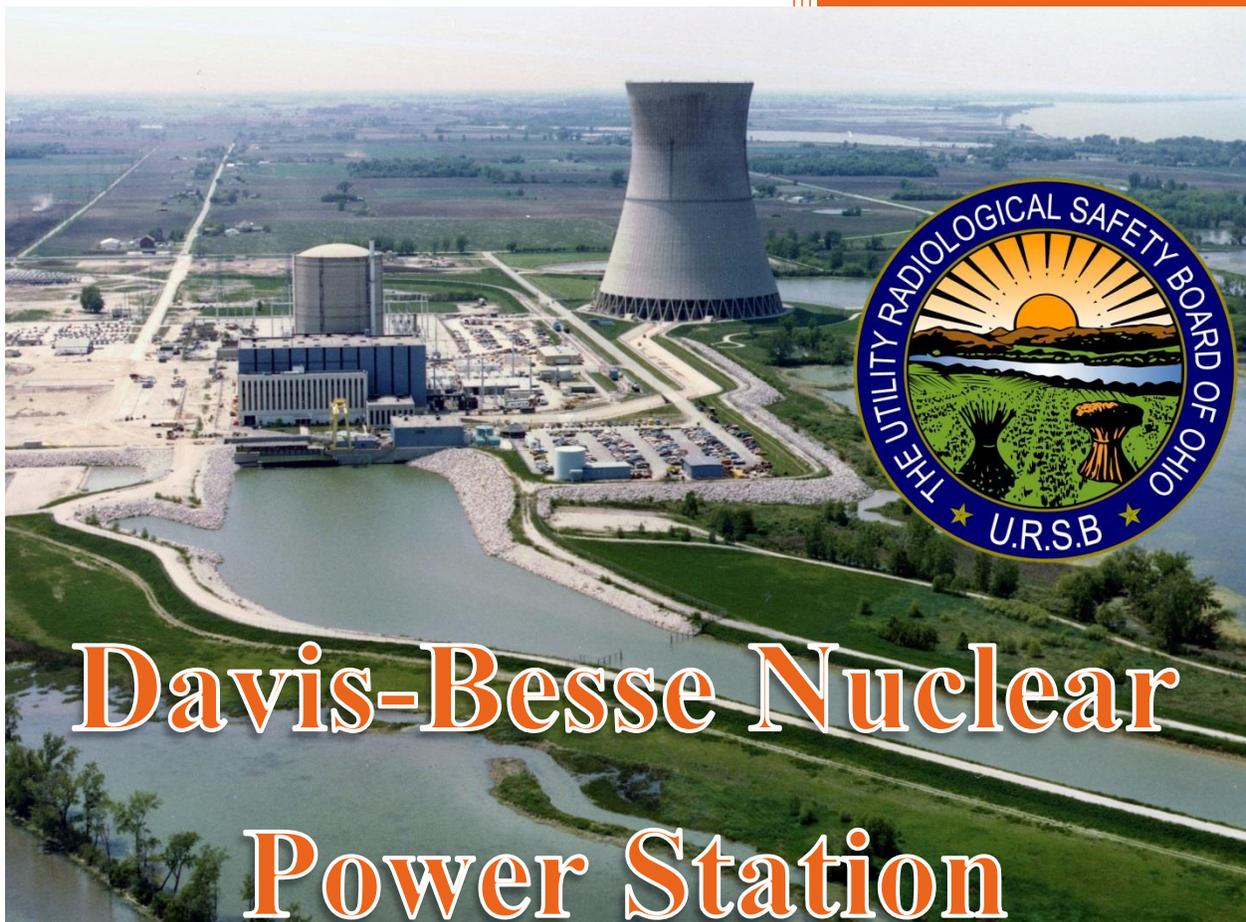


FY 2015

URSB of Ohio Annual Report



**Davis-Besse Nuclear
Power Station**

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REPORT FROM THE CHAIRMAN



REPORT TO THE GOVERNOR AND GENERAL ASSEMBLY

Governor Kasich and Members of the Ohio General Assembly:

The member agencies of the Utility Radiological Safety Board (URSB) of Ohio - the Departments of Agriculture, Health and Commerce, the Emergency Management and Environmental Protection Agencies, and the Public Utilities Commission are pleased to present the 2014 annual report of major Board activities.

The URSB was established in July 1989 (ORC Section 4937) to coordinate the nuclear power plant responsibilities of its member agencies. The Board is also charged with the responsibility of enhancing the quality of the State's response to nuclear power safety issues in the areas surrounding our nuclear power plants. This report details the actions of the Board toward the accomplishment of these goals.

- During SFY2015, the URSB held four statutory meetings. The URSB started the fiscal year by meeting on July 14, 2014 at the Lake County Emergency Operations Center which included a plant tour of Perry Nuclear Power Plant for board members and guests. Subsequent meetings were: October 14, 2014, January 12, 2015, and April 6, 2015 all held at the Ohio Emergency Management Agency offices in Columbus.

There were two classifiable events in SFY15 for nuclear power plants affecting Ohio.

- Davis-Besse Nuclear Power Station declared an Unusual Event under Emergency Action Level HU4 at 0935 EDT on Tuesday July 8, 2014 due to a single smoke detector inside containment that alarmed at 0925 EDT which could not be verified within 15 minutes. The State was notified through the OSHP Dispatch, who notified the Radiological Branch Chief and the Department of Public Safety (DPS) HUB per procedures. Radiological Branch personnel monitored the dedicated line and made notifications to the Ohio Environmental Protection Agency and the Ohio Department of Health as well as updates to the Department of Public Safety. The smoke detector alarm cleared at 1006 EDT. A containment entry was performed and it was verified there was no fire. The event was terminated at 1328 EDT.
- Davis-Besse Nuclear Power Station declared an Unusual Event under Emergency Action Level HU4 at 1910 EDT on Saturday May 9, 2015 due to a steam leak in the turbine building which was reported by field operators at 1859 EDT. A rapid shutdown was initiated and the reactor was manually tripped at 1909 hours. OSHP dispatch contacted the Radiological Branch Chief, who contacted the Operations Administrator. The Operations Administrator performed notifications of Ohio EMA and DPS leadership while the Radiological Branch Chief performed courtesy notifications to the Ohio Department of Health and Ohio Environmental Protection Agency. The Radiological Branch Chief coordinated with representatives of the U.S. Nuclear Regulatory Commission and the utility to provide information to DPS leadership and the Governor's Office via conference call. The plant exited the Unusual Event at 2120 EDT.

There were two Federal Emergency Management Agency (FEMA) evaluated exercises in SFY2015.

- The Perry Nuclear Power Plant biennial FEMA Evaluated Exercise was held the week of September 22, 2014 with activities in Columbus, and in Lake, Geauga, and Ashtabula counties. On Tuesday September 23, personnel responded to the State Emergency Operations Center in response to a simulated attack on the Perry Nuclear Power Plant, or Hostile Action Based (HAB) Drill. On Wednesday September 24, State Field Monitoring Team (FMT) activities were conducted including; plume location traversals, air sampling, and the transfer of radiological samples from the monitoring team, to a courier, to a State Sample Screening Point, which collects the samples then ships them to radiological labs for analysis.
 - Lake, Geauga, and Ashtabula Counties participated in the activities on the 23rd with local response to the Emergency Operations Centers in Lake, Geauga and Ashtabula counties, and a near-site Incident Command Post. The counties also facilitated numerous out of sequence activities at multiple locations throughout the week.
 - Results from the FEMA report were that all open issues from past exercises were successfully re-demonstrated and that there were no new findings for either the State of Ohio or the three participating counties.
- The Davis-Besse Nuclear Power Plant biennial FEMA Evaluated Exercise was conducted the week of May 4, 2015 with activities in Columbus, and in Ottawa and Lucas Counties. On Tuesday May 5, the State Emergency Operations Center was fully activated in response to a simulated attack on the Davis-Besse Nuclear Power Station. On Wednesday May 6, State Field Monitoring Team (FMT) activities were conducted.
 - Ottawa and Lucas Counties participated in the activities on the 5th with response to the Emergency Operations Centers in Ottawa and Lucas Counties, and successfully demonstrated numerous out of sequence activities at multiple locations throughout the week.
 - The only formal FEMA finding for the state was a planning issue relating to inconsistencies between the state plan and county procedures regarding turn back values, and an incorrect statement related to when potassium iodide would be ingested by state personnel.

The URSB continues to closely monitor nuclear power issues that could have a direct effect on Ohio’s nuclear utilities and the safety of Ohio’s citizens.

I encourage your review of the many specific activities of the URSB and its member agencies contained in the enclosed overviews.

Sincerely,



SIMA S. MERICK
Chair

SSM/pwh

DESCRIPTION OF THE URSB



DESCRIPTION OF THE URSB

The Utility Radiological Safety Board (URSB) of Ohio was established by the Ohio General Assembly as part of Amended Substitute House Bill 111 in July of 1989 and later revised by Amended Substitute House Bill 215 in June of 1997. The Board’s purpose is to develop a comprehensive policy for the State regarding nuclear power safety. The Board’s objectives are to promote safe, reliable, and economical power; establish a memorandum of understanding with the Nuclear Regulatory Commission (NRC) and the State; and recommend policies and practices that promote safety, performance, emergency preparedness, and public health standards that are designed to meet the State’s needs.

The URSB membership consists of six state agencies: the Ohio Departments of Agriculture, Commerce, and Health; the Ohio Emergency Management and Environmental Protection Agencies; and the Public Utilities Commission of Ohio.

Board meetings are held quarterly at the offices of the Ohio Emergency Management Agency at 2855 West Dublin-Granville Road, Columbus, Ohio. The meetings are open to the public.

To find out more information concerning the URSB and its members, please refer to the URSB homepage at <http://www.ursb.ohio.gov/index.stm> or contact the URSB Secretary at (614) 889-7150. The Board members for SFY15 and their respective designees are listed below:

Ohio Department of Agriculture
Mr. David T. Daniels, Director
Ms. Terri Gerhardt, Designee

Ohio Emergency Management Agency
Ms. Sima Merick, Director
Mr. Patrick Sheehan, Designee

Ohio Department of Commerce
Ms. Jacqueline T. Williams, Director
Mr. John Sharier, Designee

Ohio Environmental Protection Agency
Mr. Craig W. Butler, Director
Mr. Peter Whitehouse, Designee

Ohio Department of Health
Mr. Richard Hodges, Director
Mr. Michael J. Snee, Designee

Public Utilities Commission of Ohio
Mr. Andre T. Porter, Chairman
Mr. Daniel Fisher, Designee

URSB ACTIONS AND ACTIVITIES



SUMMARY OF URSB ACTIONS AND ACTIVITIES:

Statutory Meetings:

During SFY2015, the URSB held four statutory meetings. The URSB started the fiscal year by meeting on July 14, 2014 at the Lake County Emergency Operations Center which included a plant tour of Perry Nuclear Power Plant for board members and guests. Subsequent meetings were: October 14, 2014, January 12, 2015, and April 6, 2015 all held at the Ohio Emergency Management Agency offices in Columbus.

Additional details from these meetings are available by contacting the URSB Secretary at 614-889-7150.

July 14, 2014 Statutory Meeting Summary:

Executive Director Nancy Dragani, Ohio Emergency Management Agency called the URSB Statutory Board meeting to order at 10:30 AM on July 14, 2014 which was held at Lake County Emergency Management Agency.

The first order of business from the agenda was the roll call taken by Melissa Wulliger.

I. ROLL CALL (Board Members)

EMERGENCY MANAGEMENT AGENCY	MS. NANCY DRAGANI
DEPARTMENT OF HEALTH	MR. MICHAEL SNEE
ENVIRONMENTAL PROTECTION AGENCY	MR. KEVIN CLOUSE
DEPARTMENT OF AGRICULTURE	MR. CHUCK KIRCHNER
PUBLIC UTILITIES COMMISSION	MR. DAN FISHER
DEPARTMENT OF COMMERCE	MR. JOHN SHARIER (non-voting) (place of Mr. Dean Jagger)

A quorum was declared.

Other Notable Attendees:

Ms. Hilary Damaser, Attorney General’s Office
Mr. Allan Barker, NRC
Mr. Rick Collings, First Energy

II. READING OF THE APRIL 16, 2014 MINUTES (ADOPTED)

The board dispensed with the reading of the April 2014 meeting minutes and Ms. Dragani, Ohio Emergency Management Agency, asked for additions, corrections or deletions to the minutes. There were none. Ms. Dragani proceeded with the agenda item and asked for a motion to approve the April 2014 URSB board minutes. Mr. Snee, Ohio Department of Health, made the motion and Charles Kirchner, Department of Agriculture, seconded the motion to approve the minutes. None opposed and the motion carried.

III. OLD BUSINESSURSB Working Group Report

The working group provides a snapshot of the status of all tasks. Please refer to this document in your packets. Ms. Dragani solicited questions on the snapshots, and there were none.

ODH

Mr. Snee reported that the Emergency Worker KI was received. Bags and inserts are being prepared for distribution. Ottawa County requested 100 additional packets. The general public KI will be received in August. ODH is in the process of receiving bids for bags and inserts for repackaging. Pam Hintz updated the board on the RadResponder Implementation. Pam reported their lab does have RadResponder, but does not have RadResponder Pro.

EPA

Mr. Clayton reported that IZRRAG activities had a change in plan. EPA will consider centerline sampling and will follow the centerline plan. If requests come in for sampling inside that area, they will request federal assistance.

EMA

Mike Bear updated that the field monitoring teams are reworking the FMT procedures and incorporating the RadResponder data collection. Mr. Bear also shared that most of the staff attended the course on informational mapping and will attempt to use it during the next exercise. The URSB annual report is getting started. Ms. Dragani stated that the informational mapping is a good plan and looking forward to seeing what comes out of that plan.

ODA

Mr. Kirchner reported for the Ohio Department of Agriculture. The AG brochure has been completed and is currently being distributed.

IV. NEW BUSINESSURSB Working Group Quarterly Reports

The Ohio Emergency Management Agency, the Ohio Environmental Protection Agency, the Ohio Department of Health and the Ohio Department of Agriculture all provided quarterly reports. The following are the updates:

ODA

A Representative attended the NEPAC meeting held on April 24, 2014. At the request of OEMA, ODA provided a list of current locations of Farmers, Dairies, Granaries, Meat Processors and Packers, Food Processing Facilities and Food Distributors within a 50 mile radius of the Perry Nuclear Power Plant. This was done for a special sampling project. This computerized information will be available for use in future Ingestion Zone exercises. Mr. Bear added John Wills came up with a data collection process that RAD will consider using.

ODA updated the field sampling kits used by ODA food sampling teams for Ingestion Zone exercises. Several new ODA employees are being trained for future participation in IZRRAG and other radiological related exercises.

Ohio EMA

Mr. Bear updated the board regarding the new organizational chart for Ohio EMA that was recommended by the Department of Public Safety (DPS) Process Improvement team. So far, RAD does not have that many changes. The biggest change is Mike Bear's direct report, and it was reiterated that RAD analysts do not have to move.

Director Dragani adds that based on this report Ohio EMA will return to a divisional structure to allow agency leadership to focus on big picture issues. Over the next few years Ohio EMA will shift to a regional model and station staff in five regional offices to better support county and local governments.

The Beaver Valley Power Station (BVPS) exercise was conducted June 17, 2014. The scenario for the exercise involved an aircraft striking the BVPS and causing serious damage to the facility. The state was not evaluated during the exercise, but did provide support to Columbiana County for their evaluated participation. The Federal Emergency Management Agency (FEMA) identified a single Area Requiring Corrective Action (ARCA) for Columbiana County. Specifically the finding related to the way in which a dosimetry briefing was conducted. This ARCA was successfully re-demonstrated during the exercise and FEMA considers the issue closed. Overall FEMA characterized the exercise as being a "clean exercise."

Although the state was not evaluated many valuable insights were drawn from the exercise and will be incorporated into our hostile action planning.

Preparations are underway for the Perry Nuclear Power Plant Evaluated Exercise which will take place on September 23, 2014. This will be a day time full participation exercise for the state, meaning the State Emergency Operations Center (SEOC) will be fully activated and Field Monitoring Teams will be participating. This exercise will use a hostile action scenario, but the state will not be evaluated for hostile action preparations during this exercise. Invitations to our SEOC partners requesting their participation are being drafted.

On May 28, 2014 the Radiological Branch Chief and members of the Radiological Branch met with representatives of FEMA, Lake County, Geauga County, Ashtabula County, and the Perry Nuclear Power Plant to discuss the proposed extent-of-play documents for the exercise.

Minor changes were identified for the counties and the extent-of-play documents were finalized in June. The state is awaiting clarification from FEMA on how often waterway clearance must be demonstrated. Once this clarification is received the state extent-of-play will be complete.

On June 25, 2014 Lake County Emergency Management Agency and Perry Nuclear Power Plant hosted a tabletop exercise based on a hostile action against the plant. Scenarios of this type necessitate the inclusion of more law enforcement elements than previously included in past nuclear power plant exercises. The purpose of the tabletop was to develop an understanding amongst the players as to each organization's role and expected actions. This was accomplished by facilitators walking the group through a scenario and the various organizations describing their actions. Points of confusion or dissent were discussed to gain clarity on the issue.

Representatives of Ohio EMA, the Ohio Department of Health, and Ohio State Highway Patrol participated in a tabletop exercise.

Following the June 25, 2014 table top the Ohio EMA Executive Director, Radiological Branch Chief, and Public Information Officer (PIO) met with representatives of FENOC Fleet Emergency Preparedness to discuss how the Joint Information Center (JIC) can be exercised in a more realistic and useful fashion. The following potential improvements were identified:

1. Exercise mock media players will be state PIOs rather than plant personnel. Intended to ask questions oriented toward general public interest rather than plant technical questions.
2. FENOC will modify the suggested briefing order in their Standard Operating Procedure so offsite issues are briefed first.
3. Also looking at possibly holding a tabletop exercise for state, county and utility PIOs focused on JIC/media issues.

In June, Columbus-based members of the Radiological Branch participated in an Information Mapping Training course. The course taught students formatting tools and techniques that allow the reader to quickly locate pertinent information. The Radiological Branch is incorporating these techniques into reports and procedures wherever possible. The 2015 version of the state's Radiological Emergency Response plan will utilize this format as well.

The purchase order for the new calibration sources for the Radiological Instrument Maintenance and Calibration Laboratory (RIMC) has been received by the vendor. The vendor is in the process of renting suitable transport packaging for the new sources. RIMC personnel are coordinating with the Ohio Department of Health to identify needed radioactive materials license amendments to support the source exchange.

ODNR is proposing to provide department owned radiation detection equipment to their staff in place of the Civil Defense equipment provided by Ohio EMA. ODNR owns a stockpile of electronic dosimeters that are not being utilized which meet FEMA requirements. Ohio EMA leadership has approved of the Radiological Branch exploring this option. The Radiological Branch will meet with DPS Legal to develop a draft Memorandum of Understanding for this project.

EPA

Mr. Clayton updated his report by first discussing they had three observers at the Fermi exercise. During the evaluated exercise for Beaver Valley and Columbiana County, EPA used this opportunity to train an OEPA second shift in dose assessment, for Mr. Clayton's position. Comments were prepared and coordinated with the Division of Drinking and Ground Waters for the June 4 submission to USEPA on the notice of preliminary rulemaking for 40 CFR 190. The decision was made to not submit at this time.

ODH

Ohio Department of Health already updated the board on KI distribution during the working group report. ODH participated in two Joint Inspection Observation Programs (JIOPs) this quarter; both were at the Perry Plant. In addition, to date a total of 236 environmental samples have been collected during the second quarter of calendar year 2014. As usual nothing showed up, which has been the trend now for many years, and we hope for continued success in that respect.

Nuclear Regulatory Commission

The Nuclear Regulatory Commission representative, Mr. Allan Barker read from a document that he prepared. This document is available by contacting the URSB Secretary at 614-889-7150.

Utility Reports

Mr. Rick Collings of the First Energy Nuclear Operating Company (FENOC) presented the utility report. This report is available by contacting the URSB Secretary at 614-889-7150.

URSB Rule Review

Director Dragani read for the record the URSB Resolution 14-01 which is the Resolution approving proposed adoption of OAC Rule 4937-01-01, Rescinding of OAC Rule 4937-01-02, and Revisions to OAC Rule 4937-1-03 and to Rescind OAC Rule 4937-1-04:

”Whereas, the Utility Radiological Safety Board of Ohio (URSB) has statutory authority under Section 4937.04(B)(6) of the Ohio Revised Code, to adopt and publish administrative rules to conduct its business and regulate the mode and manner of all investigations, examinations and studies it undertakes; and **Whereas**, on July 14, 2014, the URSB adopted Resolution 14-01 proposing rules to be submitted to JCARR as mandated by the Ohio Revised Code; and **Whereas**, Ohio Administrative Code rules 4937-1-02; 4937-1-03; 4937-1-04 were effective on May 1, 1999; and **Whereas**, Ohio Administrative Code rules 4937-1-01; 4937-1-02; 4937-1-03; 4937-1-04 were reviewed as required in June 2009; and **Whereas**, Ohio Administrative Code rules 4937-1-02; 4937-1-03; 4937-1-04 were reviewed as required or approved through extension by the Joint Committee on Agency Rule Review prior to August 2009; and **Whereas**, rule 4937-1-01 was rescinded effective August 20, 2009 and the Utility Radiological Safety Board has now determined the need, in accordance with R.C. 121.22(F), to revert back to having its own notification of public meetings rule and is proposing rule 4937-1-01; **Whereas**, rule 4937-1-02 governed the Citizen’s Advisory Council which was created by the Utility Radiological Safety Board by resolution December 14, 1990 and the Utility Radiological Safety Board has determined the Citizen’s Advisory Council is no longer serving its intended purpose and the Utility Radiological Safety Board is proposing to rescind rule 4937-1-02; **Whereas**, rules 4937-1-03 and 4937-1-04 are duplicative and/or can be revised into one rule and the Utility Radiological Safety Board is proposing revisions to rule 4937-1-03 and to rescind rule 4937-1-04; **Now**, therefore be it **Resolved** that the Utility Radiological Safety Board approves the proposed adoption of Ohio Administrative Code rule 4937-1-01, the proposed rescission of Ohio Administrative Code rule 4937-1-02, the proposed amendment to Ohio Administrative Code 4937-1-03, and the proposed rescission of Ohio Administrative Code rule 4937-1-04, as written.”

Director Dragani discussed the rules as described in the resolution and explained the changes in the rules. Director Dragani requested a motion to accept the resolution with a few grammatical changes. Mr. Kirchner initiated the motion and Mr. Snee seconded the motion. All were in favor and none opposed. The motion to accept the Resolution was passed with discussed grammatical changes.

The Board directs legal counsel to prepare the necessary documents and to proceed with filing the proposed rules with the Joint Committee on Agency Rule Review (JCARR). A vote was taken for the acceptance of the resolution. The members who signed FOR the Resolution were Michael Snee, Nancy Dragani, Kevin Clouse, Chuck Kirchner, and Dan Fisher. Dean Jagger was unable to sign because he was not present. None opposed.

Director Dragani also pointed out for review several Rule Summary Fiscal Analysis, (RFSA) that are required to be presented with the proposed rule changes. The board reviewed them and voted on motion to approve them. Mr. Fisher initiated the motion and Mr. Snee seconded the motion. None opposed and the motion passed.

V. MISCELLANEOUS

Questions from the public presented to the board:

- It was brought up that the Lake County requested to bag the KI's. Mr. Snee stated that it should be a joint venture and the states will provide the bags.
- There was concern about disposing KI. Mr. Snee said that ODH will push out guidance on the best methods for the disposal of KI. It was mentioned that some pharmacies collect KI.

VI. ADJOURNMENT

Mr. Kirchner asked for a motion to adjourn the meeting and Mr. Clouse seconded the motion. The motion passed and the meeting was adjourned at 12:06 PM.

Working Group Snapshot for July 14, 2014

Action Item	Last Updated	Target Date:	Lead	Supporting Agencies	Essential Tasks Supported	Status:
Potassium Iodide Supply Emergency Worker	2-Jul-14	31-Aug-14	ODH	NRC	Public Health and Safety - KI	Received
Potassium Iodide Supply Public	2-Jul-14	31-Oct-14	ODH	NRC	Public Health and Safety - KI	In Progress
Dosimetry Report Form	2-Jul-14	1-Sep-14	ODH	OEMA	Emergency Planning	In Progress
RadResponder Implementation Lab	2-Jul-14	1-Sep-14	ODH		Emergency Planning - Technology	ON HOLD
IZRRAG Activities	2-Jul-14	1-Jun-14	OEPA	Ohio EMA, OEPA, ODH	Emergency Planning - Exercises	Complete 6/13/2014
RadResponder Implementation-FMT	2-Jul-14	1-Sep-14	Ohio EMA		Emergency Planning - Technology	In Progress
REP Plan Review 2015	2-Jul-14	31-Jan-15	Ohio EMA	ODA, ODH, ODNR,	Emergency Planning	In Progress
ALC	2-Jul-14	31-Jan-15	Ohio EMA	EPZ Counties, FENOC	Emergency Planning	
Agriculture Brochure	2-Jul-14	31-Oct-14	ODA		Emergency Planning	
Reactor Oversight						
Reactor Unit	Action Matrix Column		Current Regulatory Oversight			Last Change
Beaver Valley Unit 1	Licensee Response (1)		Baseline Inspection			3Q2013
Beaver Valley Unit 2	Licensee Response (1)		Baseline Inspection			3Q2013
Davis Besse	Regulatory Response (2)		Baseline Inspection			2Q2014
Perry	Licensee Response (1)		Baseline Inspection			3Q2013

October 14, 2014 Statutory Meeting Summary:

Mr. Daniel Fisher, Public Utilities Commission of Ohio called the URSB Statutory Board meeting to order at 1:30 PM on October 14, 2014 which was held at Ohio Emergency Management Agency.

The first order of business from the agenda was the roll call taken by Melissa Wulliger.

I. ROLL CALL (Board Members)

EMERGENCY MANAGEMENT AGENCY	NANCY DRAGANI (not present)
DEPARTMENT OF HEALTH	MICHAEL SNEE
ENVIRONMENTAL PROTECTION AGENCY	KEVIN CLOUSE
DEPARTMENT OF AGRICULTURE	CHARLES KIRCHNER
PUBLIC UTILITIES COMMISSION	DANIEL FISHER
DEPARTMENT OF COMMERCE	DEAN JAGGER

A quorum was declared.

Other Notable Attendees:

Ms. Holly Welch, Attorney Department of Public Safety
 Mr. Allan Barker, Nuclear Regulatory Commission
 Mr. Tim Steed, FENOC, Director of Performance Improvement at BVPS
 Mr. Bob Deppi, FENOC, FLEX Program Manager
 Mr. Sean Zalesny, FENOC, Fleet Emergency Preparedness

II. READING OF THE JULY 14, 2014 MINUTES (ADOPTED)

The board dispensed with the reading of the July 2014 meeting minutes and Mr. Fisher, asked for additions, corrections or deletions to the minutes. There were none. Mr. Fisher proceeded with the agenda item and asked for a motion to approve the July 2014 URSB board minutes. Mr. Kirchner, Department of Agriculture, made a motion to accept the July 2014 minutes and Mr. Jagger, Department of Commerce, seconded the motion to approve the minutes. None opposed and the motion carried.

III. OLD BUSINESS

URSB Working Group Report

The working group provided a snapshot of the status of all tasks. The document was in the packets that were distributed. The first four topics in the snapshot belong to Ohio Department of Health which started off the reporting.

ODH

Mr. Snee reported that the Emergency Worker KI was received. Bags and inserts are being prepared and will be distributed to the counties by the end of the month. The general public KI has been received and should be distributed by the end of October. In July, a new dosimetry form was presented to NEPAC. However, it has not been finalized. This will be revisited. RadResponder Implementation is still in progress. The lab does have RadResponder, but it does not have RadResponder Pro.

EMA

Mr. Bear shared that although it was considered, RadResponder was not used during the Perry exercise. There were some technical difficulties. Contact to the vendor has been made for questions. The 2015 REP Plan Review's first draft is done and the working group is in the process of reviewing it and adding comments.

ODA

Mr. Kirchner reported that the Department of Agriculture's brochure has been completed and is currently being distributed. It can be found on the EMA website.

IV. NEW BUSINESSURSB Working Group Quarterly Reports

The Ohio Emergency Management Agency, the Ohio Environmental Protection Agency, the Ohio Department of Health and the Ohio Department of Agriculture all provided quarterly reports. The following are the updates:

Ohio Department of Agriculture – ODA attended the NEPAC meeting held on July 31, 2014. Representatives from both ODA's Food Safety and Dairy divisions participated at the state EOC for the dry run Perry HAB exercise held on September 10th and the graded Perry HAB exercise held on September 23rd.

Ohio Department of Health

Ohio Department of Health ODH participated in two JIOP's this quarter. They were both with the Davis-Besse Nuclear Power Station; one from July and one from September, 2014. The status of KI distribution was updated during the working group report. ODH is currently updating their testing policies. Regarding environmental monitoring - currently, a total of 236 environmental samples have been collected during the third quarter of calendar year 2014. The ODH Lab has completed their analysis of the samples collected in July and August and the results have been entered into the environmental monitoring database.

Ohio Emergency Management Agency

The board was updated regarding the Perry Nuclear Power Plant (PNPP) Evaluated Exercise that took place on September 23, 2014, with out-of-sequence demonstrations by state Field Monitoring Teams (FMT) on September 24, 2014. This was a full participation exercise for the State of Ohio meaning the State Emergency Operations Center (SEOC) was fully activated to simulate the state's response. The scenario entailed a rapidly escalating Hostile Action Based (HAB) event being directed against the plant. While the state was not evaluated for HAB considerations during this exercise, state law enforcement elements did participate. Representative of Region V of the Federal Emergency Management Agency (FEMA) presented their preliminary exercise findings at an exit meeting conducted Friday September 27, 2014 at the Lake County EOC. FEMA was very pleased with the exercise.

The Davis-Besse Nuclear Power Station (DBNPS) exercise is scheduled for May 5, 2015. The dry run has been scheduled for March 24, 2015. A date for a tabletop has not been scheduled but will most likely occur in early to mid-February.

This exercise will be a Hostile Action Based (HAB) scenario with full participation for the state, meaning the State Emergency Operations Center (SEOC) will be fully activated, Field Monitoring Teams demonstrated, and the state's HAB response will be evaluated. This exercise will initiate the state's new 8 year exercise cycle.

Ohio EMA is in the process of organizing a FEMA facilitated state agency table top exercise prior to the DBNPS activities to identify any gaps not revealed by the previous two exercises. More information will be provided as details are worked out.

The revised rules have been "final filed" with the Joint Committee on Agency Rule Review (JCARR), meaning the rules have been accepted. The new rules will become effective on October 16, 2014. Copies of the final rules are attached to this report as Attachment 1. The new rules will be scheduled for periodic review on June 5, 2019.

Conversation took place regarding Sunset rules regarding the history of the rule.

On September 18 and 19, 2014, the radioactive source used in the Radiological Instrument Maintenance & Calibration (RIMC) Laboratory's gamma range was replaced with a new source. The source exchange was executed without any major difficulties. The vendor and RIMC coordinated these activities with the Ohio Department of Health Bureau of Radiation Protection to verify this process occurred in compliance with all applicable rules.

This source replacement ensures the gamma range is capable of continuing to accurately calibrate a variety of radiation detection instruments for the State of Ohio and other government agencies.

The first draft of a Memoranda of Understanding (MOU) between Ohio EMA and the Ohio Department of Natural Resources (ODNR) that would formalize the use of their own radiation detection equipment for nuclear power plant response has been received from the Ohio Department of Public Safety legal staff and is being reviewed by Ohio EMA upper management. This is mostly for the watercraft.

Environmental Protection Agency

Ohio EPA participated in the exercise and found that there were issues identified in their procedures that needed revised. Several previously unidentified issues were discovered that will be incorporated into future planning efforts. Participating in the exercise provided a great opportunity for EPA, and it is nice to look at situations and procedures in a different perspective. Following the exercise, there were tabletop discussions regarding State actions and remediation options after a contamination of Lake Erie water intakes. OEPA is in the process of assessing Radiation page links, data has been completed and information content and revising that is appropriate is being completed as well.

Department of Commerce

There was nothing to report at this time.

Other New Business

The URSB annual report was presented by Ohio Emergency Management Agency. Comments or questions were solicited and there were none. Mr. Fisher asked for a motion to approve the URSB annual report. Mr. Jagger, Department of Commerce, initiated the motion to approve the report and Mr. Kirchner, Department of Agriculture, seconded the motion. None opposed and the motion carried.

A certificate of service was present to Charles Kirchner, Department of Agriculture for his 13 years of service to the URSB Board. URSB Resolution 14-02 was presented to Charles Kirchner in recognition of said service. Mr. Fisher asked for a motion to approve the URSB resolution 14-02. Mr. Clouse, Environmental Protection Agency, initiated the motion to approve the resolution and Mr. Jagger, Department of Commerce, seconded the motion. None opposed and the motion carried.

It was also mentioned that Kevin Clouse, Ohio Environmental Protection Agency is also retiring. A resolution will be presented at the next URSB statutory board meeting which will be in January 2015.

Nuclear Regulatory Commission

The Nuclear Regulatory Commission representative, Mr. Allan Barker read from a document that he prepared. This document is available by contacting the URSB Secretary at 614-889-7150.

Utility Reports

First Energy, Mr. Zalesny introduced Bob Deppi who is the FLEX Program Manager and Tim Steed, FENOC, Director of Performance Improvement at BVPS. Mr. Deppi presented to the board information regarding the FLEX initiative. Please see board secretary for the presentation regarding the FLEX program initiative.

V. MISCELLANEOUS

2015 Meeting Dates

- January 12, 2015, April 6, 2015, July 6, 2015 and October 5, 2015 were presented and agreed upon for the future meeting dates for the URSB statutory board meetings.

Questions from the public presented to the board

- There were none.

VI. ADJOURNMENT

Mr. Kirchner, Department of Agriculture, asked for a motion to adjourn the meeting and Mr. Clouse, Environmental Protection Agency, seconded the motion. The motion passed and the meeting was adjourned at 3:05 PM.

Working Group Snapshot for October 14, 2014

Action Item	Last Updated	Target Date:	Lead	Supporting Agencies	Essential Tasks Supported	Status:
Potassium Iodide Supply Emergency Worker	3-Sep-14	31-Aug-14	ODH	NRC	Public Health and Safety - KI	Complete 8/21/2014
Potassium Iodide Supply Public	1-Oct-14	31-Oct-14	ODH	NRC	Public Health and Safety - KI	In Progress
Dosimetry Report Form	1-Oct-14	1-Jan-15	ODH	OEMA	Emergency Planning	In Progress
RadResponder Implementation Lab	3-Sep-14	1-Sep-14	ODH		Emergency Planning - Technology	ON HOLD
RadResponder Implementation-FMT	1-Oct-14	1-Dec-14	Ohio EMA		Emergency Planning - Technology	In Progress
REP Plan Review 2015	1-Oct-14	31-Jan-15	Ohio EMA	ODA, ODH, ODNR,	Emergency Planning	In Progress
ALC	1-Oct-14	31-Jan-15	Ohio EMA	EPZ Counties, FENOC	Emergency Planning	In Progress
Agriculture Brochure	1-Oct-14	31-Oct-14	ODA		Emergency Planning	Complete 10/01/2014
Reactor Oversight						
Reactor Unit	Action Matrix Column		Current Regulatory Oversight			Last Change
Beaver Valley Unit 1	Licensee Response (1)		Baseline Inspection			3Q2013
Beaver Valley Unit 2	Licensee Response (1)		Baseline Inspection			3Q2013
Davis Besse	<u>Licensee Response (1)</u>		Baseline Inspection			<u>2Q2014</u>
Perry	Licensee Response (1)		Baseline Inspection			3Q2013

January 12, 2015 URSB Statutory Meeting Summary:

Ms. Sima Merick, Interim Director of Ohio Emergency Management Agency called the URSB Statutory Board meeting to order at 1:30 PM on January 12, 2015 which was held at Ohio Emergency Management Agency.

The first order of business from the agenda was the roll call taken by Melissa Wulliger, URSB Board Secretary.

I. ROLL CALL (Board Members)

EMERGENCY MANAGEMENT AGENCY	SIMA MERICK
DEPARTMENT OF HEALTH	MICHAEL SNEE
ENVIRONMENTAL PROTECTION AGENCY	PETER WHITEHOUSE
DEPARTMENT OF AGRICULTURE	TERRI GERHARDT
PUBLIC UTILITIES COMMISSION	DANIEL FISHER
DEPARTMENT OF COMMERCE	DEAN JAGGER

A quorum was declared.

Other Notable Attendees:

Ms. Hilary Damaser, Attorney General’s Office
 Mr. Michael Bear, Emergency Management Agency
 Mr. David Lipp, Ohio Department of Health
 Ms. Holly Welch, Department of Public Safety
 Mr. Patrick Sheehan, Emergency Management Agency
 Mr. Allan Barker, Nuclear Regulatory Commission
 Mr. Rick Collings, FENOC
 Mr. Sean Franklin, Perry Nuclear Power Plant
 Mr. Jim Vetter, Davis-Besse Nuclear Power Station
 Mr. Zack Clayton, Ohio Environmental Protection Agency

II. READING OF THE OCTOBER 14, 2014 MINUTES (ADOPTED)

The board dispensed with the reading of the October 2014 meeting minutes. Ms. Merick asked for additions, corrections or deletions to the minutes. There were none. Ms. Merick asked for a motion to approve the October 2014 URSB board minutes. Mr. Whitehouse made a motion to accept the October 2014 minutes and Mr. Fisher seconded the motion to approve the minutes. None opposed and the motion carried.

III. OLD BUSINESS

URSB Working Group Report

Mr. Bear opened reporting for EMA with the Interagency Radiological Emergency Preparedness report which was named URSBWG. This is a name change which will be discussed in the new business. The REP plan review revision is underway. Once completed, it will be forwarded to FEMA. The RadResponder Implementation is in progress. Work is being done to put it in place and forms are being developed. The Annual Letter of Certification will be completed shortly.

ODH

Mr. Snee reported for the Ohio Department of Health. Potassium Iodide (KI) has been distributed to six health departments, and the Dosimetry report has been revised. ODH did not participate in any JIOP's this quarter. Two ODH observers completed their requalification for this program in November, 2014.

ODA

Ms. Gerhardt reported that the Department of Agriculture's brochure has been started and is on target for being distributed on time.

IV. NEW BUSINESS

Ms. Merick called for new business. However, prior to addressing the agency updates, she discussed a change in leadership. Nancy Dragani has stepped down and moved to a different department. After January 26, 2015, a new director of Emergency Management Agency will start. His name is Evan Schumann and he comes from Ohio Task Force One where he was the Program Manager. Ms. Merick will remain as the Assistant Director here at EMA.

URSB Agency Quarterly Reports

The Ohio Emergency Management Agency, the Ohio Environmental Protection Agency, the Ohio Department of Health and the Ohio Department of Agriculture all provided quarterly reports. The following are the updates:

Ohio Emergency Management Agency

Mr. Bear started off the reporting by updating that the final report for the Perry Nuclear Power Plant exercise was received. It has been reviewed by the State and counties, and there were no findings.

Preparations have begun for the Davis-Besse Nuclear Power Plant exercise which is a full participation exercise.

On December 17, 2014 Ohio EMA hosted a tabletop discussion facilitated by FEMA for state agencies to discuss how the various state agencies will interact in response to a HAB event at a nuclear power plant. The intent of the tabletop was to reveal any gaps that may not have been discovered during state participation during the Beaver Valley and Perry

nuclear power plant exercises in 2014. The participants included representatives of Ohio EMA, Ohio Homeland Security, Ohio Department of Health, Ohio Environmental Protection Agency, and the Ohio Highway Patrol. The discussions provided FEMA with a better understanding of Ohio's concept of operations for this type of event and revealed some areas for improvement.

On September 18 and 19, 2014 the radioactive source used in the Radiological Instrument Maintenance & Calibration (RIMC) Laboratory's gamma range was replaced with a new source. The source exchange was executed without any major difficulties. The vendor and RIMC coordinated these activities with the Ohio Department of Health Bureau of Radiation Protection to verify this process occurred in compliance with all applicable rules. Several delays due to equipment availability and scheduling of OSU staff members slowed the process of recalibrating the range to NVLAP standards, but the re-calibration was completed in late December.

A Memoranda of Understanding (MOU) between Ohio EMA and the Ohio Department of Natural Resources (ODNR) formalizing the use of ODNR radiation detection equipment for nuclear power plant response has been completed. A timeline for implementation will have to be developed.

Ohio Department of Agriculture

Ms. Gerhardt updated the board by sharing that the Ohio Department of Agriculture participated in scheduled Interagency Radiological Emergency Preparedness meetings. The meetings are useful in discussing radiological issues and reviewing and revising procedures and advisories in preparation for nuclear power plant training, exercises and related emergencies. ODA attended the NEPAC training on October 23, 2014 and just as a reminder Charles Kirchner retired from ODA in November and Terri Gerhardt is his designated replacement.

Ohio Department of Health

Ohio Department of Health ODH did not participate with the federal partners in the Joint Inspection Observation Program (JIOP) this quarter. Two ODH observers completed their requalification for this program in November, 2014. Potassium Iodide (KI) was distributed to six local health departments.

Currently, a total of 205 environmental samples have been collected and analyzed at the ODH lab. The ODH Lab has completed their analysis of the samples collected in October and November and the results have been entered into the environmental monitoring database.

The 2013 Annual Environmental Monitoring Report has been distributed and an electronic version was posted on the Ohio Department of Health website.

Environmental Protection Agency

Mr. Zack Clayton shared with the board that 15 RAT (Radiological Assessment Team) attended courses as part of their continued training. EPA had two meetings at EMA to create forms in WebEOC that reported field monitoring data and how to verify unusual readings in an exercise. OEPA participated in the HAB tabletop exercise.

Department of Commerce

There was nothing to report at that time.

Public Utilities Commission

There was nothing to report at that time.

Discussion

Mr. Bear opens the floor discussing the URSB working group functions and structure. The purpose of the Work Group is to be open to public meeting, create the URSB annual report, plan and review policy and procedures, prepare exercises and perform duties as governed including the JIOP. The other tasks that are falling under URSBWG are not URSB related. The purpose and the direction should be formally driven by the URSB Board. The Board should instruct, set the rules and guidelines of the tasks requested. This may come in the form of writing or be stated. It was decided and suggested by Ms. Damasar that the Board designate agencies not individuals for simpler system of replacement. URSBWG will become an agency-tasked subcommittee of URSB and will meet on an as-needed basis. Multiple agency representatives will make up the subcommittee and can attend the meetings. However, voting will only be one vote per agency.

Mr. Snee made the motion to create a subcommittee of the URSB working group and Ms. Gerhardt seconded the motion. There was a discussion to clarify the purpose of the change and then Mr. Snee withdrew his motion and Ms. Gerhardt seconded it.

Ms. Merick requested the motion be restated to create a subcommittee of the URSB which replaces the URSBWG and will be more board driven. The new name will be determined by the next statutory board meeting. Ms. Gerhardt made the motion and Mr. Snee seconded the motion. There was no discussion, all were in favor and none opposed. The motion passed.

Additionally, Ms. Merick asked for a motion to have the new subcommittee meet as needed and to focus on the Joint Annual Reports and the Joint Inspection Program as directed to do so by the URSB board. Mr. Jagger made this motion and Ms. Gerhardt seconded the motion. There was no discussion, all were in favor and none opposed. The motion passed.

Ms. Merick asked for a motion to create a multi-agency group who has an interest in radiological activities and issues that will have set meetings and discussions will take place on issues outside of URSB. Mr. Jagger made the motion, and Mr. Whitehouse seconded the motion. There was no discussion, and all were in favor and none opposed. The motion passed.

Mr. Bear presented a Resolution No. 2015-01 to Kevin Clouse, Ohio EPA, for his service to the Utility Radiological Safety Board of Ohio. A motion was made by Mr. Jagger to accept Resolution No. 2015-01 and Mr. Snee seconded the motion. There was no discussion, all were in favor and none opposed. The motion passed.

Mr. Bear presented a second Resolution No. 2015-02 to Nancy J. Dragani for her ten years of service as Chair of the Utility Radiological Safety Board of Ohio. A motion was made by Mr. Whitehouse to accept Resolution No. 2015-02 and Ms. Gerhardt seconded the motion. There was no discussion, all were in favor and none opposed. The motion passed.

There was no other new business discussed. Mr. Bear introduced the Mr. Barker, so that he could report regarding the Nuclear Regulatory Commission:

Nuclear Regulatory Commission

The Nuclear Regulatory Commission representative, Mr. Allan Barker read from a document that he prepared. This document is available by contacting the URSB Secretary at 614-889-7150.

Utility Reports

Mr. Rick Collings of the First Energy Nuclear Operating Company (FENOC) presented the utility report. This report is available by contacting the URSB Secretary at 614-889-7150.

V. MISCELLANEOUS

2015 Meeting Dates

- July 6, 2015 and October 5, 2015 are the agreed upon dates for future meetings for the URSB statutory board.

Questions from the public presented to the board

- There were none.

VI. ADJOURNMENT

Ms. Gerhardt made the motion to adjourn the meeting and Mr. Jagger seconded the motion. The motion passed and the meeting was adjourned at 3:25 PM.

Interagency Radiological Emergency Preparedness Group Snapshot for January 12, 2015

Action Item	Last Updated	Target Date:	Lead	Supporting Agencies	Essential Tasks Supported	Status:
Potassium Iodide Supply Public	1-Oct-14	31-Oct-14	ODH	NRC	Public Health and Safety - KI	In Progress
Dosimetry Report Form	1-Oct-14	1-Jan-15	ODH	OEMA	Emergency Planning	In Progress
RadResponder Implementation Lab	3-Sep-14	1-Sep-14	ODH		Emergency Planning - Technology	ON HOLD
RadResponder Implementation-FMT	1-Oct-14	1-Dec-14	Ohio EMA		Emergency Planning - Technology	In Progress
REP Plan Review 2015	1-Oct-14	31-Jan-15	Ohio EMA	ODA, ODH, ODNR,	Emergency Planning	In Progress
ALC	1-Oct-14	31-Jan-15	Ohio EMA	EPZ Counties, FENOC	Emergency Planning	In Progress
Reactor Oversight						
Reactor Unit	Action Matrix Column	Current Regulatory Oversight			Last Change	
Beaver Valley Unit 1	Licensee Response (1)	Baseline Inspection			3Q2013	
Beaver Valley Unit 2	Licensee Response (1)	Baseline Inspection			3Q2013	
Davis Besse	<u>Regulatory Response (2)</u>	Baseline Inspection + 95001 Supplemental Inspection			<u>3Q2014</u>	
Perry	Licensee Response (1)	Baseline Inspection			3Q2013	

April 6, 2015 URSB Statutory Meeting Summary:

Mr. Patrick Sheehan, Operations Administrator of Ohio Emergency Management Agency called the URSB Statutory Board meeting to order at 1:30 PM on April 6, 2015 which was held at Ohio Emergency Management Agency.

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

I. ROLL CALL (Board Members)

EMERGENCY MANAGEMENT AGENCY	PATRICK SHEEHAN
DEPARTMENT OF HEALTH	MICHAEL SNEE
ENVIRONMENTAL PROTECTION AGENCY	PETER WHITEHOUSE
DEPARTMENT OF AGRICULTURE	ABSENT
PUBLIC UTILITIES COMMISSION	DANIEL FISHER
DEPARTMENT OF COMMERCE	JOHN SHARIER
	(In for Dean Jagger)

A quorum was declared.

Other Notable Attendees:

- Mr. Evan Schumann, Emergency Management Agency
- Ms. Sima Merick, Emergency Management Agency
- Mr. Russ Decker, Emergency Management Agency
- Mr. Michael Bear, Emergency Management Agency
- Ms. Hilary Damaser, Attorney General’s Office
- Ms. Angela Sullivan, Attorney General’s Office (Hilary Damaser’s replacement)
- Ms. Holly Welch, Department of Public Safety
- Mr. David Lipp, Ohio Department of Health
- Ms. Jodi Billman-Kotsko, Ohio Environmental Protection Agency
- Mr. Allan Barker, Nuclear Regulatory Commission
- Representatives from FENOC
- Representative from Perry Nuclear Power Plant
- Representative from Davis-Besse Nuclear Power Station

Ms. Angela Sullivan will be replacing Ms. Hilary Damaser, both from the Attorney General’s office, as the board’s legal advisor from the Attorney General’s office as required and stated in the ORC 4937.02(F). The board made the recommendation for approval of this transfer, and Mr. Sheehan asked for a motion to approve the transfer of representation as the board’s legal advisor. Mr. Fisher made a motion to accept the replacement representative and Mr. Whitehouse seconded the motion. None opposed and the motion carried.

II. READING OF THE January 12, 2015 MINUTES (ADOPTED)

The board dispensed with the reading of the January 2015 meeting minutes. Mr. Sheehan asked for additions, corrections or deletions to the minutes. There were none. Mr. Sheehan asked for a motion to approve the January 12, 2015 URSB board minutes. Mr. Snee made a motion to accept the minutes and Mr. Whitehouse seconded the motion to approve the minutes. None opposed and the motion carried.

III. OLD BUSINESS**Interagency Radiological Emergency Preparedness Group Report**

Mr. Bear opened for EMA reporting on the RadResponder Implementation-FMT is in progress. Dosimetry Report Form is in progress. Radiological training videos are being researched prior to putting together our training video so as to not reinvent the wheel. Ohio EMA continues making small improvements on WebEOC regarding the radiological exercise process.

ODA

Mr. Bear reported on Teri Gerhardt's behalf that the Department of Agriculture's has been putting together their mailing list for the brochure and have already started to prepare the report for next year.

ODH

Mr. Snee reported for the Ohio Department of Health. His report is recorded under new business.

IV. NEW BUSINESS**URSB Agency Quarterly Reports**

The Ohio Emergency Management Agency, the Ohio Environmental Protection Agency, the Ohio Department of Health and the Ohio Department of Agriculture all provided quarterly reports. The following are the updates:

Ohio Emergency Management Agency

Mr. Bear started off the reporting by updating that the evaluated exercise for Davis-Besse Nuclear Power Station is happening May 5, 2015. The dry-run in March was successful. Prior to that dry-run, there were several exercises. Annual Letter of Certification is in compliance with federal requirements. FEMA suggested changes that may result in better compliance. These changes will be reviewed. The REP Plan has been completed and distributed. Grant negotiations were successful.

Ohio Department of Health

Mr. Snee reported that ODH personnel had participated in two Joint Inspection Observation Program (JIOP) activities this quarter. They observed Radioactive Gaseous Waste and Liquid Effluent Treatment at Davis-Besse March 2-6, and Radiological Hazard Assessment and Exposure Control March 30 through April 3 at Perry Nuclear Power Plant. He also reported that ODH lab continues with the Environmental Monitoring activities and that 183 environmental samples were collected and analyzed in the first calendar quarter of 2015. To date all samples had been near or below the Lower Limit of Detection (LLD). Mr. Snee also reported that ODH was transitioning to the lead agency for the Interagency Radiological Emergency Preparedness (IREP) group and would be hosting at their Chestnut Street offices beginning in June.

Environmental Protection Agency

Ms. Jodi Billman-Kotsko shared that the Ohio EPA continues to monitor activities and public records related to the nuclear power plants. They also are continuing to participate in the Interagency Radiological Emergency Preparedness group (IREP) as it has expanded beyond the immediate concerns of the URSB.

Department of Commerce

There was nothing to report at that time.

Public Utilities Commission

There was nothing to report at that time.

Nuclear Regulatory Commission

Mr. Rick Collings of the First Energy Nuclear Operating Company (FENOC) presented the utility report. This report is available by contacting the URSB Secretary at 614-889-7150.

Utility Reports

Mr. Rick Collings of the First Energy Nuclear Operating Company (FENOC) presented the utility report. This report is available by contacting the URSB Secretary at 614-889-7150.

V. MISCELLANEOUS**2015 Meeting Dates**

- July 6, 2015 is the next agreed upon date for future meetings for the URSB statutory board.

Questions from the public presented to the board

- There were none.

VI. ADJOURNMENT

Mr. Whitehouse made the motion to adjourn the meeting and Mr. Fischer seconded the motion. The motion passed and the meeting was adjourned at 2:35 PM.

Interagency Radiological Emergency Preparedness Group Snapshot for April 6, 2015

Action Item	Last Updated	Target Date:	Lead	Supporting Agencies	Essential Tasks Supported	Status:
Interagency Radiological Preparedness (IREP) Projects						
RadResponder Implementation-FMT	1-Apr-15	1-Dec-14	Ohio EMA	ODH	Emergency Planning - Technology	In Progress
Agriculture Brochure	1-Apr-15	31-Oct-15	ODA		Emergency Planning	In Progress
Dosimetry Report Form Update	1-Apr-15	31-Dec-15	ODH		Emergency Planning	In Progress
Radiological Training Videos	1-Apr-15	31-Mar-16	Ohio EMA	ODH	Emergency Planning	In Progress
WebEOC	1-Apr-15	Continuous	OEMA	All	Emergency Planning	In Progress
Reactor Oversight						
Reactor Unit	Action Matrix Column		Current Regulatory Oversight			Last Change
Beaver Valley Unit 1	Licensee Response (1)		Baseline Inspection			3Q2013
Beaver Valley Unit 2	Licensee Response (1)		Baseline Inspection			3Q2013
Davis Besse	Regulatory Response (2)		Baseline Inspection + 95001 Supplemental Inspection			3Q2014
Perry	Licensee Response (1)		Baseline Inspection			3Q2013

URSB JOINT INSPECTION OBSERVATION PROGRAM



URSB JOINT INSPECTION OBSERVATION PROGRAM

The Joint Inspection Observation Program (JIOP) was implemented by the Board in April 1991 by adopting URSB Resolution 91-002, “Resolution Adopting General Agreement between the U.S. Nuclear Regulatory Commission and Ohio’s State Liaison Officer for State Observations of NRC Inspections of Nuclear Power Plants”. The agreement allows URSB JIOP members to observe NRC inspections of PNPP and DBNPS. Under “adjacent state observation” status, a second agreement with NRC Region I allow JIOP participants to observe NRC inspections at the BVPS. A “guideline document” has been developed setting the conditions and procedures for member agencies’ participation in the program. This document includes the goals and objectives of the JIOP. The URSB JIOP Goals and Objectives are delineated below.

In FY15 the URSB JIOP participants observed four NRC inspections.

URSB JIOP Goals and Objectives

1. To observe NRC inspections at Ohio nuclear power facilities and BVPS.
 - To participate with the NRC to observe inspections.
 - To communicate to the public, URSB member agencies, and interested parties first-hand information obtained by observing inspections, in accordance with NRC protocol.
 - To communicate with the NRC resident, regional, and national inspectors.
2. To raise issues of health, safety, and economic concerns with the Board.
 - To observe NRC inspections and obtain timely, first-hand information which will assist in formulating state positions on public health, safety, performance, and/or cost issues.
 - To maintain a historical database to monitor the economical production and safe operation of nuclear energy.

To inform the URSB about which inspections were observed during each quarter.

JIOP INSPECTIONS FY2015 (July 1, 2014 to June 30, 2015)

JIOP Number	Date(s)	Inspection	Agency
2015-DBNPS-001	July 7-11, 2014	Rad Solid Waste Processing & RAM Handling/Storage/Transportation	ODH
2015-DBNPS-002	September 8-12, 2014	Radiological Environmental Monitoring Program (REMP)	ODH
2015-DBNPS-004	March 2-6, 2015	Radiological Hazard Assessment & Exposure Controls	ODH
2015-PNPP-002	March 30 – April 3, 2015	Radiological Hazard Assessment & Exposure Controls; Occupational ALARA Planning & Controls; Performance Indicator Verifications	ODH

FINANCIAL REPORT



DESCRIPTION	SFY11	SFY12	SFY13	SFY14	SFY15
<i>Appropriations</i>					
Emergency Management	\$1,381,558	\$1,329,226	\$1,415,945	\$1,415,945	\$1,415,945
Health	\$850,000	\$988,079	\$984,700	\$1,012,671	\$1,009,157
Environmental Protection	\$285,982	\$307,031	\$300,571	\$298,820	\$301,552
Agriculture	\$123,048	\$123,570	\$116,988	\$117,826	\$119,672
Commerce [♦]					
Public Utilities Commission [♦]					
<i>Total Appropriation</i>	\$2,640,588	\$2,747,906	\$2,818,204	\$2,845,262	2,846,326
<i>Expenditures</i>					
Emergency Management	\$995,249	\$1,237,811	\$1,154,488	\$1,066,648	\$1,020,904
Health	\$850,000	\$988,080	\$984,700	\$984,761	\$1,009,157
Environmental Protection	\$259,888	\$268,363	\$279,826	\$270,598	\$283,016
Agriculture	\$103,696	\$120,674	\$115,069	\$117,790	\$119,266
Commerce [♦]					
Public Utilities Commission [♦]					
Total Expense (Year-end Balance)	\$2,208,833	\$2,614,928	\$2,534,083	\$2,414,797	\$2,432,343

♦ Denotes agency does not receive funding from FENOC

AGENCY OVERVIEWS



OHIO DEPARTMENT OF AGRICULTURE

The Ohio Revised Code directs the Ohio Department of Agriculture (ODA) to protect the food supply as it relates to Food Safety and Animal Health. Additionally, the Code of Federal Regulations directs ODA to promote public safety involving nuclear power plant operations. ODA, in coordination with the United States Department of Agriculture (USDA) and the Ohio State University Cooperative Extension Service, estimates damage to crops and livestock from radiation incidents.

ODA maintains emergency response plans and monitoring programs in order to respond to and mitigate the effects of nuclear incidents. ODA coordinates procedures for the protection and recovery of livestock, poultry, crops, and from radiation effects. ODA reviews and maintains embargo and quarantine procedures for all affected food, agricultural commodities, and livestock within an affected area and for possible outlets for contaminated products.

If an incident occurs, ODA assesses and deals with problems impacting agriculture and its related industries. ODA, in coordination with the Ingestion Zone Recovery and Re-entry Advisory Group (IZRRAG) and the counties involved, determines affected target groups including farmers, food producers, distributors and processors in the ingestion exposure pathway and gives them emergency response information.

Nuclear Power Plant Emergency Planning

ODA attends monthly Interagency Radiological Preparedness (IREP) meetings, Nuclear Emergency Planning Advisory Committee (NEPAC) meetings and After Action Group meetings.

ODA continues to participate in the scheduled IZRRAG meetings to review and revise the Ohio Plan for “Response to Radiation Emergencies at Commercial Nuclear Power Plants” procedures and advisories in preparation for nuclear power plant training, exercises or related emergencies.

Other Related Items

The Ohio Agriculture Brochure was reviewed and updated in September 2014, and was distributed by ODA. The brochure is distributed to Ohio food producers, processors and distributors located within a ten mile radius of a nuclear power plant, and the brochure is made available to counties within a fifty mile radius of those plants. The brochure is also available electronically on the Ohio Department of Agriculture website and via links on URSB member agency sites.

ODA also participated in several WEB/EOC training at OEMA on for field sampling team members and for ODA senior management.

OHIO DEPARTMENT OF COMMERCE DIVISION OF INDUSTRIAL COMPLIANCE

The overall mission of the Ohio Department of Commerce (ODC), Division of Industrial Compliance is to serve Ohio by promoting the safety and soundness of our customer industries through an innovative and effective team of highly motivated employees. The Ohio Department of Commerce is one of the state's chief regulatory agencies. Commerce is different from most state agencies, since it must operate like a private business enterprise as opposed to being funded primarily by Ohio's General Revenue Fund dollars. The agency exists on the fees and assessments from the industries that it regulates.

URSB Involvement

ODC is a member of the Ohio Utility Radiological Safety Board (URSB). ODC is committed to help ensure nuclear safety for the citizens of Ohio by monitoring the Davis-Besse and Perry Nuclear Power Plants quality assurance programs.

Agency Specific Activities

During SFY15, ODC continually monitored the Davis-Besse and Perry Nuclear Power Plants In-service Inspection Program of Nuclear Power Plant Components. Chapter 4101:4-5 of the Ohio Administrative Code mandates this monitoring. In this chapter it refers to Section XI, Rules for In-service Inspection of Nuclear Power Plant Components, of the ASME Boiler and Pressure Vessel Code. This Section provides rules for the examination, testing, and inspection of components and systems in a nuclear power plant.

The rules of this Section constitute requirements to maintain the nuclear power plant and to return the plant to service, following plant outages, in a safe and expeditious manner. The rules require a mandatory program of examinations, testing, and inspections to evidence adequate safety. The rules also stipulate duties of the Authorized Nuclear In-service Inspector to verify that the mandatory program has been completed, permitting the plant to return to service in an expeditious manner.

The Owner of the nuclear power plant is assigned the responsibilities to develop a program, which will demonstrate conformance to the requirements of this Section. These responsibilities include: (a) Provision of access in the design and arrangement of the plant to conduct the examination and tests; (b) development of plans and schedules, including detailed examination and testing procedures for filing with the enforcement and regulatory authorities having jurisdiction at the plant site; (c) conduct of the program of examination and tests, system leakage and hydrostatic pressure tests, as well as in-service tests of pumps and valves; (d) recording of the results of the examinations and tests, including corrective actions required and the actions taken.

Duties of the Authorized Nuclear In-service Inspector are assigned by Section XI to verify that the responsibilities of the Owner and the mandatory requirements of this Section are met. Duties performed this past fiscal year by the Authorized Nuclear In-service Inspectors included: (a) witnessing of pressure tests; (b) reviewed nondestructive examination procedures and repair programs; (c) verified that the visual examinations and tests on pumps and valves had been completed and the results recorded.

Future Activities

The Department Staff will continue to monitor the In-service Inspection Programs of Davis-Besse and Perry Nuclear Power Plants, and will provide technical assistance to the URSB when questions arise regarding the requirements of ASME Section XI.

UTILITY RADIOLOGICAL SAFETY BOARD (URSB)

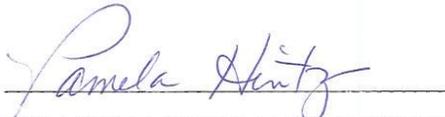
ANNUAL REPORT – FISCAL YEAR 2015

OHIO DEPARTMENT OF HEALTH

OFFICE OF HEALTH ASSURANCE and LICENSING

BUREAU OF ENVIRONMENTAL HEALTH and RADIATION PROTECTION

Prepared By:



PAMELA HINTZ, SENIOR HEALTH PHYSICIST

HEALTH PHYSICS SUPPORT SECTION

Reviewed By:



DAVID LIPP, SUPERVISOR

HEALTH PHYSICS SUPPORT SECTION

Approved By:



STEPHEN HELMER, PROGRAM ADMINISTRATOR

RADIOLOGICAL HEALTH and SAFETY

August 11, 2015

OHIO DEPARTMENT OF HEALTH

The Ohio Department of Health (ODH) is designated the Ohio radiation control agency in accordance with Ohio Revised Code 3748.02. The Ohio Department of Health Bureau of Environmental Health and Radiation Protection (ODH-BEHRP) provides support to the URSB through its statutory functions in matters of radiation protection. ODH-BEHRP serves as the lead state agency on all health physics and agreement state issues within Ohio, monitors the radiological performance of the nuclear power plants, provides emergency response personnel and dose assessment team leadership in the event of a radiological emergency, observes the evaluation of hospitals abilities to treat contaminated injured people, ensures radiological environmental monitoring outside of commercial nuclear power plant boundaries, and provides input for working groups.

Nuclear Power Plant Emergency Response Exercises

ODH-BEHRP staff regularly participates in nuclear power plant exercises. ODH-BEHRP participated in the September 2014 Perry Nuclear Power Plant (PNPP) evaluated exercises as well the May 2015 Davis-Besse Nuclear Power Station (DBNPS) evaluated exercises. ODH-BEHRP provided key personnel to the Executive Room and Dose Assessment Room, as well as liaison positions with the county, the utility, and the Joint Information Center. In preparation, ODH-BEHRP staff attended several training sessions as well as a web based annual training, including: plant-specific systems training, tabletop exercise, dose assessment training, and Field Monitoring Team training. ODH-BEHRP rotates staff members through different positions to broaden staff skills and allow flexibility in assigning response personnel.

MS-1 medical drills are routinely observed by ODH-BEHRP staff at designated hospitals inside the 10-mile Emergency Planning Zone. In this fiscal year, ODH-BEHRP staff observed no MS-1 exercises. The Perry Nuclear Power Plant MS-1 hospitals moved their MS-1 exercises to the next fiscal year therefore, no MS-1 exercises were conducted in fiscal year 2015.

Working Group Activities

ODH-BEHRP staff attended each of the monthly Inter-agency Radiological Emergency Preparedness (IREP) Working Group meetings, and the quarterly Nuclear Emergency Planning Advisory Committee (NEPAC) meetings. These meetings provide an opportunity to collaborate with URSB member agencies, as well as utility and local government representatives for planning purposes, resolution of common issues, and identification and tracking of corrective actions documented during exercise activities.

ODH-BEHRP regularly joins with other state agencies and First Energy Nuclear Operating Company (FENOC) in development and training activities. This fiscal year included support for the development of training videos, and attendance at the BVPS Offsite Agency Training Session (OATS).

Joint Inspection Observation Program (JIOP)

ODH-BEHRP staff participates with the United States Nuclear Regulatory Commission (NRC) in the Joint Inspection Observation Program (JIOP) inspections. Four JIOPs covering four topic areas were completed by ODH staff in the last 12 months. The details of the topics can be found in the URSB Joint Inspection Observation Program Section of this annual report. Findings from these inspections may be found on the NRC website.

Potassium Iodide (KI)

State of Ohio KI supplies expired in 2014. ODH received two batches of replacement KI, one for emergency workers and the other for the general public. The emergency worker KI expired in February 2014 and we received that batch in May 2014. It was distributed to the 10-miles emergency planning zone counties in July 2015 after the packaging was broken down and repackaged for distribution. The general public KI expired in October 2014 and was received in September 2014. The general public KI was distributed to the 10-mile emergency planning zone health departments in bulk during the month of October. The bags and inserts arrived just before Thanksgiving and were distributed in bulk to the same health departments the first week of December 2014.

Dose Assessment Activities

To advance our skills in dose assessment, one staff member attended the Turbo FRMAC training in Albuquerque, NM in May 2015. Information presented covered public protection, worker protection and ingestion pathway dose assessment.

Radiological Environmental Monitoring Activities

ODH-BEHRP staff performs offsite radiological environmental monitoring activities at the Davis-Besse Nuclear Power Station, Perry Nuclear Power Plant, and Beaver Valley Power Station. Surface water, potable water, bottom sediment, milk, fish, fruit, vegetable and air samples are collected by local health departments (under contract with ODH) and analyzed by the ODH Laboratory. All sample results indicated that radioactivity levels are at or near the Lower Limit of Detection (LLD) and well below the NRC release criteria.

During the past four quarters calibration verifications of each dry gas meter used for air sampling was performed. Equipment replacement included two vacuum pumps: one at Cleveland Burke Lakefront Airport and one at Port Clinton Water Works in Ottawa County. Routine maintenance continued to be performed on the rotary pumps in service. The inventory needs of each contractor continued to be met throughout the year as supplies necessary for the continued collection of samples were provided to the contractors. Environmental contractor audits for fiscal year 2015 were completed.

The draft ODH Annual Environmental Monitoring Report for 2014 is currently under review.

Other Related Items

A member of the ODH-BEHRP staff attended the FEMA Region V Scheduling Conference in October 2014. The conference featured speakers from FEMA Region V, FEMA Headquarters, NRC, and various states.

A member of the ODH-BEHRP staff attended the National Radiological Emergency Preparedness (NREP) Conference held in Sacramento, CA in April 2015. The conference featured speakers from Federal Emergency Management Agency (FEMA), Nuclear Regulatory Commission (NRC), Conference of Radiation Control Program Directors (CRCPD), Federal Drug Administration (FDA), Department of Defense/Department of Energy (DOD/DOE) and various states.

OHIO EMERGENCY MANAGEMENT AGENCY

The Ohio Emergency Management Agency (Ohio EMA) was established under Ohio Revised Code Chapter 5502.22 as a division of the Department of Public Safety. The mission of the Ohio EMA is to coordinate activities to mitigate, prepare for, respond to and recover from disasters. Phases of mitigation, preparedness, response and recovery are designed to minimize effects upon the population caused by all hazards. The agency maintains the State Emergency Operation Center (State EOC), data links to nuclear power plants, and multiple communications links to federal, state, and county organizations. The Ohio EMA implements federal and state policies and programs, and supports county emergency management agencies.

The Executive Director of Ohio EMA supervises the day-to-day operations of the agency's professional and technical support personnel and serves as the chair of the URSB.

The Ohio EMA is organized into three Divisions; Operations, Administration, and Regional Operations which work together to accomplish its mission. The Operations Division consists of the Radiological and Preparedness Branches. The Administration Division consists of: Fiscal, Preparedness Grants, Mitigation, Recovery, and Communications Branches. The Ohio EMA is responsible for Nuclear Power Plant incident response, accident assessment, instrument maintenance, training, planning, exercises and drills, utility, federal, and public interfacing and facilitation of the URSB. In addition, Ohio EMA continues to monitor activities relating to high level radioactive waste, and coordinates the transport of spent fuel and high level radioactive materials across Ohio.

Nuclear Power Plant Incidents

There were two classifiable events in SFY15 for nuclear power plants affecting Ohio.

- 1.) Davis-Besse Nuclear Power Station declared an Unusual Event under Emergency Action Level HU4 at 0935 EDT on Tuesday July 8, 2014 due to a single smoke detector inside containment that alarmed at 0925 EDT which could not be verified within 15 minutes. The State was notified through the OSHP Dispatch, who notified the Radiological Branch Chief and the Department of Public Safety HUB per procedures. Radiological Branch personnel monitored the dedicated line and made notifications to Ohio EPA and the Ohio Department of Health as well as updates to the Department of Public Safety. The smoke detector alarm cleared at 1006 EDT. A containment entry was performed and it was verified there was no fire. The event was terminated at 1328 EDT.

- 2.) Davis-Besse Nuclear Power Station declared an Unusual Event under Emergency Action Level HU4 at 1910 EDT on Saturday May 9, 2015 due to a steam leak in the turbine building which was reported by field operators at 1859 EDT. A rapid shutdown was initiated and the reactor was manually tripped at 1909 hours. OSHP dispatch contacted the Radiological Branch Chief, who contacted the Operations Administrator. The Operations Administrator performed notifications of Ohio EMA and DPS leadership while the Radiological Branch Chief performed courtesy notifications to the Ohio Department of Health and Ohio Environmental Protections Agency. The Radiological Branch Chief coordinated with representatives of the U.S. Nuclear Regulatory Commission and the utility to provide information to DPS leadership and the Governor's Office via conference call. The plant exited the Unusual Event at 2120 EDT.

Nuclear Power Plant Exercises and Drills

Ohio EMA is responsible for the coordination of state agency participation in nuclear power plant exercises. These exercises can take the form of small communications tests involving only state and county EMAs to major federally evaluated exercises.

There were two FEMA evaluated exercises in SFY2015.

The Perry Nuclear Power Plant biennial FEMA Evaluated Exercise was held the week of September 22, 2014 with activities in Columbus, and in Lake, Geauga, and Ashtabula counties. On Tuesday September 23, personnel responded to the State Emergency Operations Center in response to a simulated attack on the Perry Nuclear Power Plant, or Hostile Action Based (HAB) Drill. On Wednesday September 24, State Field Monitoring Team (FMT) activities were conducted including; plume location traversals, air sampling, and the transfer of radiological samples from the monitoring team, to a courier, to a State Sample Screening Point, which collects the samples then ships them to radiological labs for analysis.

Lake, Geauga, and Ashtabula Counties participated in the activities on the 23rd with local response to the Emergency Operations Centers in Lake, Geauga and Ashtabula counties, and a near-site Incident Command Post. The counties also facilitated numerous out of sequence activities at multiple locations throughout the week.

Results from FEMA were that all open issues from past exercises were successfully re-demonstrated and that there were no new findings for either the State of Ohio or the three counties.

The Davis-Besse Nuclear Power Plant biennial FEMA Evaluated Exercise was conducted the week of May 4, 2015 with activities in Columbus, and in Ottawa and Lucas Counties. On Tuesday May 5, the State Emergency Operations Center was fully activated and evaluated in response to a simulated attack on the Davis-Besse Nuclear Power Station. On Wednesday May 6, State Field Monitoring Team (FMT) activities were conducted.

Ottawa and Lucas Counties participated in the activities on the 5th with response to the Emergency Operations Centers in Ottawa and Lucas Counties, and successfully demonstrated numerous out of sequence activities at multiple locations throughout the week.

The only formal finding for the state was a planning issue relating to inconsistencies between the state plan and county procedures regarding turn back values, and an incorrect statement related to when potassium iodide would be ingested by state personnel. There were no findings for Ottawa or Lucas Counties.

Drills

Ohio EMA participated with applicable counties in the following integrated drills:

- Perry Nuclear Power Plant:
 - July 23, 2014
 - August 27, 2014
 - September 10, 2014 HAB Dry Run
 - September 23, 2014 HAB Evaluated Exercise
 - June 17, 2015
- Beaver Valley Power Station:
 - August 7, 2014
 - October 9, 2014
 - November 20, 2014
 - December 17, 2015 HAB Table Top with FEMA and state agencies
 - February 26, 2015
 - June 17, 2014 HAB Evaluated Exercise
 - April 16, 2015
- Davis-Besse Nuclear Power Station
 - August 19, 2014
 - October 14, 2014
 - November 12, 2014
 - February 3, 2015 HAB Table Top Exercise
 - February 24, 2015
 - March 24, 2015 HAB Dry Run
 - May 5, 2015 HAB Evaluated Exercise
- Field Monitoring Team Drills
 - March 4, 2015 FMT Training including sampling.
 - March 25, 2015 – FMT Dry Run
 - May 4, 2015 FMT Evaluated Exercise.

Radiological Instrumentation Maintenance and Calibration

On September 18 and 19, 2014 the radioactive sources used in the Radiological Instrument Maintenance & Calibration (RIMC) Laboratory's gamma range were replaced giving the range the ability to test into the upper limits for some of the newer radiation detectors, while staying within the limits of our materials license. This will effectively extend the lab's capability for another 20 years and allow it to be used in calibration of more instrumentation.

March 10 and 11, 2015 saw contract evaluators of the National Institute of Technology (NIST) at the RIMC laboratory to assess the calibration program's compliance with international standards via the National Voluntary Laboratory Accreditation Program (NVLAP). The evaluators identified a single non-conformance, noting that procedures needed to be updated to reflect changes in process which had been implemented. The evaluators were impressed by the RIMC's filing and invoice systems which allowed for quick retrieval of complete customer files and calibration documentation.

FEMA Region V Scheduling Conference

Peter Hill attended a Conference held in Chicago Illinois on October 15-17, 2014. The primary agenda topics were the proposed changes to NUREG 0654/FEMA REP 1, and the expectations of the new Radiological Assistance Committee (RAC) Chair Mr. Sean O'Leary. Peter Hill presented Ohio's best practices with Pam Hintz of ODH. The dates of upcoming exercises were confirmed or rescheduled in light of the new requirements captured in the new planning manual.

National Radiological Emergency Preparedness Conference (NREP)

Peter Hill attended the National REP Conference April 26-30, 2015 in Sacramento, CA. He also attended a pre-conference training LN-150, the next step to becoming a Federal Radiological Monitoring and Assessment Center (FRMAC) liaison, he had previously completed LN-100. Mr. Hill participated in FEMA REP Disaster Initiated Review training as well as various workshops and discussions.

Emergency Planning

The 2015 State REP Plan revision was submitted to FEMA for review in January 2015, and was given FEMA approval in April. Cheryl Chubb completed a total re-write utilizing a new formatting tool that helps to organize information making it quicker and more logical to access. In addition to the state plan, the plans for counties were submitted along with their supporting Standard Operating Procedures. Ohio EMA Radiological branch is currently revising procedures and forms utilizing this same format.

Common Dose Assessment

Peter Hill of Ohio EMA and Hal Szklinski of FENOC attended the MIDAS Users Group Meeting June 2-3, 2015 in Denver, Colorado and presented on how FENOC's Beaver Valley Power Station is working with the State of Ohio to adopt the newest revision of MIDAS utilizing multi-accident capabilities. They met with MIDAS software users from throughout the industry to share ideas, issues, and potential improvements with each other and the software developers from ABS Consulting.

Peter Hill and Cheryl Chubb continued their training as FRMAC Assessment Scientists with continuing education quarterly with the Department of Energy's Emergency Operations Training Academy. Maintaining TurboFRMAC certification will enable the State of Ohio to integrate with the FRMAC scientists in the event of an incident.

OHIO ENVIRONMENTAL PROTECTION AGENCY

The Ohio Environmental Protection Agency (OEPA) regulates emissions to the environment to ensure clean air, clean water, and the proper disposal of solid and hazardous waste, and enforces management standards in order to protect Ohio citizens and the environment. With regard to the URSB and nuclear power operations, Ohio EPA is charged with applying these standards to the nuclear power plants in Ohio. As the plants are large industrial complexes, OEPA routinely monitors the permitted discharges of the nuclear power plants to ensure compliance with all regulated pollution standards.

The nuclear plants are permitted under the National Pollutant Discharge Elimination System, hazardous waste rules, Air permitting, and chemical storage. Ohio EPA divisions receive regular reports from the nuclear plants on these activities and track their performance as with other industries. In addition, OEPA also receives monitoring reports from the plants and from offsite drinking water intakes around the plant to ensure there is no contaminant migration off the plant site in the ground water.

During nuclear power plant exercises, or in the event of an actual incident involving the release of radioactive material, Ohio EPA has a Radiological Assessment Team (RAT) that has trained to collect environmental samples in affected areas, and who will also take samples in non-affected areas to ensure that the full extent of any contamination is fully understood. These environmental samples, in conjunction with samples collected by other agencies will be analyzed and evaluated. Ohio EPA maintains staff at the State Emergency Operations Center who can provide technical expertise to evaluate these samples and advise local officials and state policy makers regarding the appropriate actions to be taken to protect the public health and well-being.

Ohio EPA participates in power plant evaluated exercises with other state agencies. In SFY 2015 there were two evaluated exercises in which Ohio EPA participated. Both of these were Hostile Action Based (HAB) exercises. There is no radioactive release required in a HAB exercise; so the Ingestion plan was not exercised, and the Ohio EPA field teams did not deploy for any exercise. Other training activities did occur.

Ohio EPA normally provides training for the Radiological Assessment Team (RAT) several times a year. This group provides environmental sampling for the Ingestion Zone Reentry and Recovery Advisory Group (IZRRAG).

OHIO EPA participated in the following training events:

August 8, 2014, Perry Systems Training

September 23, 2014, Perry Full Scale HAB Exercise

December 17, 2014, FEMA Table Top Exercise

March 3, 2015, Davis-Besse Systems Training

May 5, 2015, Davis-Besse Full Scale HAB Exercise

June 4, 2015, RAT Essentials Training

June 18, 2015, Division Chiefs REP Plan Awareness Training

PUBLIC UTILITIES COMMISSION OF OHIO

The Public Utilities Commission of Ohio (PUCO) works to assure all residential and business consumers access to adequate, safe and reliable utility services at fair prices, while facilitating an environment that provides competitive choices. The PUCO regulates transportation, electric, natural gas, telecommunications and water/wastewater companies operating in the State of Ohio. The PUCO Transportation Department is responsible for enforcing state and federal motor carrier and rail safety requirements within the state of Ohio.

Transport of Radioactive Materials – PUCO Regulatory Responsibilities & Capabilities

The Governor has designated the PUCO as the state’s routing agency for radioactive materials and spent nuclear fuel. The PUCO Transportation Department is responsible for the enforcement of federal and state regulations governing the highway and railroad transport of hazardous materials, including radioactive materials. The Transportation Department staff includes fifteen Hazardous Materials Specialists and three supervisors trained to standards prescribed by the United States Department of Transportation (US DOT), the Federal Motor Carrier Safety Administration (FMCSA) and the Commercial Vehicle Safety Alliance (CVSA).

These personnel are certified to conduct inspections of Highway Route Controlled Quantities of radioactive materials shipments using the CVSA Level VI, North American Standard (NAS) Inspection for Radioactive Shipments. The Level VI inspection procedure is limited to radiological shipments and includes inspection procedures of the US DOT/CVSA NAS Level I inspection. The Level VI inspection procedures include US DOT radiological requirements and stringent “out-of-service criteria” for trucks transporting the materials. CVSA Level VI inspections include close examination of the driver, the vehicle, and the radioactive materials packaging and cargo.

Radioactive materials shipments that are not examined under the Level VI process are inspected using the North American Standard Level I procedures. The Federal Motor Carrier Safety Administration requires all Highway Route Controlled Quantities of Class 7 materials pass a CVSA Level VI inspection as specified in 49 CFR 385.415(b)(1).

Several PUCO Transportation Department personnel are certified by the US DOT Federal Railroad Administration (FRA) to inspect rail shipments of radioactive materials. Along with checking for compliance with the US DOT Hazardous Materials Regulations, these PUCO personnel are also FRA certified to inspect rail equipment, track, and operating practices.

PUCO personnel often work closely with Ohio EMA and ODH personnel to coordinate and conduct inspections of high level and special interest radioactive materials shipments. This includes radioactive industrial sources, shipments of radioactive waste. PUCO personnel inspect and escort all US DOT regulated Highway Route Controlled Quantities (HRCQ) and as applicable Quantities of Concern (QC) shipments that enter or travel through Ohio.