

October 20, 2002

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

SUBJECT: BRAIDWOOD STATION
USNRC INSPECTION REPORT 50-456/02-08(DRS); 50-457/02-08(DRS)

Dear Mr. Skolds:

On October 11, 2002, the NRC completed an inspection at your Braidwood Station. The enclosed report documents the inspection findings, which were discussed on October 11, 2002, with Mr. J. von Suskil 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 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/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA by Wayne Slawinski Acting For/

Kenneth R. Riemer, Chief
Plant Support Branch
Division of Reactor Safety

Docket Nos. 50-456; 50-457
License Nos. NPF-72; NPF-77

Enclosure: Inspection Report 50-456/02-08(DRS); 50-457/02-08(DRS)

See Attached Distribution

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

SUBJECT: BRAIDWOOD STATION
USNRC INSPECTION REPORT 50-456/02-08(DRS); 50-457/02-08(DRS)

Dear Mr. Skolds:

On October 11, 2002, the NRC completed an inspection at your Braidwood Station. The enclosed report documents the inspection findings, which were discussed on October 11, 2002, with Mr. J. von Suskil 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 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/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA by Wayne Slawinski Acting For/

Kenneth R. Riemer, Chief
Plant Support Branch
Division of Reactor Safety

Docket Nos. 50-456; 50-457
License Nos. NPF-72; NPF-77

Enclosure: Inspection Report 50-456/02-08(DRS); 50-457/02-08(DRS)

See Attached Distribution

DOCUMENT NAME: C:\ORPCheckout\FileNET\ML022950425.wpd

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	RIII	E	RIII	RIII		
NAME	TPloski:sd		AStone	KRiemer		
DATE	10/17/02		10/20/02	10/17/02		

OFFICIAL RECORD COPY

cc w/encl: Site Vice President - Braidwood
Braidwood Station Plant Manager
Regulatory Assurance Manager - Braidwood
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 - Braidwood and Byron
Senior Counsel, Nuclear, Mid-West Regional
Operating Group
Document Control Desk - Licensing
M. Aguilar, Assistant Attorney General
Illinois Department of Nuclear Safety
State Liaison Officer
Chairman, Illinois Commerce Commission
W. Curtis, FEMA, Region V

cc w/encl: Site Vice President - Braidwood
Braidwood Station Plant Manager
Regulatory Assurance Manager - Braidwood
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 - Braidwood and Byron
Senior Counsel, Nuclear, Mid-West Regional
Operating Group
Document Control Desk - Licensing
M. Aguilar, Assistant Attorney General
Illinois Department of Nuclear Safety
State Liaison Officer
Chairman, Illinois Commerce Commission
W. Curtis, FEMA, Region V

ADAMS Distribution:

AJM
DFT
MLC
RidsNrrDipmlipb
GEG
HBC
SPR
C. Ariano (hard copy)
DRPIII
DRSIII
PLB1
JRK1

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos: 50-456; 50-457
License Nos: NPF-72, NPF-77

Report No: 50-456/02-08(DRS); 50-457/02-08(DRS)

Licensee: Exelon Generation Company, LLC

Facility: Braidwood Station

Location: 35100 S. Route 53, Suite 84
Braceville, IL 60407-9617

Dates: October 7 through October 11, 2002

Inspectors: T. Ploski, Senior Emergency Preparedness Inspector
R. Jickling, Emergency Preparedness Inspector
S. Ray, Senior Resident Inspector
N. Shah, Resident Inspector

Observers: T. Bilik, Engineering Inspector
J. Neurauter, Engineering Inspector

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

SUMMARY OF FINDINGS

IR 05000456-02-08(DRS), 05000457-02-08(DRS); Exelon Generation Company, LLC; on 10/07-10/11/2002, Braidwood Station. Emergency Preparedness Specialist Report.

The report covers a one-week baseline inspection by two regional emergency preparedness inspectors and two resident inspectors. 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 nine-month period ending June 30, 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 October 9, 2002 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 September 13, 2002, to determine whether the associated accident scenario was sufficiently different from the scenario used in the October 9, 2002 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 NRC for the period from October 2001 through June 2002.

b. Findings

No findings of significance were identified.

4OA6 Meetings

Exit Meeting

The inspectors presented the inspection results to Mr. J. von Suskil and other members of licensee management and staff at the conclusion of the inspection on October 11, 2002. The licensee acknowledged the information presented. No proprietary information was identified.

KEY POINTS OF CONTACT

Licensee

K. Alshire, Emergency Planning Coordinator
J. Bailey, Regulatory Assurance Engineer
R. Blaine, Radiation Protection Manager
A. Ferko, Regulatory Assurance Manager
J. Gerrity, Corporate Emergency Planner
R. Gilbert, Nuclear Oversight Manager
T. Joyce, Plant Manager
S. McCain, Corporate Emergency Planning Manager
J. von Suskil, Site Vice President

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

Opened

None

Closed

None

Discussed

None

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
NRC	Nuclear Regulatory Commission
NUREG	Nuclear Regulatory Guide
OSC	Operations Support Center
PI	Performance Indicator
TSC	Technical Support Center

LIST OF DOCUMENTS REVIEWED

1EP1 Exercise Evaluation

	October 9, 2002 Biennial Exercise Scenario Manual	
	September 13, 2002 Drill Scenario Summary and Draft Critique Report	
EP-AA-110	Assessment of Emergencies	Revision 2
EP-AA-111	Emergency Classification and Protective Action Recommendations	Revision 4
EP-AA-112	ERO and Emergency Response Facility Activation and Operation	Revision 6
EP-AA-112-100	Control Room Activation and Operation	Revision 4
EP-AA-112-200	TSC Activation and Operation	Revision 3
EP-AA-112-300	OSC Activation and Operation	Revision 3
EP-AA-112-400	EOF Activation and Operation	Revision 3
EP-AA-113	Personnel Protective Actions	Revision 4
EP-AA-114	Notifications	Revision 3
EP-MW-110-200	Dose Assessment	Revision 1
EP-MW-113-100	Assembly, Evacuation, and Accountability	Revision 0
EP-MW-114-100	Midwest Operations Group Offsite Notifications	Revision 1
	Draft Critique Summary for October 9, 2002 Exercise	October 10, 2002

4OA1 Performance Indicator Verification

LS-AA-2110	Monthly PI Data Elements for ERO Drill Participation	Revision 2
LS-AA-2120	Monthly PI Data Elements for Drill/Exercise Performance	Revision 2
LS-AA-2130	Monthly PI Data Elements for ANS Reliability	Revision 2
	Quarterly Records of Key ERO Members' Drill and Exercise Participation, October 2001 Through June 2002	
	Records of DEP PI Opportunities, October 2001 Through June 2002	
	Daily and Monthly Records of ANS Operability Test Results, October 2001 Through June 2002	