



FEMA

Mr. Mark Satorius  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region III  
2443 Warrenville Road  
Lisle, Illinois 60542-4351

Dear Mr. Satorius:

Enclosed is one copy of the Final Report for the April 20, 2010, Radiological Emergency Preparedness (REP) Full Participation Plume Exposure Pathway Exercise for the Beaver Valley Power Station. The State of Ohio, Columbiana County, and the utility owner/operator, FirstEnergy Nuclear Corporation, participated in this exercise.

There was one Deficiency and two Areas Requiring Corrective Action (ARCAs) identified for the State of Ohio during this exercise.

There was one new ARCA identified and two previous ARCAs that were resolved for Columbiana County during this exercise.

The Deficiency identified for the State of Ohio was against Criterion 4.a.2 - Plume Phase Field Measurements and Analyses, whereby out of the three State Field Monitoring Teams (FMT), only one FMT received the message that a release of radioactive materials had started and that the State Department of Health had ordered the ingestion of potassium iodide (KI) for all emergency workers within the 10-mile emergency planning zone (EPZ). This Criterion was successfully re-demonstrated on July 22, 2010.

The first ARCA identified for the State of Ohio was against Criterion 2.b.1 - Radiological Assessment and Protective Action Recommendations and Decisions for the Plume Phase of the Emergency, whereby the Dose Assessment Team did not demonstrate a reliable capability to independently validate dose projections provided by the licensee or Columbiana County.

The second ARCA identified for the State of Ohio was against Criterion 4.a.3- Ambient Radiation Measurements and Radioiodine and Particulate Samples, whereby when recording the results of field determinations of radioactive material present on a particulate filter and a silver zeolite cartridge, the field team member entered the results for each media in the reverse order. This Criterion was successfully re-demonstrated on July 22, 2010.

The new ARCA identified for Columbiana County was against Criterion 5.a.1 – Activities associated with primary alerting and notification of the public are completed in a timely manner following the initial decision by authorized offsite officials to notify the public of an emergency situation whereby the precautionary action decided upon at 1815 hours, included a restriction of after hour school activities and for residents within the 10-mile EPZ to go indoors to monitor the EAS radio station. However, the precautionary action information was not included in the EAS message that was broadcast to the public.

The two previous ARCAs that were resolved during this exercise were identified against Criterion 5.b.1 - Emergency Information and Instructions for the Public and the Media and Criterion 6.b.1 - Monitoring and Decontamination of Emergency Worker Equipment.

We have received a Schedule of Corrective Action for the outstanding ARCAs, including the date and time of those organizations and participants that will participate in the remedial exercise and training.

A detailed discussion of these issues can be found in Part IV of the Final Report.

Based on the results of the April 20, 2010, exercise and the successful July 22, 2010, Deficiency re-demonstration, the offsite radiological emergency response plans and preparedness for the State of Ohio and the affected local jurisdiction, site-specific to the Beaver Valley Power Station, can be implemented and are adequate to provide reasonable assurance that appropriate measures can be taken offsite to protect the health and safety of the public in the event of a radiological emergency at the site.

Therefore, the Title 44 CFR, Part 350, approval of the offsite radiological emergency response plans and preparedness for the State of Ohio site specific to the Beaver Valley Power Station, granted on June 15, 1987, remains in effect.

Copies of this Report were transmitted to the DHS/FEMA National Office, Nuclear Regulatory Commission (NRC) Headquarters' Document Control Desk, and the State of Ohio.

If you have any questions, please contact William King, Chairman, Regional Assistance Committee, DHS/FEMA, Region V, at (312) 408-5575.

Sincerely,



Andrew Velasquez III  
Regional Administrator