

**UTILITY RADIOLOGICAL SAFETY BOARD OF OHIO
MEETING MINUTES
APRIL 9, 2007**

Mr. Mel House, Operations Division Director of Ohio Emergency Management Agency called to order the April 9, 2007 meeting of the Utility Radiological Safety Board of Ohio at 1:30 p.m.

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. SHAWN SMITH
ENVIRONMENTAL PROTECTION AGENCY	MS. CINDY HAFNER
DEPARTMENT OF COMMERCE	MR. DEAN JAGGER

A quorum was declared.

II. READING OF THE JANUARY 8, 2007 MINUTES (ADOPTED)

Mr. Anthony Mitchell of the Department of Agriculture made the motion and Mr. Shawn Smith of the PUCO seconded to dispense with the reading of the minutes. Motion passed. Mr. House asked if there were any additions or deletions to the minutes. Mr. House asked for a motion to approve the minutes. Mr. Robert Owens of the Department of Health moved to adopt the minutes and Mr. Mitchell seconded. The motion was carried.

III. OLD BUSINESS

A. Updated Status of URSB Initiatives

Mr. Sean Zalesny reviewed the Working Group Initiatives headed by Ohio EMA that have been revised. The Reactor Oversight Program matrix is included in the packet to be reviewed. The After Action Matrix will be reviewed after the Davis-Besse Exercise to add or revise issues discovered during the exercise. The Working group, along with FENOC, will begin an evaluation of available software in July of 2007.

Mr. Steve Helmer reviewed the initiatives lead by ODH. ODH is still looking to go to unescorted access for the Health Physicist in the northeast area of the state. They are working with the union and there has been some progress. They are fine for now with escorted access. The NRC has purchased KI. ODH is having a series of teleconferences with the local health departments to determine the number to order for Ohio.

For the Department of Agriculture, Mr. Mitchell reported that they are reviewing the Agriculture Brochure with the new Director and are awaiting his approval.

B. Midwestern Committee Report

Section 180(c) of the Nuclear Waste Policy Act

The committee wrote a letter to Edward Sproat, Director of the Office of Civilian Radioactive Waste Management (OCRWM), inquiring about the status of the planned publication of the draft policy and procedures for implementing Section 180(c) in the *Federal Register*. Recommendations by the committee on the policies and procedures for implementing the process for funding to the states for technical assistance were submitted in the fall of 2006. There has been no response from DOE on this letter.

State Regional Group (SRG) Security Survey

In January the committee received the final summary of the security survey that the state regional groups conducted last summer. The survey addressed state experiences on training in handling of sensitive and classified information, information requirements regarding the movement of material to Yucca Mountain, procedures for reporting events involving shipments to government authorities, and state capabilities, human resources, laws and regulations, and roles and responsibilities pertaining to shipment security. All of the ten Midwestern states responded.

A survey of state requirements relative to shipments of radioactive material during a Homeland Security Advisory System Code Yellow threat level was submitted to the states for response. PUCO provided the response for Ohio.

NRC Information Sharing

As you may recall, the committee wrote to NRC Chairman Diaz last year to follow up on a recommendation made by the National Academies of Science regarding the security of spent fuel shipments. Specifically, the letter asked the NRC to work with the states to establish an approach to sharing the information that the NRC has regarding cask vulnerability. Chairman Diaz was receptive to this.

Toward this end, the regions have been working with the NRC's Earl Easton these past few months to identify the states' preferences for receiving information on cask vulnerability. A draft matrix was developed on this information. Ohio commented on the elements of the matrix, along with other states. This is being provided to the NRC.

CVSA Report and Findings

It was reported by the CSG Midwest Office that the CVSA recently completed its audit of the Level VI inspection program in several states. The report identified a large number of recommendations, findings, and best practices. The one of greatest significance to the Midwestern states is the recommendation to "refine the findings and use them as the basis for a more focused workshop to identify priorities and recommendations acceptable to the states."

Also, the CSG staff made recommendations regarding CVSA's collection of data from Level VI inspections. These were developed following analyzing of the data to answer questions about en route inspections.

OCRWM Benchmarking Report

The committee provided comments to DOE preliminary draft on their Radioactive Waste Benchmarking Report. The report is intended to identify, document, and better understand best practices that will help in the design and implementation of a system to move spent nuclear fuel and high-level radioactive waste to the proposed repository at Yucca Mountain.

OCRWM Transportation Plan Outline

A draft of this plan was provided to the committee for review. Comments were submitted to OCRWM. The plan seems to focus on developing a strategic plan rather than an operations plan. This is confusing, since two other strategic planning documents already exist. If really intended for implementation, then traditional transportation planning elements should be included. Prior transportation plans for major DOE shipping campaigns should be considered.

DOE "Fix Yucca" Bill

DOE is once again proposing legislation that will enhance the nation's ability to manage and dispose of commercial spent nuclear fuel and Defense high-level radioactive waste. Section 7 of the bill on transportation is the same section that was opposed by states before. The section allows for easy pre-emption by DOE of state transportation regulations. The committee will address this issue at its next meeting.

Petition for NRC Rulemaking

The Massachusetts's Attorney General sought support from other interested states on a petition for rulemaking by the NRC, requesting that the NRC address the environmental and public health risks posed by high density storage of spent nuclear fuel at nuclear power plants. There was no interest by the Ohio Attorney General to participate in the petition.

Global Nuclear Energy Partnership (GNEP)

Twelve sites across the country, including the DOE Piketon facility, have been selected for further study on feasibility of hosting a facility for advanced nuclear fuel recycling. Nuclear waste would be divided into its reusable and un reusable parts, and an advanced recycling reactor would demolish radioactive aspects of the fuel and generate electricity. This would reduce the amount of nuclear waste to be stored permanently. The committee is interested in the transportation issues associated with this program. Further updates on this effort will be presented by DOE at the next meeting of the committee.

Future Meetings

The committee will meet again in Jefferson City, MO during June 26-27.

The DOE TEC/WG will meet in Kansas City, MO during July 24-25.

IV. NEW BUSINESS

A. URSB Resolution 07-01, Comments on "Release in Progress Position"

This resolution had been tabled at the last meeting due to the change in administration. Shawn Smith voted to make a motion that the Board adopt the resolution, Anthony Mitchell seconded. Motion passed.

B. Groundwater Monitoring Program: Mr. Zack Clayton reported that FENOC is still in negotiations with Pennsylvania to combine comments yet make sure all concerns are covered.

C. Nuclear Regulatory Commission – Sherri Minnick, Government Liaison represented the NRC for this meeting.

Perry Augmented Oversight

Following the placement of Perry in the (Multiple/Repetitive Degraded Cornerstone) Column IV in 2004, FENOC implemented a Performance Improvement Initiative (PII) to improve and sustain performance at Perry. In 2005, the NRC issued a CAL to confirm the commitments regarding implementation of the PII. In addition to routine inspections, the NRC has conducted extensive supplemental inspections, to assess the success of this PII and the commitments made in the CAL. The NRC has concluded that these actions have been successful and that sustained performance improvements at Perry have been realized.

Therefore, we have recently concluded that the two White findings in the areas of Problem Identification & Resolution areas (PI&R) area and human performance area are closed.

NRC's recent documentation regarding Perry included two separate letters, both of which were issued on March 2, 2007.

1) The documentation of Perry's performance for 2006 was documented in a March 2, 2007 end-of cycle assessment letter.

2) The documentation of returning the Perry plant to normal NRC oversight, closure of the Confirmatory Action Letter, Closure of the long-standing open white findings and transition from Column IV to Column I was documented in a separate March 2, 2007 letter.

On March 21, 2007 the NRC held a public meeting to discuss the NRC's assessment of Perry Nuclear Power Plant's safety performance for the period from Jan 1-Dec 31, 2006 and the decision to return the Perry plant to normal NRC oversight.

Geauga and Lake Counties as well as Ohio staff attended the EOC meeting. Also, NRC reached out to Lake, Geauga and Ashtabula counties in a local government outreach

initiative. Three meetings were held with the president county board of commissioners from March 6-8, 2007. This outreach initiative is being conducted for all 16 NRC Region 3 sites, in an effort to establish a point of contact with counties, provide them with some information about the NRC mission and introduce them to NRC resident inspectors. The effort is not an emergency preparedness/emergency response outreach.

Davis Besse CAL for PWR welds

The discovery, in Oct 2006, that five circumferential indications in three dissimilar metal welds on the pressurizer at the Wolf Creek Generating Station raised safety concerns based on the size and location of the indications. This is the first time that multiple circumferential primary water stress-corrosion cracking indications have been identified in a weld. Therefore we issued CALs to 40 licensees, including DB.

In a CAL dated March 20, 2007, FENOC made commitments regarding butt welds in the pressurizer at DB. These commitments address: 1) completion schedules for inspection/mitigation of the welds; 2) RCS leak monitoring frequency, action levels, and actions; 3) reporting requirements, and 4) reinspection frequencies.

B. Utility Reports: Mr. Higaki reported for the three nuclear power plants of FirstEnergy

1. Beaver Valley Power Station
Comprehensive Review

A briefing meeting was held with key onsite and offsite players on March 12, 2007. The meeting provided information on the purpose of the Comprehensive Review, and lessons learned from the Perry and Davis-Besse reviews. The second preparation meeting is scheduled for April 12 and the Dry Run scheduled on May 11 at the Beaver Valley Nuclear Power Station.

The Comprehensive Review, along with the security review, is scheduled for the week of May 21 Beaver Valley Nuclear Power Station.

EPPI's (Event of Potential Public Interest)

Pennsylvania utilities along with the Pennsylvania Emergency Management Agency and the Bureau of Radiation Protection discussed protocol for courtesy reporting of events of potential public interest on January 19. Parties agreed that utilities will contact offsite agencies typically within 4 hours or within the next business day if the event were to occur during off hours. Contact names were provided from both the state agencies and the utilities in case the need arises to contact someone during off hours. A sample list of items to be considered an EPPI threshold was drafted as guidance to all parties.

The Nuclear Energy Institute has also drafted guidance on events that should be communicated to that agency. Types of events are similar in nature and will be taken into account for FirstEnergy Nuclear Operating Company review

development of fleet guidance. The expectation would be to use the guidance to provide contact to the State agencies in Ohio, Pennsylvania and West Virginia.

2. Davis-Besse Nuclear Power Station

Comprehensive Review

The Davis-Besse Nuclear Power Station (DBNPS) received complements from Department of Homeland Security (DHS) following successful completion of its Comprehensive Review. During the final debrief, the DHS Team indicated that the relationship and integration between DBNPS and local law enforcement agencies was among the best seen through the Comprehensive Review process. The team was impressed with the quality of the on-site Security and Emergency Response presentations and federal, state and local support of the review activities.

The goal of the review was to evaluate Davis-Besse's ability to synchronize its activities and plans with external agencies in response to a hostile threat. The review process involved the DHS, DBNPS Site Protection and Emergency Preparedness teams, along with respective local, state and federal agencies that would support the site during a security related event.

During the Comprehensive Review Exit Meeting, the team debriefed three best practices and four suggested improvement areas. They are as follows:

Best Practices

1. 30 hospitals are being trained on handling contaminated injured personnel.
2. Communication systems provide key plant data to the State of Ohio.
3. A web-based Fire/Law Enforcement database provides good resource information.

Areas for Improvement

1. Communications capability between the Davis-Besse Fire Brigade and offsite Fire Departments could be enhanced.
2. Establishing designated staging areas.
3. Additional training evolutions to exercise interoperability of communications capabilities.
4. Local Fire Department training for crime scene preservation.

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 assessment of four key programs for a period of five years (2004-2008).

The Confirmatory Order Independent Assessments continue at Davis-Besse for two more years (2007 and 2008). The schedule for 2007 is as follows:

2007 CONFIRMATORY ORDER INDEPENDENT ASSESSMENT SCHEDULE [Tentative]					
ASSESSMENT	SUBMIT PLAN	CONDUCT ASSESSMENT	EXIT & DRAFT REPORT TO DB	FINAL REPORT TO DB	FINAL REPORT TO NRC
Operations Performance	March 13	June 11 - June 22	July 6	July 13	August 20
Corrective Action Program	April 10	July 9 - July 20 ¹	August 3	August 10	September 17
Engineering Program Effectiveness	June 12	Sept. 10 - Sept. 21 ²	October 5	October 12	November 19
Safety Culture/SCWE	June 6	9/4 - 9/21 Survey 10/29 - 11/2 On site	(5 wks) December 7	December 14	January 21, 2008

ANS (Alert/Notification System) Self Assessment

The ANS Siren Self Assessment has been rescheduled for the week of October 1, 2007. The Ottawa County Ohio EMA Resident Radiological Analyst will be involved in this assessment.

Station Isolation Procedure, loss of communications – February 13, 2007

On Tuesday, February 13, 2007 at 0945 the station entered an “isolation watch” in accordance with station procedure due to a severe winter storm. The “watch” was upgraded to a “warning” at 1445 and terminated on February 14, 2007 at 1200. A core station complement (routine shift staff and emergency response organization personnel) was maintained over night as a contingency measure.

Due to a power outage in downtown Toledo, the Davis-Besse Nuclear Power Station experienced a loss of offsite communications capability. A loss of two of three available telephone system pathways is a condition reportable to the Nuclear Regulatory Commission. At approximately 2000 on February 13, 2007, two of the three telephone pathways were unavailable and full telephone service was restored at 2214.

Measures are being developed to improve the phone system reliability as part of the plant corrective action program.

Power reduction/condenser tube leak – March 24, 2007

The plant reduced power to 55 percent on Friday March 23, 2007 to find and repair a condenser tube leak of four to six gallons per day to the plant secondary system.

Two additional Condenser tubes were repaired by inserting plugs. Both repairs provide additional assurance the tubes will not leak in the future. One tube was located adjacent the first one repaired, while the other was located next to a previously repaired tube.

The team also performed planned work to clean the bearing cooling coil on Condensate Pump 3, which had been operating at a higher than normal temperature. Maintenance was successful in improving the flow on the pump; however, the two other operating pumps began operating at higher than normal temperatures. A Problem Solving Team has been convened to evaluate the indications and an additional plant down power will be planned for additional maintenance on the condensate pumps.

3. Perry Nuclear Power Plant

Closure of white findings

Nuclear Regulatory Commission officials announced closing the final two White findings at Perry Plant and also closed the issues regarding human performance and the corrective action program during the March 21 public meeting.

Perry had been in the Multiple/Repetitive Degraded Cornerstone (Column 4) due to the Mitigating Systems Cornerstone being degraded with two White findings being held open for greater than 4 consecutive quarters. The two findings were related to the ESW pump failure (3Q2003) and the White finding initiated in 4Q2003 for inadequate venting of the RHR/LPCI keep fill system.

Closing these two findings as well as closing issues with human performance and the corrective action program moved Perry from Column 4 of the Oversight Matrix to Column 1, licensee response band - normal NRC oversight.

Comprehensive Review

Department of Homeland Security, NRC and other federal agencies were present to conduct the Comprehensive Review at the Perry Plant area during November, 2006. The sessions were well attended and included first responder organizations, county, State of Ohio agencies that support the Perry Plant radiological emergency plan. Security organization along with local law enforcement, Ohio State Highway Patrol, Coast Guard, and Federal Bureau of Investigation also participated in the safeguard portion of the review.

Overall results were positive with several areas of improvement noted that were debriefed with the respective plant or offsite organizations. Two “Best Practices” were identified by the DHS team and included 1) effectiveness of cross training between Perry Joint Fire

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Department and the Perry Plant and 2) good coordination between local law enforcement and Perry Plant security organization.

IV. MISCELLANEOUS: The next meeting will be held July 9, 2007.

V. ADJOURNMENT:

DATE

MELVIN R. HOUSE,
UTILITY RADIOLOGICAL SAFETY BOARD