

May 15, 2001

Mr. Oliver D. Kingsley, President  
Exelon Nuclear  
Exelon Generation Company, LLC  
1400 Opus Place, Suite 500  
Downers Grove, IL 60515

SUBJECT: DRESDEN NUCLEAR GENERATING STATION UNITS 2 AND 3  
NRC INSPECTION REPORT 50-237/01-10(DRS); 50-249/01-10(DRS)

Dear Mr. Kingsley :

On May 4, 2001, the NRC completed an inspection at your Dresden Nuclear Generating Station, Units 2 and 3. The enclosed report documents the inspection findings which were discussed on May 4, 2001, with Mr. P. Swafford 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.

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 NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

Sincerely,

**/RA by James E. Foster Acting for/**

Wayne J. Slawinski, Acting Chief  
Plant Support Branch  
Division of Reactor Safety

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

Enclosure: Inspection Report 50-237/01-10(DRS);  
50-249/01-10(DRS)

See Attached Distribution

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O. Kingsley

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cc w/encl: W. Bohlke, Senior Vice President, Nuclear Services  
C. Crane, Senior Vice President - Mid-West Regional  
J. Cotton, Senior Vice President - Operations Support  
J. Benjamin, Vice President - Licensing and Regulatory Affairs  
H. Stanley, Operations Vice President  
J. Skolds, Chief Operating Officer  
R. Krich, Director - Licensing  
R. Helfrich, Senior Counsel, Nuclear  
DCD - Licensing  
P. Swafford, Site Vice President  
R. Fisher, Station Manager  
D. Ambler, Regulatory Assurance Manager  
M. Aguilar, Assistant Attorney General  
Illinois Department of Nuclear Safety  
State Liaison Officer  
Chairman, Illinois Commerce Commission  
W. Curtis, FEMA, Region V

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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: 50-237/01-10(DRS); 50-249/01-10(DRS)

Licensee: Exelon Generation Company, LLC

Facility: Dresden Nuclear Generating Station, Units 2 and 3

Location: 6500 N. Dresden Road  
Morris, IL 60450

Dates: April 30 through May 4, 2001

Inspectors: T. Ploski, Senior Emergency Preparedness Analyst  
R. Jickling, Emergency Preparedness Analyst  
J. Foster, Emergency Response Coordinator  
D. Smith, Senior Resident Inspector

Approved by: Wayne J. Slawinski, Acting Chief  
Plant Support Branch  
Division of Reactor Safety

## SUMMARY OF FINDINGS

IR 05000237-01-10(DRS), IR 05000249-01-10(DRS), on 4/30-5/4/2001, Exelon Generation Company LLC, Dresden Nuclear Generating Station, Units 2 & 3. Emergency Preparedness Specialist Report.

The report covers a one baseline inspection by three regional emergency preparedness inspectors and a resident inspector that focused on the Reactor Safety, Emergency Preparedness Cornerstone, and included the following: evaluation of licensee's capability to assess its performance during the biennial emergency preparedness exercise; and review of the three emergency preparedness performance indicators. No findings of significance were identified. The significance of most findings is indicated by their color (Green, White, Yellow, Red) using IMC 0609 "Significance Determination Process" (SDP). The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described at its Reactor Oversight Process website at <http://www/nrc.gov/NRR/OVERSIGHT/index.html>. Findings for which the SDP does not apply are indicated by "No Color" or by the severity level of the applicable violations.

## Report Details

### Summary of Plant Status

The plant was at about 100 percent power throughout the inspection period.

## **1. REACTOR SAFETY**

### **Cornerstone: Emergency Preparedness**

#### 1EP1 Drill, Exercise, and Actual Events

##### a. Inspection Scope

The inspectors reviewed the 2001 exercise's objectives and scenario to ensure that the exercise would acceptably test major elements of the licensee's emergency plan. The inspectors verified that the simulated problems provided an acceptable framework to support demonstration of the licensee's capabilities to implement its emergency plan. The inspectors also reviewed records of practice drills conducted in March and April 2001, to determine whether the associated scenarios were sufficiently different from the scenario used in the May 2, 2001 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)
- Operations Support Center (OSC)
- Emergency Operations Facility (EOF)

The inspectors also assessed the licensee's recognition of abnormal plant conditions, transfer of responsibilities between facilities, internal communications, interface 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 OSC, 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 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

a. Inspection Scope

The inspectors reviewed the licensee's records related to each of the three emergency preparedness indicators, Alert and Notification System (ANS), Emergency Response Organization (ERO) Drill Participation, and Drill and Exercise Performance (DEP), to verify the accuracy and completeness of the data submitted for the period October 2000 through March 2001. The inspectors also reviewed procedural guidance related to the gathering and assessment of PI-related information. Records related to the raw data for each indicator were evaluated.

b. Findings

No findings of significance were identified.

4OA6 Management Meetings

Exit Meeting Summary

The inspectors presented the inspection results to Mr. P. Swafford and other members of licensee management and staff at the conclusion of the inspection on May 4, 2001. The licensee acknowledged the information presented. No proprietary information was identified.



## KEY POINTS OF CONTACT

### Licensee

S. Butterfield, Regulatory Assurance Coordinator  
R. Fisher, Station Manager  
M. Friedman, EP Coordinator  
V. Gengler, Security Manager  
S. McCain, Corporate EP Manager  
R. Norris, Radiation Protection Supervisor  
R. Ruffin, Regulatory Assurance Manager  
D. Schupp, Operations Manager  
J. Sipek, Nuclear Oversight Manager  
P. Swafford, Site Vice President  
D. VanAken, EP Instructor

## LIST OF ACRONYMS USED

ANS	Alert and Notification System
CFR	Code of Federal Regulations
CR	Condition Report
CRS	Control Room Simulator
DEP	Drill and Exercise Performance
DRS	Division of Reactor Safety
EOF	Emergency Operations Facility
EP	Emergency Preparedness
ERO	Emergency Response Organization
FEMA	Federal Emergency Management Agency
GSEP	Generating Stations Emergency Plan
IR	Inspection Report
NRC	Nuclear Regulatory Commission
OA	Other Activities
OSC	Operations Support Center
PI	Performance Indicator
TSC	Technical Support Center

## LIST OF DOCUMENTS REVIEWED

### 1EP1 Drill, Exercise, and Actual Events

	Generating Stations Emergency Plan (GSEP)	Revision 8
	Dresden Station Annex to the GSEP	Revision 10
EP-AA-110	Assessment of Emergencies	Revision 0
EP-AA-111	Classification of Emergencies	Revision 0
EP-AA-112	ERO and Facility Activation and Operation	Revision 1
EP-AA-113	Protective Actions	Revision 1
EP-AA-114	Notifications	Revision 1
	March 2001 Drill Manual	March 21, 2001
	April 2001 Drill Manual	April 17, 2001
RS-AA-122-110	2001 Pre-Exercise Findings and Observations Report	April 25, 2001
	Preliminary Report - 2001 Dresden Station Exercise	May 4, 2001
CR#D2001-01668	GSEP Pre-Exercise Identifies Weakness in Timely Notification of EOF	March 26, 2001
CR#D2001-01672	GSEP Pre-Exercise Identified Weakness in Identifying Release Path	March 26, 2001
CR#D2001-01679	GSEP Pre-Exercise Critique Identifies Problems With Pre-Job Briefs in the OSC	March 26, 2001
CR#D2001-01681	GSEP Pre-Exercise Critique Identifies Delay in Notification	March 26, 2001
AR#00048017	GSEP Observations and Lessons Learned From March 21 Drill	March 28, 2001
CR#00049416	Dresden 2001 Pre-Exercise EOF-1	April 16, 2001
CR#00049420	Dresden 2001 Pre-Exercise EOF-3	April 16, 2001
CR#00049422	Dresden 2001 Pre-Exercise EOF-5	April 16, 2001
CR#00049422	Dresden 2001 Pre-Exercise EOF-9	April 16, 2001
CR#00049422	Dresden 2001 Pre-Exercise EOF-10	April 16, 2001

### 4OA1 Performance Indicator (PI) Verification

RS-AA-122-108	Performance Indicator-ERO Drill and Exercise Performance - Monthly Reports October 2000 through March 2001	Revision 1
RS-AA-122-109	Performance Indicator-ERO Drill Participation - Monthly Reports October 2000 through March 2001	Revision 1
RS-AA-122-110	Performance Indicator-ANS Reliability - Monthly Reports October 2000 through March 2001	Revision 1