

March 19, 2004

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

SUBJECT: LASALLE COUNTY STATION, UNITS 1 AND 2  
NRC EMERGENCY PREPAREDNESS INSPECTION  
REPORT 05000373/2004006(DRS); 05000374/2004006(DRS)

Dear Mr. Crane:

On March 12, 2004, the NRC completed an inspection at your LaSalle County Station. The enclosed report documents the inspection findings, which were discussed on March 12, 2004, with Mr. G. Barnes 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 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/*

Kenneth Riemer, Chief  
Plant Support Branch  
Division of Reactor Safety

Docket Nos. 50-373; 50-374  
License Nos. NPF-11; NPF-18

Enclosure: Inspection Report 05000373/2004006(DRS);  
05000374/2004006(DRS)

See Attached Distribution

C. Crane

-2-

cc w/encl: Site Vice President - LaSalle County Station  
LaSalle County Station Plant Manager  
Regulatory Assurance Manager - LaSalle  
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 - Clinton and LaSalle  
Senior Counsel, Nuclear, Mid-West Regional  
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Document Control Desk - Licensing  
M. Aguilar, Assistant Attorney General  
Illinois Department of Nuclear Safety  
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: 50-373; 50-374  
License Nos: NPF-11; NPF-18

Report No: 05000373/2004006(DRS); 05000374/2004006(DRS)

Licensee: Exelon Generating Company, LLC

Facility: LaSalle County Station, Units 1 and 2

Location: 2601 N. 21<sup>st</sup> Street  
Marseilles, IL 61341

Dates: March 8 through March 12, 2004

Inspectors: T. Ploski, Senior Emergency Preparedness Inspector  
R. Jickling, Emergency Preparedness Inspector  
D. Eskins, Resident Inspector

Observers: M. Franke, Reactor Engineer  
B. Jose, Engineer  
R. Ng, Reactor Engineer

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

Enclosure

## SUMMARY OF FINDINGS

IR 05000373/2004006(DRS) and 05000374/2004006(DRS); 03/08/2004 - 03/12/2004; LaSalle County Station; Emergency Preparedness Specialist Report.

The report covers a one-week baseline inspection by two regional emergency preparedness inspectors 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 period April 1, 2003 through December 31, 2003. 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.

**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 2004 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 a summary of an emergency preparedness drill, which was conducted in February 2004, to determine whether that scenario was sufficiently different from the scenario used in the March 10, 2004 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); 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 to assess the licensee's ability to adequately critique station performance during the exercise.

##### b. Findings

No findings of significance were identified.

1EP4 Emergency Action Level and Emergency Plan Changes (71114.04)

a. Inspection Scope

The inspectors reviewed Revision 15 of the Exelon Nuclear Standardized Emergency Plan to determine if changes identified in this revision reduced the Plan's effectiveness for the licensee's operating nuclear stations in Illinois, pending on-site inspection of the implementation of these changes.

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 associated with 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 PI data submitted to NRC for the period from April 2003 through December 2003. The following PIs were reviewed:

Common

- ANS;
- ERO Drill Participation; and
- Drill and Exercise Performance.

b. Findings

No findings of significance were identified.

4OA6 Meetings

.1 Exit Meeting

An exit meeting was conducted for:

- Emergency Preparedness with Mr. G. Barnes and other members of licensee management and staff at the conclusion of the inspection on March 12, 2004. The licensee acknowledged the information presented. No proprietary information was identified.



.2 Public and Media Briefing

- On March 12, 2004, an inspector summarized the NRC's preliminary conclusions on the licensee's exercise and critique performances at a public and media briefing hosted by Federal Emergency Management Agency staff in Ottawa, Illinois.

ATTACHMENT: SUPPLEMENTAL INFORMATION

## **SUPPLEMENTAL INFORMATION**

### **KEY POINTS OF CONTACT**

#### Licensee

G. Barnes, Site Vice President  
L. Coyle, Operations Director  
D. Czufin, Engineering Director  
J. Eggart, Emergency Preparedness Coordinator  
S. Fatora, Radiation Protection Department Manager  
A. Ferko, Nuclear Oversight Manager  
B. Kapellas, Radiation Protection Manager  
B. Lindsay, Acting Training Director  
S. Marik, Shift Operations Supervisor  
S. McCain, Corporate Emergency Preparedness Manager  
D. Rhodes, Work Management Director  
W. Riffer, Emergency Preparedness Manager

#### Illinois Emergency Management Agency

J. Yesinowski, Resident Inspector

### **LIST OF ITEMS OPENED, CLOSED AND DISCUSSED**

#### Opened and Closed

None.

#### 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

LaSalle County Station Exercise Scenario Manual; dated March 10, 2004

Pre-Exercise Drill Scenario Manual; dated February 17, 2004

Draft LaSalle 2004 Pre-Exercise Findings and Observations Report; undated

Draft LaSalle 2004 Exercise Findings and Observations Report; undated

LaSalle County Station Annex to the Exelon Standardized Emergency Plan; Revision 16

EP-AA-110-301; Core Damage Assessment - Boiling Water Reactors; Revision 2

EP-AA-111; Emergency Classification and Protective Action Recommendations;  
Revision 7

EP-AA-112; Emergency Response Organization and Emergency Response Facility  
Activation and Operation; Revision 8

EP-AA-112-100; Control Room Operation; Revision 5

EP-AA-112-200; TSC Activation and Operation; Revision 4

EP-AA-112-201; TSC Command and Control; Revision 1

EP-AA-112-202; TSC Facility Support Group; Revision 1

EP-AA-112-203; TSC Operations Group; Revision 1

EP-AA-112-204; TSC Technical Support Group; Revision 1

EP-AA-112-205; TSC Maintenance Group; Revision 1

EP-AA-112-206; TSC Radiation Protection/Chemistry Group; Revision 1

EP-AA-112-300; OSC Activation and Operation; Revision 4

EP-AA-112-400; EOF Activation and Operation; Revision 4

EP-AA-112-402; EOF Command and Control; Revision 1

EP-AA-112-403; EOF Logistics Support Group; Revision 2

EP-AA-112-404; EOF Technical Support Group; Revision 1

EP-AA-112-405; EOF Protective Measures Group; Revision 1

EP-AA-113; Personnel Protective Actions; Revision 3

EP-AA-114; Notifications; Revision 4

EP-MW-110-200; Dose Assessment; Revision 2

1EP4 Emergency Action Level and Emergency Plan Changes

Exelon Standardized Emergency Plan; Revision 15

4OA1 Performance Indicator Verification

LaSalle County Station's Emergency Planning Zone Sirens' Daily and Monthly Operability Reports - April 2003 Through December 2003

LS-AA-2110; Monthly PI Data Elements for ERO Drill Participation - April 2003 Through December 2003; Revision 5

LS-AA-2120; Monthly PI Data Elements for Drill/Exercise Performance - April 2003 Through December 2003; Revision 3

LS-AA-2130; Monthly PI Data Elements for ANS Reliability - April 2003 Through December 2003; Revision 3

Focus Area Self-Assessment (FASA) Report; Readiness Assessment of Emergency Preparedness Program Areas to be Evaluated by NRC During Week of Graded Exercise; undated

CR 197159; Minor Error Identified During the FASA in July 2003 DEP Indicator Data

CR 197164; Enhancement Identified During the FASA in Compiling ANS Records

CR 197176; No CRs Generated for Two DEP Indicator Failed Opportunities in 2003

## LIST OF ACRONYMS USED

ANS	Alert and Notification System
CR	Condition Report
CRS	Control Room Simulator
DEP	Drill and Exercise Performance
EOF	Emergency Operations Facility
ERO	Emergency Response Organization
FASA	Focus Area Self-Assessment
NRC	Nuclear Regulatory Commission
NUREG	Nuclear Regulatory Guide
OSC	Operations Support Center
PI	Performance Indicator
TSC	Technical Support Center