



FEMA

NOV 18 2009

Ms. Kris Eide
Director Minnesota Homeland Security
and Emergency Management Division
Minnesota Department of Public Safety
444 Cedar Street, Suite 223
St. Paul, Minnesota 55101-6223

Dear Ms. Eide:

Enclosed is one copy of the Final Report for the August 18 and 19, 2009, Radiological Emergency Preparedness (REP) Full Participation Plume and Ingestion Exposure Pathway Exercise for the Monticello Nuclear Generating Plant. Under separate cover, three copies of this report are being sent to the Minnesota Division of Homeland Security & Emergency Management Preparedness Branch Director for distribution to the Counties of Sherburne and Wright, along with an additional copy for the State. The State of Minnesota, Sherburne and Wright Counties, and the utility owner/operator, Xcel Energy Nuclear Corporation, participated in this exercise.

No Deficiencies were identified for any jurisdiction during this exercise.

There were four Areas Requiring Corrective Action (ARCAs) identified for the State of Minnesota, one of which was resolved after additional training was conducted, as documented in the Schedule of Corrective Actions letter from the State dated October 21, 2009, and one which was successfully re-demonstrated on October 19, 2009. There were two ARCAs identified for Wright County, one of which was successfully re-demonstrated during the exercise. No ARCAs were identified for Sherburne County.

There were no previous ARCAs for the State of Minnesota, Wright and Sherburne Counties that were resolved.

The first ARCA for the State of Minnesota was identified under Criterion 1.e.1 - Equipment, maps, displays, dosimetry, potassium iodide (KI), and other supplies are sufficient to support emergency operations, whereby the thermoluminescent dosimeters utilized at the North Memorial Medical Center did not have an exchange date and there were no instructions on when the dosimeters needed to be exchanged. This ARCA remains unresolved.

The second ARCA for the State of Minnesota was identified under Criterion 4.a.3 - Ambient radiation measurements are made and recorded at appropriate locations, and radioiodine and particulate samples are collected. Teams must move to an appropriate low background location to determine whether any significant (as specified in the plan and /or procedures) amount of

radioactivity has been collected on the sampling media, whereby the teams exhibited a lack of contamination control by failing to wear proper protective equipment (gloves). This ARCA was resolved after additional training was conducted, as documented in the Schedule of Corrective Actions letter from the State dated October 21, 2009.

The third ARCA for the State of Minnesota was identified under Criterion 4.c.1 – Laboratory is capable of performing required radiological analyses to support PADs, whereby results of laboratory isotopic analysis of samples counted in Marinelli beakers were not reliable, and there was no assurance in the quality and quantity of the isotopic concentrations. This ARCA was successfully re-demonstrated on October 19, 2009, which was completed within the 60 day timeframe requested by FEMA.

The fourth ARCA for the State of Minnesota was identified under Criterion 6.d.1 - The facility/ORO has the appropriate space, adequate resources, and trained personnel to provide transport, monitoring, decontamination, and medical services to contaminated injured individuals, whereby The Model 3 survey meters were checked for operability using a Cs-137 check source attached to the case. The instruments were not operability checked using a specified range of readings for a particular source. This ARCA remains unresolved.

The first ARCA for Wright County was identified under Criterion 1.c.1 – Key personnel with functional roles for the ORO provide direction and control to that part of the overall response effort for which they are responsible, whereby the Operations Chief (Nuclear Director) and other key EOC staff were not informed by staff that a decision to evacuate the County Jail population had been made. This ARCA remains unresolved.

The second ARCA for Wright County was identified under Criterion 1.e.1 - Equipment, maps, displays, dosimetry, potassium iodide (KI), and other supplies are sufficient to support emergency operations, whereby during the operations check, DRDs were zeroed at the top of the scale, 200 mR rather than 0 mR. This ARCA was successfully re-demonstrated during the exercise.

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

Based on the results of the August 18 and 19, 2009, exercise, the offsite radiological emergency response plans and preparedness for the State of Minnesota and affected local jurisdictions, site-specific to the Monticello Nuclear Generating Plant, 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 Minnesota site-specific to the Monticello Nuclear Generating Plant, granted on December 4, 1981, remain in effect.

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

Sincerely,



Janet M. Odesloo
Acting Regional Administrator

Enclosures (1)
cc: Kevin Leuer w/enclosure (3)