

April 10, 2007

Mr. Christopher M. Crane
President and Chief Nuclear Officer
Exelon Nuclear
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3
NRC EMERGENCY PREPAREDNESS INSPECTION REPORT
05000237/2007502(DRS); 05000249/2007502(DRS)

Dear Mr. Crane:

On March 23, 2007, the NRC completed an inspection at your Dresden Nuclear Power Station, Units 2 and 3. The enclosed report documents the inspection findings, which were discussed on March 23, 2007, with Mr. D. Wozniak and other members of your staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel. Specifically, this inspection focused on emergency preparedness, including your staff's determinations of performance indicators for the Emergency Preparedness Cornerstone.

On the basis of the results of this inspection, no findings of significance were identified.

In accordance with 10 CFR Part 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room, or from the Publicly Available Records (PARS) component of NRC's

C. Crane

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Sincerely,

/RA by D. Funk acting for/

Kenneth Riemer, Chief
Plant Support Branch
Division of Reactor Safety

Docket Nos. 50-237; 50-249
License Nos. DPR-18; DPR-25

Enclosure: Inspection Report 05000237/2007502(DRS);
05000249/2007502(DRS)
w/Attachment: Supplemental Information

cc w/encl: Site Vice President - Dresden Nuclear Power Station
Dresden Nuclear Power Station Plant Manager
Regulatory Assurance Manager - Dresden
Chief Operating Officer
Senior Vice President - Nuclear Services
Senior Vice President - Mid-West Regional
Operating Group
Vice President - Mid-West Operations Support
Vice President - Licensing and Regulatory Affairs
Director Licensing - Mid-West Regional
Operating Group
Manager Licensing - Dresden and Quad Cities
Senior Counsel, Nuclear, Mid-West Regional
Operating Group
Document Control Desk - Licensing
Assistant Attorney General
Illinois Emergency Management Agency
State Liaison Officer
Chairman, Illinois Commerce Commission
W. King, FEMA, Region V

document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA by D. Funk acting for/

Kenneth Riemer, Chief
Plant Support Branch
Division of Reactor Safety

Docket Nos. 50-237; 50-249
License Nos. DPR-19; DPR-25

Enclosure: Inspection Report 05000237/2007502(DRS);
05000249/2007502(DRS)
w/Attachment: Supplemental Information

cc w/encl: Site Vice President - Dresden Nuclear Power Station
Dresden Nuclear Power Station Plant Manager
Regulatory Assurance Manager - Dresden
Chief Operating Officer
Senior Vice President - Nuclear Services
Senior Vice President - Mid-West Regional
Operating Group
Vice President - Mid-West Operations Support
Vice President - Licensing and Regulatory Affairs
Director Licensing - Mid-West Regional
Operating Group
Manager Licensing - Dresden and Quad Cities
Senior Counsel, Nuclear, Mid-West Regional
Operating Group
Document Control Desk - Licensing
Assistant Attorney General
Illinois Emergency Management Agency
State Liaison Officer
Chairman, Illinois Commerce Commission
W. King, FEMA, Region V

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos: 05000237; 05000249
License Nos: DPR-18; DPR-25

Report No: 05000237/2007502(DRS); 05000249/2007502(DRS)

Licensee: Exelon Generating Company, LLC

Facility: Dresden Nuclear Power Station, Units 2 and 3

Location: Morris, IL

Dates: March 19 through March 23, 2007

Inspectors: R. Jickling, Senior Emergency Preparedness Analyst
M. Bielby, Licensed Operator Examiner
F. Ramirez, Resident Inspector - LaSalle Station

Observer: A. Koonce, Inspector-in-Training

Approved by: K. Riemer, Chief
Plant Support Branch
Division of Reactor Safety

Enclosure

SUMMARY OF FINDINGS

IR 05000237/2007502(DRS); 05000249/2007502(DRS); 03/19/2007 - 03/23/2007;
Exelon Generation Company, Dresden Nuclear Power Station, Units 2 and 3; Emergency
Preparedness Specialist Report.

The report covers a 1 week baseline inspection by one regional emergency preparedness inspector, a resident inspector, and a licensed operator examiner. The inspection focused on the Emergency Preparedness Cornerstone in the Reactor Safety strategic performance area during the biennial emergency preparedness exercise. This inspection also included a review of records related to the three emergency preparedness performance indicators for the period October 1, 2005, through December 31, 2006.

The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 3, dated July 2000.

A. Inspector-Identified and Self-Revealed Findings

None.

B. Licensee-Identified Violations

None.

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness

1EP1 Exercise Evaluation (71114.01)

a. Inspection Scope

The inspectors reviewed the March 21, 2007, biennial emergency preparedness exercise's objectives and scenario to ensure that the exercise would acceptably test major elements of the licensee's emergency plan and to verify that the exercise's simulated problems provided an acceptable framework to support demonstration of the licensee's capability to implement its plan. The inspectors also reviewed records of quarterly drills and exercises conducted in 2005 and 2006, to verify that those drills' scenarios were sufficiently different from the scenario used in the March 21, 2007 exercise.

The inspectors evaluated the licensee's exercise performance, focusing on the risk-significant activities of emergency classification, notification, and protective action decision making, as well as implementation of accident mitigation strategies in the following emergency response facilities:

- Control Room Simulator (CRS);
- Technical Support Center (TSC); and
- Emergency Operations Facility (EOF).

The inspectors also assessed the licensee's recognition of abnormal plant conditions, transfer of responsibilities between facilities, internal communications, interfaces with offsite officials, readiness of emergency facilities and related equipment, and overall implementation of the licensee's emergency plan.

The inspectors attended post-exercise critiques in the CRS, TSC, and EOF to evaluate the licensee's initial self-assessment of its exercise performance. The inspectors later met with the licensee's lead exercise evaluators and managers to obtain the licensee's findings and assessments of its exercise participants' performances. These self-assessments were then compared with the inspectors' independent observations and assessments to assess the licensee's ability to adequately critique its exercise performance.

These activities completed one of one inspection sample.

b. Findings

No findings of significance were identified.

4. OTHER ACTIVITIES

4OA1 Performance Indicator (PI) Verification (71151)

Cornerstone: Emergency Preparedness

.1 Reactor Safety Strategic Area

a. Inspection Scope

The inspectors reviewed the licensee's records associated with each of the three emergency preparedness PIs to verify that the licensee's program was implemented consistent with the industry guidelines in the applicable revision of Nuclear Energy Institute Publication No. 99-02, "Regulatory Assessment Performance Indicator Guideline," and related licensee procedures. Specifically, licensee records related to the performance of the Alert and Notification System (ANS), key Emergency Response Organization (ERO) members' drill participation, and Drill and Exercise Performance (DEP) were reviewed to verify the accuracy and completeness of the PI data submitted to NRC for the period from October 1, 2005 through December 31, 2006. The following three PIs were reviewed:

Common

- ANS;
- ERO Drill Participation; and
- DEP.

These activities completed three of three PI samples.

b. Findings

No findings of significance were identified.

4OA6 Meetings

.1 Exit Meeting

An exit meeting was conducted for:

- Emergency Preparedness with Mr. D. Wozniak and other members of licensee management and staff at the conclusion of the inspection on March 23, 2007. The licensee acknowledged the information presented. No proprietary information was identified.

.2 Public and Media Briefing

- On March 23, 2007, an inspector summarized NRC's preliminary exercise inspection conclusions at a public and media briefing hosted by Department of Homeland Security Region V Field Office staff in Morris, Illinois.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee

D. Wozniak, Plant Manager
C. Barajas, Operations Director
G. Bockholdt, Maintenance Director
P. Dohm, Corporate Emergency Preparedness
J. Ellis, Regulatory Assurance Manager
J. Griffin, Regulatory Assurance - NRC Coordinator
D. Gronek, Work Management Director
T. Hanley, Engineering Director
R. Laburn, Radiation Protection
S. McCain, Corporate Emergency Preparedness Manager
J. Meyer, Nuclear Oversight
P. Quealy, Emergency Preparedness Manager
P. Selzer, Emergency Preparedness Coordinator
J. Sipek, Assistant Engineering Director
M. Wegemer, Nuclear Oversight

NRC personnel

M. Sheikh, Resident Inspector
J. McGhee, Acting Resident Inspector

Illinois Emergency Management Agency

R. Schulz, Illinois Emergency Management Agency

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Opened, Closed, and Discussed

None.

LIST OF DOCUMENTS REVIEWED

The following is a list of documents reviewed during the inspection. Inclusion on this list does not imply that the NRC inspectors reviewed the documents in their entirety but rather that selected sections of portions of the documents were evaluated as part of the overall inspection effort. Inclusion of a document on this list does not imply NRC acceptance of the document or any part of it, unless this is stated in the body of the inspection report.

1EP1 Exercise Evaluation

Dresden Station 2007 NRC Graded Exercise Manual, March 21, 2007; dated February 16, 2007

Dresden 2007 NRC Graded Exercise Evaluation Report; dated March 22, 2007

Assessment AT# 568102; Dresden NRC Exercise Inspection Self-Assessment Report; dated March 7, 2007

EP-MW-114-100-F-01; Nuclear Accident Reporting System (NARS) Forms; dated March 21, 2007

LS-AA-1150; Reactor Plant Event Notification Worksheet; dated March 21, 2007

40A1 Performance Indicator Verification

LS-AA-2110; Attachment 1; Monthly Data Elements for NRC Emergency Response Organization Drill Participation Records; dated October 2005 through December 2006

LS-AA-2120; Attachment 1; Monthly Data Elements for NRC Drill and Exercise Performance Records; dated October 2005 through December 2006

LS-AA-2130; Monthly Performance Indicator Elements for NRC Alert and Notification System Reliability; dated October 2005 through December 2006

LIST OF ACRONYMS USED

ADAMS	NRC's Document System
ANS	Alert and Notification System
CFR	Code of Federal Regulations
CRS	Control Room Simulator
DEP	Drill and Exercise Performance
DRS	Division of Reactor Safety
EOF	Emergency Operations Facility
ERO	Emergency Response Organization
NARS	Nuclear Accident Reporting System
NRC	United States Nuclear Regulatory Commission
PARS	Publicly Available Records
PI	Performance Indicator
TSC	Technical Support Center