Pasquale Razzano, URSB Secretary started the Virtual Public Meeting by introducing himself and the meeting. Chris Salz, URSB Designee for the Ohio Emergency Management Agency called the Utility Radiological Safety Board (URSB) Statutory Board meeting to order at 1:30 PM on October 12, 2021. The meeting was conducted at the Ohio Emergency Management Agency located at 2855 West Dublin-Granville Road, Columbus, Ohio 43235, and available to the public and non-designees utilizing Microsoft TEAMS. The public invitation to join the meeting was posted on the URSB website and in a press release.

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

I. ROLL CALL (Board Members)
   EMERGENCY MANAGEMENT AGENCY (Ohio EMA)  CHRIS SALZ – Present
   DEPARTMENT OF HEALTH (ODH)  REBECCA FUGITT – Present
   ENVIRONMENTAL PROTECTION AGENCY (OEPA)  JIM SFERRA - Present
   DEPARTMENT OF AGRICULTURE (ODA)  TERRI GERHARDT – Not Present
   PUBLIC UTILITIES COMMISSION (PUCO)  JOHN WILLIAMS - Present
   DEPARTMENT OF COMMERCE (ODOC)  JOHN SHARIER- Present

   A quorum was declared.

   Other Notable Attendees:
   Mr. Sean Zalesny, Energy Harbor Nuclear (EHN)
   Mr. Dale Vitale, Attorney General’s Office (AGO)
   Mr. Allan Barker, Nuclear Regulatory Commission (NRC) – Virtual
   Mr. Sean O’Leary, Federal Emergency Management Agency (FEMA) – Virtual

II. APPROVAL OF THE July, 2021 MINUTES
   Mr. Salz provided a few minutes for the board to review the July 12, 2021 minutes. There were no corrections requested. Mr. Salz asked for a motion to approve the July 12, 2021 minutes as written. Ms. Gerhardt made a motion to accept the minutes and Mr. Sferra seconded the motion. A vote was called, all in favor, none opposed, the motion passed.

III. OLD BUSINESS

   A. Approval of the URSB SFY21 Annual Report
      Mr. Salz provided a few minutes for the board to review URSB Annual Report. There were no corrections requested. Mr. Salz asked for a motion to approve the URSB Annual Report as written. Ms. Gerhardt made a motion to accept the minutes and Mr. Sferra seconded the motion. A vote was called, all in favor, none opposed, the motion passed.

   B. Davis-Besse Nuclear Power Station Field Monitoring/Sample Screening Wrap-up
      Mr. Salz Held an open discussion.
IV. NEW BUSINESS

A. KI Extension
Mr. Chris Salz asked ODH to provide an update on KI.

B. Ingestion Week
Mr. Salz held an open discussion.

C. Member Agency Quarterly Reports
Mr. Salz asked each designee to present their quarterly reports. All member agency reports were distributed prior to the meeting and are available on the URSB MS Teams page.

1. Ohio Department of Agriculture – Terri Gerhardt
   • Nothing significant to report.

2. Public Utilities Commission – John Williams
   • Submitted RadResponder Ready application to meet new DOE standards
   • Two PUCO staff attended and successfully passed Level VI Instructor Certification course.

3. Ohio Department of Health – Rebecca Fugitt

   Joint Inspection Observation Program (JIOP)
   • The Ohio Department of Health (ODH) participated in one JIOP during the third quarter.

<table>
<thead>
<tr>
<th>Plant</th>
<th>Inspection Title</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Davis-Besse</td>
<td>Radiological Environmental Monitoring Program (REMP)</td>
<td>July 12 – 16, 2021</td>
</tr>
</tbody>
</table>
Radiological Environmental Monitoring Activities

- Currently, a total of 228 environmental samples have been collected during the 1st quarter of SFY 2022, specifically: 92 air particulate, 92 carbon cartridges, 30 water samples, 6 cabbage samples, 2 swiss chard samples, 2 kale samples, 2 turnip green samples, and 2 collard green samples. The ODH Lab analyses shows samples were near or below the Lower Limit of Detection (LLD) to date.
- The environmental monitoring inventory needs of each contractor continued to be met by providing the supplies necessary for the continued collection of samples. This quarter the following inventory was provided:

<table>
<thead>
<tr>
<th>Ottawa County Health Department</th>
<th>100 air filters, 30 charcoal cartridges, 100 sample submission forms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake County Health District</td>
<td>30 charcoal cartridges, 24 cubitainers</td>
</tr>
<tr>
<td>East Liverpool</td>
<td>24 cubitainers, 30 charcoal cartridges, 100 sample submission forms, 100 air filters</td>
</tr>
<tr>
<td>City of Cleveland, Division of Air Quality</td>
<td>None</td>
</tr>
<tr>
<td>ODH Laboratory</td>
<td>None</td>
</tr>
</tbody>
</table>

Nuclear Power Plant Emergency Planning

- ODH attended the virtual state agency nuclear power plant emergency planning meetings on July 7, 2021, August 11, 2021 and September 1, 2021 using Microsoft TEAMS.
- The following integrated plant practice drills were conducted and staffed by ODH Dose Assessment personnel as indicated below:

<table>
<thead>
<tr>
<th>Date</th>
<th>Plant</th>
<th>Participation</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 1, 2021</td>
<td>Beaver Valley Power Station</td>
<td>Yes</td>
<td>Virtual for Dose Assessment</td>
</tr>
<tr>
<td>August 5, 2021</td>
<td>Beaver Valley Power Station</td>
<td>Yes</td>
<td>Virtual for Dose Assessment</td>
</tr>
</tbody>
</table>
• ODH also participated in both the Field Monitoring Team/Sample Screening dry run on August 31, 2021 and the evaluated exercise on September 28, 2021. These activities were originally postponed from the Davis-Besse Nuclear Power Station exercise conducted earlier in the year (May) so that the evaluation process could be held in-person. Due to increased COVID case counts in Ohio, modifications were made to the format with FEMA to ensure the safety of our personnel. The preliminary results are positive.

• ODH observed three modified medical services drills in September. The first drill was for Salem Regional Hospital on September 21, 2021. Then second drill was virtual for Lake West Medical Center on September 29, 2021. The third drill was virtual for Tri Pointe Medical Center on September 30, 2021.

• An ingestion drill is planned for the first week in October to include mini drills to cover all response activities and will conclude with a final discussion in the November monthly power plant meeting.

• Initial planning for the 2022 Beaver Valley Power Station has begun with the exercise objectives meeting held virtually August 25, 2021.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Date</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beaver Valley Dry Run</td>
<td>May 12, 2022</td>
<td>4 – 9:30 pm</td>
</tr>
<tr>
<td>Beaver Valley Evaluated Exercise</td>
<td>June 7, 2022</td>
<td>4 – 9:30 pm</td>
</tr>
<tr>
<td>Virtual Player Debrief</td>
<td>June 10, 2022</td>
<td>10am</td>
</tr>
</tbody>
</table>

**Nuclear Emergency Planning and Advisory Committee**

• A virtual meeting of the Nuclear Emergency Planning and Advisory Committee (NEPAC) was held on July 15, 2021 in which ODH participated. The purpose of NEPAC is to provide a quarterly meeting in which the 10-mile planning zone counties, the state, and the nuclear power plant company come together to discuss topics of interest. The discussion focused around the 2019 REP Program Manual and Hostile Action Based (HAB) exercises as the new 8-year planning cycle is starting in 2022. The next meeting will be virtual as well and is currently scheduled for November 12, 2021.

**Potassium Iodide (KI)**

• General public KI delivery has been completed to all local health departments/districts within the 10-mile emergency planning zones. Emergency worker KI has been distributed to the Ohio EMA county staff member for the respective power plant. On September 28, 2021 the ODH signed another KI extension letter to cover the emergency worker packets that could not be changed out during COVID and will take place the first quarter of 2022.
RadResponder
• The RadResponder CONOPS plan was initiated as an ODH document to detail how to manage, collect, and analyze data for a radiological incident. Due to adoption and use of RadResponder by other state agencies with radiation response capabilities, it has been revised to become a state CONOPS plan and include these agencies. The revised RadResponder CONOPS plan is being formatted to be an attachment to the Ohio REP plan to include signatures from each the state agency who is responsible for implementing the response actions in this document.
• RadResponder refresher training was offered to IZRRAG members, sample team leaders, and sampling teams on September 14, 2021 at the Ohio Department of Agriculture Campus in

Federal Radiological Monitoring and Assessment Center (FRMAC)
• 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 third quarter assignment started as a webinar on July 22, 2021 showing the new functionality of the new 2021 TurboFRMAC software and was followed by a problem set that was due September 3, 2021.

Additional Activities
• ODH participated in the URSB Statutory Meeting on July 12, 2021.
• ODH participated in the FRMAC Semi-annual Conference Call on August 4, 2021.
• ODH attended the virtual Beaver Valley Offsite Agency Training Session (OATS) on August 26, 2021.
• ODH Lab participated in the Food Emergency Response Network (FERN) Food Triage Exercise for Rapid Screening of Radionuclides in Food by Gamma-Ray Spectrometry on August 26, 2021.

4. Ohio EMA – Chris Salz
• Completed the Potassium Iodide (KI) breakdown and stuffing party during the week when there was time. This is emergency worker KI for the PNPP 10 mile EPZ.
• Participated in the BVPS Integrated drill held on 7/1/2021.
• Meeting with EMA Watch and ODH Leadership to discuss notifications, actions and responsibilities in the event of an incident stemming from the Portsmouth Uranium Enrichment Facility.
• Participated in monthly NPPEP meetings.
• Participated in meeting with the Office of Radiological Security (ORS), part of the National Nuclear Security Administration (NNSA) and the Department of Energy (DOE).
• Attended the National Transportation Stakeholders Forum (NTSF) Webinar.
• Participated in the July 12, 2021 URSB Quarterly Meeting.
• Attended in-person Tri-County Meeting on July 20, 2021 at the Lake County Emergency Management Agency.
• Developing new to-do spreadsheet to track HAB; Public Information Officer (PIO); REP Plan.
• Attended Sandia National Lab FRMAC quarterly meeting.
• Held an Ingestion event-planning meeting with ESF-6 lead planner Josh Vittie and Radiological Branch staff to discuss new requirements and opportunities for key ESF-6 partners.
• Participated in DBNPS integrated drill.
• Spoke with representatives from Pennsylvania Department of Environmental Protection, Bureau of Radiation Protection to discuss the potential adoption of International Commission on Radiation Protection (ICRP) ICRP-60 for Dose assessment purposes during the emergency phase of nuclear power event.
• Completed INP training for Ohio EMA Watch.
• Perry Nuclear Power Plant (PNPP) Integrated Drill and Initial Notification Point (INP) evaluated exercise by Federal Emergency Management Agency (FEMA)
• Continue planning for next year’s PNPP Hostile Action Based (HAB) exercise.
• Participated in the Teams meeting with BVPS staff for the Annual OATS
• Met with Andy Miller from the Cleveland Clinic regarding the RIMC Lab being able to reestablish their National Voluntary Laboratory Accreditation Program (NVLAP) accreditation.
• Attended Teams meeting with Ohio EMA team planning for the Gaseous Centrifuge Plant in Piketon that is now up and running again after previously being decommissioned.
• Attended Sample Flow training using the Rad Responder Network methodology for use during an Ingestion event from a Nuclear Power Plant.
• Conducted an Ingestion Zone Recovery & Reentry Advisory Group (IZRRAG) Teams meeting with state agency partners.
• Led Personal Protective Equipment (PPE) Donning and Doffing, and practical use and questions training for field use for Ohio EMA and ODH.
• Completed Ohio RND outreach for Delaware County.

5. Environmental Protection Agency – Jim Sferra
• NEPAC – July 15, 2021
• NPPEP – August 11, 2021, September 1, 2021
• BVPS Integrated Drill – August 5, 2021
• DBNPS Integrated Drill - August 24, 2021, October 5, 2021
• PNPP Integrated Drill – September 15, 2021
• RadResponder Training – September 14, 2021
• FMT/SS Evaluated Drill - September 28, 2021
• Annual IZZRAG – October 5, 2021
• Rad Sampling Drill – October 7, 2021

6. Department of Commerce – John Sharier
• Nothing significant to report.
D. Nuclear Regulatory Commission (NRC) - Allan Barker
Mr. Barker’s talking points were provided to each board member prior to the meeting. He reviewed a few of them with the board; the complete list can be obtained from the URSB Secretary at 614-799-3653.

Davis-Besse Nuclear Power Plant
- On August 12, 2021, the second quarter integrated inspection report for Davis-Besse was issued. Based on the results of the inspection, there was one Severity Level IV violation identified without an associated finding. This violation is being treated as a non-cited violation (NCV) and is summarized as follows.
  - The inspectors identified a Severity Level IV NCV of 10CFR 72.48(d)(1), “Changes, Tests, and Experiments,” for failing to maintain a record of a change to the spent fuel storage cask design that includes a written evaluation providing the bases for the determination that the change, test, or experiment does not require a license amendment pursuant to 10 CFR 72.48(c)(2). Specifically, the licensee failed to recognize that changes to the thermal conditions of dry shielded canister (DSC) #9 during its vacuum drying process could potentially impact the analyzed fuel cladding temperature, which would require an evaluation. For corrective actions, after initial loading of DSC #9, calculations were performed by the licensee, and independently reviewed by the NRC, which concluded that temperatures did not exceed the maximum peak cladding temperature limits.

Perry Nuclear Power Plant
- On August 12, 2021, the second quarter integrated inspection report for Perry was issued. Based on the results of the inspection, there was no findings or violations of more than minor significance identified during this inspection.

Beaver Valley Units 1 and 2
- On August 11, 2021, the second quarter integrated inspection report for Beaver Valley Units 1 and 2 was issued. Based on the results of the inspection, there was no findings or violations of more than minor significance identified during this inspection.

E. Federal Emergency Management Agency (FEMA) – Sean O’Leary
Mr. O’Leary’s full report is available by contacting the URSB secretary at 614-799-3653.

- Discussed Training and Exercise Planning Workshop (TEPW), previous exercises including all of the out-of-sequence exercises, and the upcoming Medical Services (MS1) drills.

F. Utility Report, Energy Harbor Nuclear (EHN) – Sean Zalesny
Mr. Zalesny of Energy Harbor Nuclear (EHN) reported for the utility. A complete copy of his notes are available by contacting the URSB secretary 614-799-3653.

Beaver Valley Power Station
- Beaver Valley Unit 1 continues to operate safely and reliably following completion of IR27.
- Beaver Valley Unit 2 was nearly complete with another “breaker to breaker” run when the unit tripped on October 5th at 0632. The trip was uncomplicated as all required systems functioned properly. The Outage Control Center was staffed and the cause of the trip was
being investigated. The failure modes analysis determined that a low power trip function which trips the reactor if power exceeds 25% and is normally disabled above 10% reactor power, was activated in error by the failure of a component on a logic card. Since at that time the reactor was at approximately 90% power coasting down to the outage, the reactor tripped. Following repairs, the reactor startup was conducted to support testing required before the refueling outage. Unit 2 entered Mode 1 on October 8th at 0327 and synchronized to the grid at 1052. Beaver Valley Unit 2 raised reactor power to 48% where testing was conducted on the main steam safety valves until 0001 on October 10th when they shutdown the unit to begin 2R22.

- The Beaver Valley team is focused on continued safe operation of Unit 1 and the successful completion of 2R22. Following the completion of 2R22, Emergency Response activities will be focused on preparation for the World Association of Nuclear Operators (WANO) evaluated drill in December.

The next Beaver Valley integrated drill is scheduled for December 14, 2021.

**Davis-Besse Nuclear Power Station**

- Davis-Besse has continued to operate safely and reliably since our last quarterly meeting with no significant issues.

- Davis-Besse Emergency Response has conducted two Emergency Response Integrated Drills since the last quarterly report. One in August and one in October. Both drills were very successful, providing the opportunity for the Emergency Response Organization to maintain proficiency and improve procedures and processes. During the October 5th drill, Davis-Besse also conducted a potentially contaminated injured person drill, which included a test of the actual 911 system and included participation from Mid-County EMS and Magruder Hospital, which was successful.

The next Davis-Besse integrated drill is scheduled for May 24, 2022.

**Perry Nuclear Power Plant**

- The Perry Nuclear Power Plant has continued to operate safely and reliably at full power throughout the 19th cycle with no challenges to generation. The Perry EP staff has continued to focus their efforts on the ERO restructuring effort by leading the development of new emergency plan implementing procedures which will be used fleet wide. New procedures and position specific checklists have been developed which will provide an increased focus on the most important tasks, while also reducing unnecessary information and distractions from the procedures. The first of a series of validations is taking place on October 19th, as Perry is leading the Fleet through the implementation of our new process.

- Perry Emergency Response conducted an integrated drill on September 15, which utilized all emergency response facilities. The drill provided a successful opportunity for the Emergency Response Organization to maintain proficiency, as well as a significant challenge for the dose assessment functions, which is a focus area for emergency response.

The next Perry integrated drill is scheduled for March 8, 2022.
V. MISCELLANEOUS

A. Questions from the Public
URSB Secretary Patsy Razzano opened the floor for questions from the public. There was a Q&A dialog box opened on the virtual meeting. There were no questions from the public. There were no members from the public present.

VI. ADJOURNMENT

Mr. Salz asked if there was any further discussion on any of the topics covered, and hearing none requested a motion to adjourn. Ms. Fugitt made a motion, Mr. Sferra seconded the motion. A vote was called, all were in favor, none opposed and the meeting was adjourned at 2:06 PM.