

**UTILITY RADIOLOGICAL SAFETY BOARD OF OHIO
MEETING MINUTES
OCTOBER 14, 2008**

Mr. Mel House, Operations Division Director called to order the October 14, 2008 meeting of the Utility Radiological Safety Board of Ohio at 1:30 p.m. at the Davis-Besse Administration Building/Education Center. Mr. House thanked FirstEnergy for the tour of the facility and their hospitality.

The first order of business was roll call, taken by Ramona Hauenstein.

I. ROLL CALL

EMERGENCY MANAGEMENT AGENCY	MR. MEL HOUSE
DEPARTMENT OF HEALTH	MR. ROBERT OWEN
DEPARTMENT OF AGRICULTURE	MR. ANTHONY MITCHELL
PUBLIC UTILITIES COMMISSION	MR. DAN FISHER
ENVIRONMENTAL PROTECTION AGENCY	MS. SHANNON NABORS
DEPARTMENT OF COMMERCE	MR. DEAN JAGGER

A quorum was declared.

II. READING OF THE JULY 7, 2008 MINUTES (ADOPTED)

Mr. Robert Owen of the Department of Health (ODH) moved to dispense with reading of the July 7, 2008 minutes and Mr. Anthony Mitchell of the Department of Agriculture (ODA) seconded. Mr. House asked for any additions, corrections or deletions to the minutes. Mr. Higaki of FirstEnergy informed the Board of several changes that needed to be made. Mr. House asked for a motion to approve the July minutes as revised. Mr. Dan Fisher of the Public Utilities Commission (PUCO) moved and Mr. Owen seconded. The motion was carried.

III. OLD BUSINESS

- A. Ms. Carol O’Claire reviewed the Working Group initiatives led by Ohio Emergency Management Agency (EMA). The final exercise report for the Beaver Valley exercise held in June was received. The Perry exercise was held on October 7 and the critique for players and the public were held on the 11th. The preliminary indications are there are no Deficiencies or Areas Requiring Corrective Action (ARCA’s) for the state. There is one planning issue. There were no Deficiencies and two ARCA’s for the counties. The previous ARCA’s were redemonstrated and cleared.

The Reactor Oversight Matrix was reviewed.

An After Action Meeting will be held November 5. We hold these after every exercise to address issues that came up during the exercise.

IZRRAG training will continue to be conducted annually with a table-top exercise being conducted every odd year. IZRRAG training will be conducted on November 7, 2008 with the next ingestion exercise in 2012 for the Perry Plant.

Under plant oversight, Perry plant has returned to column one (normal oversight) of the NRC Reactor Oversight Program (ROP) Matrix as of July 1, 2008.

Davis-Besse is in year 5 of a 5 year commitment which includes operational performance, corrective action program, engineering program effectiveness, and organizational safety culture. An additional effectiveness review will be conducted in January, 2009. Upon successful completion of the 2009 review, it is anticipated that the Confirmatory Order will be closed. Davis-Besse continues to be in column one of the NRC matrix.

Beaver Valley remains in column one of the matrix.

FENOC attended the Beaver Valley 2006 exercise to evaluate state dose assessment needs. Currently there is no plant data link from Beaver Valley to the state EOC. Ohio is currently pursuing resolution of this issue with West Virginia and Pennsylvania. FENOC is currently developing a web-based system to provide plant data for all FENOC sites to the State EOC. State personnel received training from Perry plant personnel on the E-Data system in August. The E-data system was utilized during the dry run and will be utilized during the exercise with the Perry plant.

Teletrix equipment has been purchased for training of Field Monitoring Teams (FMT). The Teletrix Plume Tracker (now called Virtual Plume) systems were used successfully in conjunction with the BVPS dry run conducted on June 3, 2008. The units will be used for FMT demonstration during the PNPP dry run and evaluated exercise. One additional unit is scheduled for purchase in FY 2009.

Ludlum Model 3 portable survey meters have been purchased to replace CDV-700RP. The Ludlum Model 3s are currently being calibrated. 2500 pocket ion chambers, model 730, have been received to replenish dosimetry available for emergency workers. EMA will provide FENOC with a 5-year plan to upgrade CDV equipment.

The URSB Working Group is still awaiting the final report on the Comprehensive Reviews completed in 2007. Mr. Higaki will attempt to get the status of these reports.

Mr. Stephen Helmer of the ODH updated the Board on the status of the initiatives led by Health. The E-data system from FENOC is a significant improvement. On the KI issue: The NRC has called and indicated that they still had the order from ODH so ODH is expecting a new supply of KI to replace the KI which expires in May of 2009 within a couple of weeks. There will be approximately 711,000 pills to be in stock fairly soon. The next step is to contact the county emergency management agencies and departments of health (via teleconference)

to let them know that the KI is available. They should have more information on the distribution at the next meeting.

Mr. Mitchell reported that the Department of Agriculture had completed the 2008 revision of the Agriculture Brochure and distributed 250 of them.

A hostile action drill for the Davis-Besse plant is scheduled to be conducted on November 13, 2008; the tabletop exercise will be October 16. The Beaver Valley hostile action drill is scheduled for January 27, 2009 with the tabletop on December 16.

B. Midwestern Report

Mr. Owen reported that there has been no meeting of the Committee; however, there have been some relevant actions that the Board needs to be aware of:

Yucca Mountain Update

On September 8, the NRC staff completed an initial examination of the license application and determined that it contained sufficient information to meet the requirements for 10 CFR 2.101 and 63.21 and 63.21, so it was docketed. This initiates the three-year peer review per Nuclear Waste Policy Act (NWPA).

The WPA also requires the NRC to adopt “to the extent practicable” DOE’s own environmental impact statement on the Yucca Mountain repository. Further supplementing will be necessary to bring DOE’s analysis on the impacts on groundwater up to the point of being “adequate.”

On August 5, DOE released its revised estimate of the total system life-cycle cost for building and operating a repository at Yucca Mountain. The new estimate of \$96.2 billion represents a jump of 38 percent over the 2001 estimate of \$47.5 billion. The total estimated cost of the transportation program is \$19.5 billion. By comparison, the cost of the Midwest’s cooperative agreement from its inception in 1989 through the first 10 years of shipments would come to approximately 0.04 percent. The cost of good working relationships with states appears to be a bargain.

Routing for Transuranic Waste Small Quantity Shipments

A working group of certain committee members and state agency representatives reviewed the proposed routing for DOE small quantity transuranic waste shipment from select sites through the Midwest to Idaho National Laboratory. Conference calls on July 31 and August 26 enabled the committee to propose routes that had the least impact on the general population within the Midwestern states. This was submitted to William Mackie, Manager of Institutional Programs, at the DOE Carlsbad Field Office. It was required that DOE consider the Midwest’s preferences upon beginning the route selection process.

Key OCRWM-Related Issues

The committee has embarked on identifying key transportation issues that need to be addressed by the region during FY 09. The key issues as listed in a table are transportation plan, transportation implications of storage solutions, NRC regulation of transportation, and preemption of state laws, rail shipments and routing. For each issue there is a description, comments and activities for FY 09. In addition, there were other open issues remaining: Section 190(c), regional planning process, and winter shipments. Issues that are considered closed are barge shipments and mode selection.

Midwestern Planning Guides

Revision 3 of the *Midwestern Planning Guide for Shipments of Radioactive Material through the Midwestern States* was completed in August. The planning guide is the region's compilation of best practices for shippers of radioactive waste and materials through the Midwest. In addition to updating state-specific information, the revision revises the recommended practices based on the states' desire to see the establishment of a national, reciprocal system for inspecting rail shipments of radioactive waste. The revised practices also incorporate the Office of Environmental Management's newly improved procedures for notifying and reporting to states on transportation incidents involving shipments.

IV. NEW BUSINESS

A. Annual Report

Draft copies of the URSB Annual Report were previously sent to the Board members through their Working Group representatives for review. This motion is to approve the language of the report. The report will be sent to the Governor, the Speaker of the Ohio House and President of the Ohio Senate. Mr. House asked for a motion to accept the report. Mr. Dean Jagger of the Department of Commerce (COM) moved and Mr. Fisher seconded. Motion passed.

B. Nuclear Regulatory Commission (NRC)

Mr. Allan Barker was present to report for Region III of the NRC. Mr. Barker introduced Mr. Harral Logaras who accompanied him.

Davis-Besse Nuclear Power Plant

In the September 2, 2008, assessment letter, plant performance for the most recent quarter, as well as for the first three quarters, was within the Licensee Response column of the NRC's Action Matrix. This was based on all inspection findings being classified as having very low safety significance (Green), and all Performance Indicators (PIs) indicating performance at a level requiring no additional NRC oversight (Green).

Therefore, with the exception of the March 2004 Confirmatory Order required annual independent-assessment reviews and follow-up on the August 2007 Confirmatory Order Required-actions, the NRC plans to conduct only reactor oversight process baseline inspections.

Selected upcoming inspections from the September 08 – December 09 inspection schedule were identified.

Perry Nuclear Power Plant

In the September 2, 2008, assessment letter, plant performance for the most recent quarter was within the Licensee Response column of the NRC's 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).

On May 16, the NRC completed a 95001 supplemental inspection to assess your evaluation of a White Performance Indicator (PI) in the Unplanned Scrams area of the Initiating Events cornerstone resulting from five scrams that occurred over a one-year period. Based on the results of this inspection, no findings of significance were identified.

In a previous assessment letter dated March 3, 2008 [ADAMS Ref. ML080600303], we advised the licensee of a substantive cross-cutting issue in the area of human performance related to work control and planning.

Although the number of findings with the same cross-cutting aspect has been reduced as of the end of the 2008 mid-cycle assessment period, we are leaving the cross-cutting issue in the area of human performance related to work control and planning open.

The September 2, 2008 assessment letter documents that FENOC has recognized the site wide cross-cutting theme in work planning and has developed and implemented a formal process to identify, track, and develop apparent cause(s) and corrective actions for cross-cutting issues. However, based on Perry's past performance related to long-term sustainability of corrective actions, the relatively short period of time that the formalized process to address cross-cutting issues has been implemented, and the additional inspection inputs that are pending, the NRC decided to leave the substantive cross-cutting issue in the area of human performance related to work control and planning open.

Selected upcoming inspections from the September 08 – December 09 inspection schedule were identified.

Beaver Valley

In the September 2, 2008, assessment letter, plant performance for the most recent quarter of 2008 at Beaver Valley Units 1 and 2 was within the Licensee Response

column of the NRC's 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, plan to conduct reactor oversight process baseline inspections at your facility.

Selected upcoming inspections from the September 08 – December 09 inspection schedule were identified.

The current operating licenses for BV 1 and BV 2 expire in 2016 & 2027, respectively. FENOC submitted an application in August 2007, requesting renewal of the operating licenses for an additional twenty years (new expiration dates would be 2036 & 2047, respectively).

The NRC staff published its draft Supplemental Environmental Impact Statement this past September. It is available for review from the following website:

www.nrc.gov/reactors/operating/licensing/renewal/applications/bvalley.html

You may also access it from ADAMS under Accession No. ML082600147

Copies of the draft Supplemental Environmental Impact Statement are also available to the public at the following libraries:

- Beaver Area Memorial Library, 100 College Ave, Beaver, PA 15009-2704 (telephone 724-775-1132)
- Beaver County Library System, 1 Campus Drive, Monaca, PA 15061 (telephone 724-728-3737).

The NRC will accept public comments on the draft Supplemental Environmental Impact Statement until December 17, 2008.

The NRC staff will hold a public meeting to present an overview of the draft Supplemental Environmental Impact Statement and to accept public comments on the document. The public meeting will be held on October 30, 2008, at the Embassy Suites Pittsburgh- International Airport, 550 Cherrington Parkway, Pittsburgh, Pennsylvania 15108.

Commission Meeting on Offsite Emergency Preparedness

From the August 12 Commission Meeting, the Commission commended the progress that has been made in REP programs at all levels of government and the productive relationships in place between the NRC, FEMA and State and local officials to strengthen emergency preparedness.

The agency staff should continue its implementation of lessons learned from the ongoing Hostile Action-Based (HAB) EP drills and other initiatives to enhance offsite REP programs for the long term. The staff should be sensitive to the

unique capabilities and organizational structures of various State and local jurisdictions, the need to incorporate other Federal agencies, e.g. FBI, into the NRC/FEMA partnership on REP program planning, exercising, and eliminating overlapping Federal requirements as much as possible through coordinated rulemaking and consolidated guidance for local responders.

NRC Seeks Public Comment on Proposed Revisions to Its Waste Confidence Decision (October 8 News Release)

The NRC is seeking public comment on proposed revisions to its waste confidence findings, in particular whether the findings should continue to include a timeframe for the availability of a repository for high-level nuclear waste disposal.

The proposed revisions, to be published and discussed in two separate notices in the *Federal Register*, are intended to support the agency's reviews of license applications for new commercial power reactors by resolving appropriate issues generically in rulemaking.

The waste confidence findings were first issued in 1984, subsequently revised in 1990, and reaffirmed in 1999. They state the Commission's confidence that a geologic Repository would be available sometime in the first quarter of the 21st century and that spent nuclear fuel can be safely stored without significant environmental impacts for at least 30 years beyond the licensed operation of a reactor, including the term of a renewed license.

C. Proposed Changes to Radiological Emergency Preparedness update Regional Focus Groups--July 10, 2008

On July 10, State and local governmental and FENOC representatives met with FEMA and the NRC to provide stakeholder input to the Task Force on the following initiatives: avoid anticipatory responses associated with preconditioning of onsite and offsite participants; incorporate a wide spectrum of releases (ranging from little or no release to a large release); include hostile action-based events; scenarios should emphasize the expected interfaces and coordination between key decision-makers based on realistic postulated events (events must be realistic for the nuclear power plant to ensure realism); identify experiences of preconditioning or negative training. Discussion included three key areas: changes to exercise scenario requirements; changes to offsite organization evaluation areas to incorporate hostile action-based scenarios; additional areas of concern.

FEMA/NRC In Progress Review Conference--Sept. 25/26, 2008

Mr. House reported on the meeting which was held in Oklahoma City. The meeting was held to discuss enhancements to the REP exercise scenarios and highlight new initiatives underway that will impact the REP.

Some proposed changes include:

1. Incorporate hostile action based (HAB) scenarios as initiating events.
2. Develop realistic scenarios and avoid preconditioning of participants an negative training
3. Integrate REPP into the National Exercise Program
4. Publish one comprehensive Radiological Preparedness manual through the Federal Register in February 2009 for comment. Comments will be adjudicated and the document will then process through the finalization process
5. Implement the HAB exercises into the REPP Exercise cycle following the finalization of the NRC rulemaking in 2010. The transition plan for implementation into the exercise cycle should include 6 steps:
 - o Step 1 – development of planning standards
 - o Step 2 – coordination of guidance
 - o Step 3 – development and conduction of training
 - o Step 4 – inspection of planning
 - o Step 5 – conduction of exercises
 - o Step 6 – evaluation of exercises

D. Utility Reports

Beaver Valley Power Station

Unit 2 Power Reduction—September 20, 2008

Beaver Valley Unit 2 completed a scheduled weekend down power and returned to 100 percent power on Monday evening, September 22, 2008.

- The “A” and “C” Main Feed Regulating Valve Positioners were replaced
- Three Condenser tube leaks were identified and plugged
- Cooling Tower screens were cleaned

Loss of Emergency Sirens Due to Power Outages caused by High Winds

High winds from the remnants of Hurricane Ike engulfed the Beaver Valley 10 mile EPZ at approximately 20:00 on September 14, 2008 causing numerous power outages.

- A total of 54 or 45.7 percent of the Beaver Valley EPZ 119 sirens were declared out of service. A 10CFR50.72, 8 hour NRC notification was made due to more than 25 percent of the total number of sirens are out of service
- All three County Emergency Management Agencies were notified and Route Alerting / Route Verifications was established, if needed

- Associated County Emergency Response Organizations were notified of the siren outage and the possibility of needing to conduct Route Alerting / Route Verification
- On September 21, at 1800 hrs, all sirens were back in service

Davis-Besse Nuclear Power Station

Independent Assessments

As part of the NRC confirmatory order related to the Davis-Besse reactor vessel head degradation event, Davis-Besse is committed to performing independent assessments of four key programs for a period of five years (2004-2008). 2008 is the fifth and final year that DB is committed to performing these assessments.

The second of four independent assessments scheduled for 2008 has been completed. The following is a summary of the completed Corrective Action Program assessment:

According to an independent assessment, Davis-Besse continues to demonstrate a strong commitment to the Corrective Action Program (CAP) and is overall Effective in its implementation. During the two-week assessment, the team reviewed the rigor, criticality, and overall quality of the implementation of CAP and internal self-assessments.

The team noted two of the six assessment areas as Highly Effective - trending program implementation and effectiveness, and effect of program backlogs.

Five Areas of Strength noted by the team include:

- Corrective actions taken to resolve the Leading Edge Flow Meter issue
- Reporting Operation Experience (OE) to the industry
- Identification of adverse trends through the integrated performance assessment process
- Use of Plant Health quarterly reports to ensure system reliability and availability
- The low number of operator work-arounds and burdens, as well as Control Room deficiencies.

While there were no Areas for Improvement (AFI) identified, the team did offer some insight regarding Areas in Need of Attention. Examples of the Areas in Need of Attention included resolving the compressor trips that support the Control Room Emergency Ventilation System; improving chemical laboratory practices; resolving component health and trending plot errors; and a reduction in Oversight's focus on CAP reviews.

Following is the 2008 Confirmatory Order Independent Assessment schedule for Davis-Besse:

2008 CONFIRMATORY ORDER INDEPENDENT ASSESSMENT SCHEDULE					
ASSESSMENT	SUBMIT PLAN	CONDUCT ASSESSMENT	EXIT & DRAFT REPORT TO DB	FINAL REPORT TO DB	FINAL REPORT TO NRC
Operations Performance	Complete	Complete	Complete	Complete	Complete
Corrective Action Program	Complete	Complete	Complete	Complete	Complete
Engineering Program Effectiveness	Complete	Complete	October 17	October 24	December 1
Safety Culture/ SCWE	Complete	9/4 – 9/20 Survey 10/27–10/31 On site	(5 wks) December 12	December 19	January 26, 2009

Perry Nuclear Power Plant

Perry 2008 Exercise

- The results of the NRC EP Inspection are as follows:
- No significant issues or findings identified in the inspection.
- Performance in the 2008 evaluated exercise demonstrated the Perry is capable of successfully implementing its Emergency Plan to protect the public in the event of a radiological emergency.
- The exercise was successful and received a critical review of performance by the licensee.
- The Emergency Planning risk significant planning standards were met

The NRC inspection team evaluated the Perry staff's critique of the 2008 evaluated exercise and agreed with the critique findings and conclusions regarding ERO performance.

Overall, the NRC considered the exercise a success. The scenario was challenging and there were no problems with meeting the EP risk significant planning standards (12 successes out of 12 opportunities) for EAL classification, notification, dose assessment, and protective action recommendations.

Activities in the Control Room Simulator, Technical Support Center, and Emergency Operations Facility were observed in the evaluated exercise. The inspectors noted good command and control (timely updates and briefings when conditions and

priorities change), and communication (three-part with repeat back) behaviors. The facility critiques conducted after concluding the exercise were self-critical.

Offsite results from the exercise were also very favorable. FEMA evaluators witnessed performance of over 230 objectives during the course of the week at State of Ohio and county emergency operation centers, traffic access control, field monitoring teams, monitoring and decontamination centers, and schools. There were only two Areas Requiring Corrective Action identified that were re-demonstrated and closed during the exercise.

Emergency Response Data System (ERDS) and Safety Parameter Display System (SPDS) Out of Service—August 26, 2008

The Perry Nuclear Power Plant took the Plant Computer and ERDS out of service for scheduled maintenance on August 26, 2008 for approximately 6 hours while personnel performed disk maintenance activities on the Plant Computer.

During this planned maintenance, the Safety Parameter Display System (SPDS) and the automatic mode calculation of the Computer Aided Dose Assessment Program (CADAP) were unavailable. The unavailability period was necessary to replace a disk drive.

In the event of an emergency, plant parameter data would have been orally transmitted to the facilities through the Status Board Ring Down circuit with back-up by the Plant Branch Exchange, the Off Premise Exchange, and various redundant intra-facility circuits throughout the emergency facilities.

The dose assessment function was maintained during the out of service time period by manual input of data into CADAP and by manual calculation. The ability to open and maintain an “open line” using the Emergency Notification System was not affected and was the primary means of transferring plant data to the NRC as a contingency until the ERDS was returned to service during the period of unavailability.

This event was reported in accordance with 10 CFR 50.72(b)(3)(xiii), as a condition that results in a major loss of offsite communications capability. A follow-up notification was made when the activities were completed and the equipment was restored.

FENOC

Common Dose Assessment Program

Discussions were held with Exelon Corporation emergency preparedness personnel in the Midwest Group who are also studying options to replace their dose projection program.

Vendor presentations are planned in the fourth quarter to gain a better understanding of the products currently available. The challenges for a common program include interfaces for automatic data input from the three station plant computers and

computer modeling of terrain conditions surrounding the three plants. Further progress was not made during the past quarter due to emphasis on the preparations for the Perry evaluated exercise.

Electronic Data

Perry Plant operational data and simulator data was made available to the State of Ohio during the past quarter. Electronic data was available to support simulated plant conditions for the Perry evaluated exercise. Next phase of the project is to make the Beaver Valley Units information available before year end. Meteorological data and simulator data remain challenges and will most likely not be available until further in 2009.

IV. MISCELLANEOUS

The next meeting of the Utility Radiological Safety Board will be January 5, 2009. The rest of the meetings for the Board in 2009 will be April 6, July 7 and October 5.

V. ADJOURNMENT

Mr. House asked for a motion to adjourn. Mr. Mitchell moved and Mr. Owen seconded. Motion passed.

DATE

MEL HOUSE,
CHAIR PRO TEM
UTILITY RADIOLOGICAL SAFETY BOARD