.
- Ms. Welch also spoke about the history of Ohio EMA, the State EOC, and the URSB as they relate to the upcoming 25<sup>th</sup> anniversary celebration for the SEOC building.

**5. Environmental Protection Agency – Jim Sferra and William Lohner**

Ohio EPA'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 614-889-7150.

- On July 24, 2019, Ohio EPA attended a RadResponder Workshop for the Radiological Assessment Team (RAT) at Ohio Department of Agriculture Columbus, Ohio.
- Ohio EPA participated in the Vigilant Guard Exercise at the National Center for Medical Readiness at Calamityville, 506 E Xenia Drive, Fairborn, OH 45324, August 06 – 07, 2019.
- Ohio EPA participated in the Monthly Radiological Technology Working Group Skype meetings on August 21, 2019.
- Ohio EPA participated in the URSB quarterly meeting at Ohio EMA on July 8, 2019.
- Ohio EPA participated in the URI RASCAL training September 03, 2019 and September 25, 2019.
- Ohio EPA participated in Beaver Valley Nuclear Power Station Integrated Drill on September 12, 2019.
- Ohio EPA participated in the NEPAC meetings at FENOC, Akron Campus, on July 25, 2019.
- Ohio EPA participated in the NPPEP planning meeting at Ohio EMA on July 10 and September 11, 2019.
- Ohio EPA participated in the grid survey planning meetings at Ohio EMA on July 10 and September 11, 2019. •
- Ohio EPA reviewed the 2019 REP and has submitted comments for inclusion in the 2020 REP. The comments are in internal review at Ohio EPA.
- Training – Ohio EPA continues reviewing the training requirements for RAT members. The goal of the training requirements is to ensure that all RAT members are receiving appropriate training and are ready to deploy.

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

- Nothing significant to report.

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**B. Nuclear Regulatory Commission (NRC): Mr. Allan Barker**

Mr. Barker reported on the second quarter integrated inspection reports issued in July or August for each of the plants.

**Davis Besse:** On August 1, 2019, the second quarter integrated inspection report for Davis-Besse was issued. Based on the results of the inspection, there was one finding of very low safety significance (Green) identified which is summarized as follows.

- On April 9, 2019, the licensee was performing a surveillance test on the Containment Vessel Normal Range Radiation Monitor for the train 2 safety-related containment atmosphere radiation element. During the test, the control room received unexpected annunciator “RAD MON SYSTEM TRBLE CH 1” for the opposite containment atmosphere radiation element train. Upon receiving the alarm, the licensee declared the train 1 Containment Atmosphere Radiation Element inoperable. The train 2 element was previously declared inoperable for testing, so the licensee entered Technical Specification 3.4.15, “Reactor Coolant System Leakage Detection Instrumentation,” condition B. The licensee subsequently restored the train 1 radiation element to operable status. Upon investigation, the licensee determined the operator in the field had been given the wrong surveillance procedure by a senior reactor operator, that is, they were given a section that applies to train 1 rather than train 2.

On September 9, 2019, the problem identification and resolution inspection report for Davis-Besse was issued. The NRC inspection team reviewed the station’s corrective action program and the station’s implementation of the program to evaluate its effectiveness in identifying, prioritizing, evaluating, and correcting problems, and to confirm that the station was complying with NRC regulations and licensee standards for corrective action programs. Based on the samples reviewed, the team determined that your staff’s performance in each of these areas adequately supported nuclear safety. The team also evaluated the station’s processes for use of industry and NRC operating experience information and the effectiveness of the station’s audits and self-assessments. Based on the samples reviewed, the team determined that your staff’s performance in each of these areas adequately supported nuclear safety. The team also reviewed the station’s programs to establish and maintain a safety-conscious work environment and interviewed station personnel to evaluate the effectiveness of these programs. Based on the team’s observations and the results of these interviews the team found no evidence of challenges to your organization’s safety-conscious work environment. There was one finding of very low safety significance (Green) identified which is summarized as follows.

- The failure to assure the design basis loads for safety related block wall 5337 were incorporated in a design/assessment of the as built configuration of the wall. Specifically, the licensee determined the applicable design basis loads including seismic, HELB, and Tornado in the calculation for a modified but uninstalled configuration of the wall but failed to perform an evaluation to demonstrate adequacy of the current as built configuration of the same wall.

On August 28, 2019, an updated inspection plan for Davis-Besse was issued. The inspection plan lists inspections scheduled through June 30, 2021. To highlight as examples, the NRC will conduct a Design Basis Assurance Inspection during the period of October 13 through November 9, 2019 and during the period of March 23 through March 27, 2020, an Evaluation of Changes, Tests, and Experiments Inspection.

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**Perry Nuclear Power Plant:** On July 26, 2019, the second quarter integrated inspection report for Perry was issued. Based on the results of the inspection, there were no findings or violations identified more than minor significance.

On August 28, 2019, an updated inspection plan for Perry was issued. The inspection plan lists inspections scheduled through June 30, 2021. To highlight as examples, the NRC will conduct a Biennial Problem Identification and Resolution Inspection during the period of November 4 through November 22, 2019, and during the period of April 20 through May 8, 2020, a Design Basis Assurance Inspection.

**Beaver Valley:** On August 8, 2019, the second quarter integrated inspection report for Beaver Valley Units 1 and 2 was issued. Based on the results of the inspection, there were no findings or violations identified more than minor significance.

On August 28, 2019, an updated inspection plan for Beaver Valley Units 1 and 2 was issued. The inspection plan lists inspections scheduled through June 30, 2021. To highlight as examples, the NRC will conduct an Open Phase Condition Design Vulnerabilities in Electric Power Systems Inspection during the period of January 27 through January 31, 2020, and during the period of April 20 through May 1, 2020, a Unit 2 In-service Inspection.

**C. Federal Emergency Management Agency (FEMA) – Mr. Ed Golinski**

- The Training Exercise Planning Workshop (TEPW) is scheduled at the region V offices November 6-8, 2019. FEMA HQ is scheduled to have discussions on the new REP manual and NUREG 0654-Rev2 at the meeting.
- State and Local plan reviews have been completed and FEMA is conducting Site Assistance Visits (SAV) to discuss with each EPZ and the State.
- There will be a FEMA GIS expert coming to Ohio EMA later this week to conduct training on the HSIN GII Portal.
- The Region V REP Hostile Action Based expert has announced he will be changing positions within FEMA. The search for a replacement is underway.
- FEMA will be evaluating in the Davis-Besse area next week, the RRR exercise and an MS-1 exercise. They will also be observing a reception center demonstration.

**D. 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**

**2019 Unit 1 Refueling Outage**

Sunday October 13, Beaver Valley began the 26<sup>th</sup> refueling outage for the Unit 1 reactor. Planned activities include refueling, reactor vessel head and steam generator inspections, as well as numerous pump, motor and valve repairs and replacements to ensure the unit runs safely and reliably during the next refueling cycle.

**Beaver Valley has an integrated drill scheduled for November 21, 2019.**

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**Davis-Besse Nuclear Power Station**

**Upcoming Events and Significant Events**

On September 7 at approximately 1309, the Davis-Besse plant experienced a reactor trip during main turbine stop valve testing. The outage control center was staffed and troubleshooting plans were formed. Troubleshooting was conducted and replacement of the main turbine stop valve #4 fast acting solenoid valve was necessary. The valve was replaced and retest were conducted, as well as other minor repairs identified during the outage.

On September 9, Davis-Besse commenced the reactor startup with reactor reaching criticality at 2323. The main generator was synchronized to the grid on September 10 at 1442 and returned power to 100% on September 11, 2019.

**The next Davis-Besse integrated drill is scheduled for October 15, 2019.**

**Perry Nuclear Power Plant**

At 1929 on July 27, 2019 the unit tripped from 98% power due to a main turbine trip. All systems responded normally with reactor core isolation cooling initiated to control pressure and temperature following main steam isolation valve closure. Operations responded as required to stabilize the plant. The outage control center was staffed to commence troubleshooting. The turbine tripped during a weekly over speed test when depressing the over speed test push button.

On Tuesday August 6, following replacement of a pressure switch associated with the turbine trip circuitry and successful testing, Operators synchronized the main generator to the grid at 0108 and resumed power ascension.

Perry continues to operate safely and reliably at full power, and has completed their quarterly series of emergency response tabletop drills for all of their ERO teams.

**The next Perry integrated drill is scheduled for November 12, 2019.**

**Fleet**

**URI RASCAL**

The change to utilize URI RASCAL as the plant's dose assessment program continues to move forward. Perry and Beaver Valley have switched to URI, Davis Besse is scheduled to on October 28, 2019.

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**V. MISCELLANEOUS**

**A. URSB Meeting dates for 2020**

URSB Meeting Dates for calendar year 2020: January 13, April 13, July 13, and October 13.

**B. Questions from the Public**

There were no questions from the public.

**VI. ADJOURNMENT**

Ms. Welch asked if there was any further discussion on any of the topics covered, and hearing none requested a motion to adjourn. Ms. Gerhardt made a motion and a vote was taken, all were in favor, none opposed and the meeting was adjourned at 2:25 PM.