

UTILITY RADIOLOGICAL SAFETY BOARD OF OHIO
MEETING MINUTES
OCTOBER 11, 2011

Ms. Nancy Dragani, Ohio Emergency Management Agency, called to order the October 11, 2011 meeting of the Utility Radiological Safety Board at 1:30 p.m.

The first order of business from the agenda was the roll call taken by the URSB Secretary, Tess Pelfrey.

I. ROLL CALL

EMERGENCY MANAGEMENT AGENCY
DEPARTMENT OF HEALTH
DEPARTMENT OF AGRICULTURE
PUBLIC UTILITIES COMMISSION
ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF COMMERCE

MS. NANCY DRAGANI
MR. MICHAEL SNEE
MR. CHUCK KIRCHNER
MR. DAN FISHER
MS. CINDY HAFNER
MR. DEAN JAGGER

A quorum was declared.

II. READING OF THE JULY 11, 2011 MINUTES

The board dispensed with the reading of the July 11, 2011 minutes. Director Dragani asked for any additions, corrections or deletions to the minutes. Director Dragani asked for a motion to approve the minutes. Mr. Michael Snee of the Department of Health moved to adopt the minutes and Mr. Dan Fisher of the Public Utilities Commission seconded. The motion carried.

III. OLD BUSINESS

A. Updated Status of the URSB Initiatives

Mr. Michael Bear of the Ohio Emergency Management Agency and Mr. Steve Helmer of the Department of Health reviewed the URSB initiatives, including the Perry Nuclear Power Plant Cross-Cutting Issues, After Action Plan Activities, IZRRAG Activities, Reactor Oversight Program, Technology, State Dose Assessment, KI, REP Guidance and NRC Rulemaking, Procedural Review, and JIOPs.

Director Dragani asked if there was an approximate timeline for when the public workshops would be held that would discuss the implementation of the new rules. Mr. Bear replied that Mr. Dwaine Warren of FEMA, would have some information on this in his report.

B. Midwestern Committee Report

Mr. Michael Snee reported that the Midwestern Radioactive Materials Transportation Committee has not met since the last URSB meeting. The next meeting will be held in December in Carlsbad, New Mexico.

IV. NEW BUSINESS

A. URSB Working Group Quarterly Reports

Each of the participating URSB Working Group agencies provided a report of their respective state agency activities. Each agency's report is available upon request from the URSB Secretary.

B. Nuclear Regulatory Commission

Mr. Herral Logaras of the Nuclear Regulatory Commission reported on the following topics: oversight of the FENOC Plants, Update on the Davis-Besse License Renewal and Status of Emergency Preparedness Rulemaking.

Mr. Logaras's report to the Board is attached at the end of the Board-approved minutes.

C. Federal Emergency Management Agency

Mr. Dwaine Warren of the Federal Emergency Management Agency, Region V, provided a FEMA Region V on the following topics: FEMA Region V Update, Status of New Offsite Emergency Preparedness Rules, Radiological Emergency Preparedness Program manual, and the Region V Scheduling Conference.

D. Utility Reports

Mr. Fred Cayia, Director of Fleet Performance Improvement for FENOC, attended the meeting with Mr. Rick Collings. Mr. Collings of First Emergency Nuclear Operating Company provided the utility report updates on:

1. Beaver Valley Power Station
2. Davis-Besse Nuclear Power Station
3. Perry Nuclear Power Plant
4. FENOC

Specific topics of discussion included the BVPS siren replacement update, the DBNPS license renewal status and the reactor head replacement update, the PNPP status of cross-cutting areas of human performance and the NRC mid-cycle performance review letter, degraded cornerstone column. Specific topics of discussion for FENOC included the common dose assessment update, an e-data update, WebEOC and the new emergency operations facilities/technical support centers.

Mr. Collings reported to the Board is attached at the end of the Board-approved minutes.

V. MISCELLANEOUS

A. Rotation of the URSB Statutory Meeting

At the last meeting, the idea of rotating the site of the URSB meetings was discussed. The first meeting of the year would be held at Ohio EMA in Columbus, and the other three meetings would rotate to the three power plant areas in order to generate more public input for the meetings and give plant personnel the change to attend the meetings. Mr. Ricky Collings said that the new EOF's could accommodate the meetings with room space and technology needs. The EOFs are off-site, so security into plant areas would not be an issue, and FENOC would be glad to let the URSB use the facilities, except for BVPS, of which we would need to find a location in Ohio. Other state buildings (DOT regional offices, OSHP, EPA buildings) could be available for use. These meetings would need to be open to the public, so the location would have to be a public building. The Board was in agreement that there is great value in holding these meetings closer to

the power plant areas. FENOC personnel also said that they would be glad to set up a tour for state agency staff members. It will need to be very clearly apparent in the public notice of each meeting that the meeting location will not be at EMA and clearly indicate where the meeting will be. Once we identify where we will go, local county officials and local media should be contacted to publicize the meeting. All Board members would need to physically be at the location where the meeting is being held-the quorum has to be present personally. If Board members participate by teleconference, their vote would not count. However, teleconference capabilities will be available for others to participate.

B. 2012 Meeting Dates

The URSB January meeting was originally scheduled for January 9th. However, FEMA's scheduling conference will be held starting on January 9th, which will most likely be a travel day. The meeting will be moved to January 17th. The subsequent 2012 URSB Statutory meeting dates are: April 9, July 9 and October 9.

C. Approval of the URSB Annual Report

The Annual Report was sent out via e-mail to the Board members last week. Mr. Michael Snee asked if there were any corrections, deletions or any problems noted.

Mr. Michael Snee, Ohio Department of Health, asked for a motion to approve the URSB Annual Report. Mr. Dean Jagger of the Department of Commerce motioned to approve the report and Ms. Cindy Hafner seconded. The motion carried.

One item of new business was noted. Tammy Little, Legal Representative for the URSB, introduced Ms. Hilary Damaser, Senior Assistant Attorney General, who will take Ms. Little's seat on the Board for future meetings. Ms. Damaser's e-mail address is Hilary.damaser@ohioattorneygeneral.gov and her phone number is 614-466-2980.

VI. ADJOURNMENT

Mr. Michael Snee, Ohio Department of Health asked if there was a motion to adjourn the meeting. Mr. Chuck Kirchner, Ohio Department of Agriculture, motioned to adjourn the meeting, and Mr. Dan Fisher of the Public Utilities Commission of Ohio seconded. The motion carried. The meeting was adjourned at 3:45 p.m.

Nuclear Regulatory Commission Report

Ohio Utility Radiological Safety Board Meeting October 11, 2011

Good Afternoon, I am Herral Logaras, U. S. NRC Government liaison with NRC Region-III. I am filling in today for Allan Barker who is on an assignment for the Agency in Virginia. Today I will update the board on the NRC oversight activities at Beaver Valley, Davis-Besse, and Perry. In addition, my report will include updates on Davis-Besse License Renewal and Status of NRC's Emergency Preparedness Rulemaking.

BEAVER VALLEY POWER STATION UNITS 1 AND 2

As reported in the September 1, 2011, Mid-Cycle Assessment Letter, Beaver Valley plant performance remains within the Licensee Response Column of the NRC Action Matrix. This was based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, the NRC plans to conduct baseline reactor oversight process inspections.

Selected upcoming inspections from the 2011/2012 inspection schedule were identified.

DAVIS-BESSE NUCLEAR POWER STATION

In the September 1, 2011, assessment letter, the NRC determined the plant performance for the most recent quarter remains within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level (Green) requiring no additional NRC oversight. Therefore, we plan to conduct baseline reactor oversight process (ROP) inspections at Davis-Besse.

Selected upcoming inspections from the 2011/2012 inspection schedule were identified.

DAVIS-BESSE LICENSE RENEWAL

NRC License Renewal Environmental audit and the Safety audits for scoping and screening and the aging management program have been conducted. The remaining process for completing these audit reports involves dialog between the NRC and the licensee with NRC requesting additional information and continuing review and analysis. The issuance of the supplemental draft environmental impact statement is projected for October 2011. The following link is for viewing the status of Davis-Besse license renewal on the NRC public web site.

<http://www.nrc.gov/reactors/operating/licensing/renewal/applications/davis-besse.html>

PERRY NUCLEAR POWER PLANT

The NRC's current summary of performance for Perry reflects a change from the reactor oversight process (ROP) Regulatory Response status to the status of Degraded Cornerstone. This will result in additional NRC inspections of licensee activities and programs.

The NRC reported this outcome in the September 1, 2011 letter, after completing the mid-cycle performance review of the Perry Nuclear Power Plant. (This review included the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2010, through June 30, 2011.) On August 25, 2011, the NRC issued the "Final Significance Determination of White Finding" regarding a White finding in the Occupational Radiation Safety Cornerstone. The September 1, 2011 letter provides the NRC's assessment of Perry's performance during the period of July 1, 2010, through June 30, 2011, as a result of our August 10, 2011, assessment and our re-assessment following the issuance of the August 25, 2011, Final Significance Determination letter, and our plans for future inspections.

The NRC determined the performance at Perry Nuclear Power Plant during the most recent quarter was within the Degraded Cornerstone Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because of the finding having a low-to-moderate safety significance (i.e., White) and the Occupational Exposure Control Effectiveness performance indicator crossing the Green-to-White threshold (i.e., greater than two counted occurrences during a four quarter period). The finding and the performance indicator are both in the Occupational Radiation Safety Cornerstone focus area. The White finding occurred in the second quarter of 2011 and involved performance related to under vessel work to remove and replace a highly radioactive reactor core sensor. For the performance indicator, one occurrence was in the fourth quarter of 2010, and three occurrences were in the second quarter of 2011.

The NRC plans to conduct, in addition to other inspections, a supplemental inspection in accordance with Inspection Procedure (IP) 95002, "Supplemental Inspection for One Degraded Cornerstone or Any Three White Inputs in a Strategic Performance Area."

In addition to the ROP baseline and IP 95002 inspections, NRC inspections are planned for Temporary Instruction (TI) 2515/177, "Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems"; Independent Spent Fuel Storage Installation (ISFSI) Inspections: IP 60854.1 "Preoperational Testing of ISFSIs at Operating Plants"; IP 60855.1, "Operation of an ISFSI at Operating Plants"; IP 60856.1, "Review of 10 CFR 72.212(b) Evaluations at Operating Plants"; and IP 92702, "Followup on Corrective Actions for Violations and Deviations." The NRC also plans to conduct an additional IP 71152B, "Problem Identification and Resolution," inspection as authorized by Inspection Manual Chapter (IMC) 0305, "Operating Reactor Inspection Program," Section 10.02.c.5. Perry's history of past problems with returning to the Licensee Response Column of the Action Matrix during the period

of the third quarter of 2003 through the second quarter of 2008 combined with Perry's continued ineffectiveness at addressing NRC-identified cross-cutting issues for the past eight assessment periods, have indicated the need for the NRC to more frequently inspect processes for identifying and resolving issues.

Performance at the Perry Nuclear Power Plant during the assessment period continued to exhibit weaknesses in the area of human performance. This issue would remain open until the number of findings in these areas is reduced and the NRC determines through inspection that implementation of effective corrective actions that result in sustained performance improvement in the human performance area. On June 7, 2011, the licensee advised the NRC that more time was needed to prepare for this inspection and requested rescheduling until later in 2011. As a result, the NRC asked for a written statement of readiness for this inspection. This assessment period is the eighth consecutive assessment period identifying a substantive cross-cutting issue in the human performance area first opened in our March 3, 2008, end-of-cycle assessment letter.

Selected upcoming inspections from the 2011/2012 inspection schedule were identified.

NRC'S EMERGENCY PREPAREDNESS RULEMAKING

The NRC is in the final stages of Emergency Preparedness (EP) rulemaking. The final rule package was approved by NRC's Executive Director for Operations (EDO) and submitted to the NRC Commissioners in April. In developing and finalizing the rule, NRC EP staff, working closely with staff from the Federal Emergency Management Agency (FEMA), gathered public comments from seventeen public meetings and through a lengthy public comment period. During the winter of 2011-2012, NRC and FEMA will hold public forums in each of the NRC regions to present the final rule and guidance documents and to answer questions about implementation. Details of these forums will be announced in the coming weeks.

First Energy Nuclear Operating Company Report

- 1) Beaver Valley Power Station

a) Siren Replacement Update

The siren project at Beaver Valley was completed in late September, 2011. 30 sirens (including new poles, control boxes and radios) were replaced. 28 existing upgraded sirens had battery backup added to them. This results in upgraded siren and battery backup for all 120 Beaver Valley sirens. A Siren Design Report change is in process to move Beaver Valley to a weekly siren test (fleet standard) from a quarterly test.

2) Davis-Besse Nuclear Power Station

a) License Renewal

Petitioners associated with License Renewal have submitted additional contentions regarding post-Fukushima concerns; these contentions are under review by the Atomic Safety and Licensing Board. The NRC began drafting the License Renewal Safety Evaluation Report and the Draft Site-specific Environmental Impact Statement. Issuance of these documents are anticipated in the first quarter of 2012.

b) New Areva Reactor Head

The new Davis-Besse Reactor Vessel Integrated Head Assembly is in final preparations for the move from the Temporary Assembly Building, where it has been being assembled for the last several months, to the Containment Building for placement on the Reactor during the Reactor Head Replacement mid-cycle outage which began October 1. Pre-outage activities have been completed and the outage activities are currently well underway with one of the major outage project activities being to establish an opening into the Containment Building to allow for the move of the new Reactor Vessel Head in and the old one out. The storage facility for the old Reactor Vessel Head and eventually the Steam Generators is near completion and ready to accept the old Reactor Vessel Head for storage.

3) Perry Nuclear Power Plant

a) The Perry's Mid-Cycle Performance Assessment letter from the NRC, continued the Substantive Cross-Cutting Issues (SCCI). The NRC has changed its procedure and now considers each theme a separate SCCI. The continuing issues are in the areas of work planning and documentation/procedures. Those areas have corrective actions in progress based on earlier Condition Reports. Progress is being tracked and evaluated by both internal and external peer assessments.

A supplemental inspection by the NRC to evaluate actions taken to resolve the long-standing SCCIs is expected to be conducted before the end of 2011.

b) The white performance indicator and a white finding in the Occupational Radiation Safety Cornerstone, resulted in Perry's performance moving to the Degraded Cornerstone column of the NRC's Reactor Oversight Program (ROP) Action Matrix. The issues occurred during

Perry's refueling outage earlier this year. Under the ROP, the NRC is expected to conduct a supplemental inspection to review the root causes and corrective actions for the individual events and the events collectively, using NRC Inspection Procedure 95002, "Supplemental Inspection for One Degraded Cornerstone or Any Three White Inputs in a Strategic Performance Area." Perry has preliminarily targeted the end of March 2012 for conduct of the inspection, pending the completion of readiness actions and closure reviews, and concurrence with the NRC on the inspection schedule.

c) A coordinated site response has been initiated to prepare for the supplemental inspection in human performance and for the 95002 inspection. A dedicated team is facilitating the site focus on the actions needed to close the SCCIs and prepare for the inspections. Where appropriate, consultant and industry peer experts are participating in the response actions, as well as providing critical review of the site's efforts and progress. In addition to the root cause evaluation and corrective actions, improvement-focused 95002 action plans are being implemented to create near-term focus on plant operational performance, human performance, radiological controls performance, and readiness for NRC baseline and other inspection activity. These 95002 action plans will augment six wider-scope site action plans driving long-term sustained performance improvement in the areas of equipment reliability, outage improvement, clearance program implementation, organizational effectiveness, in addition to radiological protection and human performance.

4) FENOC

a) Common dose assessment update

FENOC ERS personnel have supplied raw data from the current dose assessment software programs to the contractor. They are assimilating the data and migrating it into the new MIDAS software. Ongoing actions include:

- Development of a single fleet level procedure to implement MIDAS software (NOP-LP-5007).
- FENOC is obtaining information from OEMA and PEMA on 10 EPZ EPRA boundary lines for FENOC nuclear facilities.
- IT Business Analyst working on integration links to auto populate the program from site computers.
- Work to finalize a common/standard FENOC follow-up/periodic notification form.

b) E-data update

- Beaver Valley – Unit 1 and 2 actual plant data continues to be available live time. Unit 1 and 2 simulator data has been networked and the web pages are in testing on FENOC's Developmental Server. Additional plant data points are needed to support automatic population of new MIDAS dose projection program. Those points have been identified, networked (required a modification) and are being added by Information Technology. Testing will begin shortly with the goal of moving the simulator data to production to support the November drill.

- Davis-Besse – Simulator is available during drills and exercises. Plant data is networked. Working to provide data to the Developmental server for testing. Changes to simulator and actual plant data screens (3 points) are being made at the same time. Davis-Besse will be delayed while additional equipment (data servers) are added along with other cyber security devices. Project them to be available in early 2012.
- Perry – Live plant data remains available as does the simulator data for drills and exercises.

c) WebEOC

FENOC has developed the following elements of WebEOC:

- Single site priority board
- Initial Notification and Follow up Notification form boards
- EOF, TSC, OSC and JIC task boards (tracks actions to support over all site priority board items).

The products are in final testing prior to being presented to the stations for use by the ERO members. Feedback will be obtained and incorporated into changes (if needed). The final products will go live when the new EOF's are put into service in early 2012. The tool will be available for the Beaver Valley Evaluated Exercise.

d) New Emergency Operations Facilities/Technical Support Centers

The three facilities are well under construction. Drywall is being installed at the Perry and Beaver Valley buildings. Davis-Besse is progressing at risk. Working with Ohio EPA to get final approval of the sanitary system. Review cycles are longer than expected and that is causing some delays. Equipment for the facilities is either delivered or on order with delivery dates to support the schedules.