

April 2, 2003

Mr. John L. Skolds, President  
Exelon Nuclear  
Exelon Generation Company, LLC  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: DRESDEN NUCLEAR POWER STATION  
NRC INSPECTION REPORT 50-237/03-03(DRS); 50-249/03-03(DRS)

Dear Mr. Skolds:

On March 28, 2003, 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 28, 2003, with Mr. R. Hovey 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 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the USNRC Public Document Room or from the Publicly Available Records (PARS) component of USNRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

*/RA/*

Sonia Burgess, Acting Chief  
Plant Support Branch  
Division of Reactor Safety

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

Enclosure: Inspection Report 50-237/03-03(DRS);  
50-249/03-03(DRS)

See Attached Distribution

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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  
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M. Aguilar, Assistant Attorney General  
Illinois Department of Nuclear Safety  
State Liaison Officer  
Chairman, Illinois Commerce Commission  
W. Curtis, FEMA, Region V

Dresden Nuclear Power Station Plant Manager  
Regulatory Assurance Manager - Dresden  
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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  
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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

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

Report No: 50-237/03-03(DRS); 50-249/03-03(DRS)

Licensee: Exelon Generation Company, LLC

Facility: Dresden Nuclear Power Station, Units 2 and 3

Location: 6500 North Dresden Road  
Morris, IL 60450

Dates: March 24 through March 28, 2003

Inspectors: T. Ploski, Senior Emergency Preparedness Inspector  
R. Jickling, Emergency Preparedness Inspector  
R. Schmitt, Radiation Protection Inspector  
B. Dickson, Resident Inspector

Observers: D. Eskins, Resident Inspector  
C. Zoia, Examiner  
R. Echoles, Engineer

Approved by: Sonia Burgess, Acting Chief  
Plant Support Branch  
Division of Reactor Safety

## SUMMARY OF FINDINGS

IR 05000237-03-03(DRS), 05000249-03-03(DRS); Exelon Generation Company, LLC; on 03/24-03/28/2003; Dresden Station, Units 2 and 3. Emergency Preparedness Specialist Report.

The report covers a one-week baseline inspection by two regional emergency preparedness inspectors, a radiation protection inspector, and a resident inspector. 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 fifteen-month period ending December 31, 2002. No findings of significance were identified.

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.

## REPORT DETAILS

### 1. REACTOR SAFETY

#### **Cornerstone: Emergency Preparedness**

#### 1EP1 Exercise Evaluation (71114.01)

##### a. Inspection Scope

The inspectors reviewed the March 26, 2003 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 a drill, which was conducted on February 2003, to determine whether the associated accident scenario was sufficiently different from the scenario used in the March 26, 2003 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;
- Technical Support Center (TSC);
- Operations Support Center (OSC); 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 TSC, OSC, 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 to obtain the licensee's refined assessments of its exercise participants' performances. These self-assessments were then compared with the inspectors' independent observations and assessments.

##### b. Findings

No findings of significance were identified.

4. **OTHER ACTIVITIES**

4OA1 Performance Indicator (PI) Verification (71151)

a. Inspection Scope

The inspectors reviewed the licensee's records related to each of the three emergency preparedness PIs to verify that the licensee's program was implemented consistent with the industry guidelines in Nuclear Energy Institute publication No. 99-02, "Regulatory Assessment Performance Indicator Guideline," Revision 2, 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 data submitted to USNRC for the period from October 2001 through December 2002.

b. Findings

No findings of significance were identified.

4OA6 Meetings

Exit Meeting

The inspectors presented the inspection results to Mr. R. Hovey and other members of licensee management and staff at the conclusion of the inspection on March 28, 2003. The licensee acknowledged the information presented. No proprietary information was identified.



## KEY POINTS OF CONTACT

### Licensee

D. Bost, Plant Manager  
J. Hansen, Regulatory Assurance Manager  
J. Henry, Operations Manager  
R. Hovey, Site Vice President  
M. Pavey, Emergency Preparedness Coordinator  
P. Quealey, Emergency Preparedness Manager  
R. Quick, Security Manager  
R. Ruffin, NRC Coordinator  
J. Sipek, Nuclear Oversight Manager  
S. Taylor, Radiation Protection Manager  
K. Wallach, Public Relations  
D. Williams, Work Management

## LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

### Opened

None

### Closed

None

### Discussed

None

## LIST OF DOCUMENTS REVIEWED

### 1EP1 Exercise Evaluation

Dresden February 2003 Pre-exercise Scenario Manual

Dresden 2003 Pre-exercise Findings and Observations Report; dated March 7, 2003

Readiness Assessment of Inspectable Emergency Preparedness Program Areas  
Evaluated by NRC During Week of the Graded Exercise; dated March 14, 2003

Memorandum to Dresden Station ERO Members; Enhancement to ERO Response  
Capabilities and Expectations; dated March 6, 2003

Dresden March 2003 Exercise Scenario Manual

Draft Dresden 2003 Biennial Exercise Critique Report; dated March 27, 2003

CR 00118865; Plant Public Address System Operability Concerns

CR 00138091; Concerns on December 2002 Assembly/Accountability Drill

CR 00131283; TSC and OSC Equipment Concerns

CR 00147248; Controller and Scenario Issues from Pre-exercise Drill

4OA1 Performance Indicator Verification

LS-AA-2110; Monthly PI Data Elements for ERO Drill Participation; Revision 5; From October 2001 Through December 2002

LS-AA-2120; Monthly PI Data Elements for Drill and Exercise Performance; Revisions 1 and 2; From October 2001 Through December 2002

LS-AA-2130; Monthly PI Data Elements for ANS Reliability; Revision 3; From October 2001 Through December 2002

CR 00114164; Grundy County Officials Did Not Perform a Monthly Full Volume ANS Test in July 2002

## LIST OF ACRONYMS USED

ANS	Alert and Notification System
CFR	Code of Federal Regulations
CR	Condition Report
DEP	Drill and Exercise Performance
DRS	Division of Reactor Safety
EOF	Emergency Operations Facility
ERO	Emergency Response Organization
IR	Inspection Report
NUREG	Nuclear Regulatory Guide
OSC	Operations Support Center
PI	Performance Indicator
TSC	Technical Support Center
USNRC	United States Nuclear Regulatory Commission