



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, ILLINOIS 60532-4352

August 22, 2018

Mr. Bryan C. Hanson  
Senior VP, Exelon Generation Company, LLC  
President and CNO, Exelon Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: LASALLE COUNTY STATION, UNITS 1 AND 2—NRC EMERGENCY  
PREPAREDNESS INSPECTION REPORT 05000373/2018503 AND  
05000374/2018503

Dear Mr. Hanson:

On August 9, 2018, the U.S. Nuclear Regulatory Commission (NRC) completed an Emergency Preparedness inspection at your LaSalle County Station, Units 1 and 2. The NRC inspectors discussed the results of this inspection with Mr. Trafton and other members of your staff. The results of this inspection are documented in the enclosed report.

The NRC Inspectors did not identify any finding or violation of more-than-minor significance.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations*, Part 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

***/RA Nathan Egan Acting for/***

Steven K. Orth, Chief  
Plant Support Branch  
Division of Reactor Safety

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

Enclosure:  
IR 05000373/2018503; 05000374/2018503

cc: Distribution via ListServ®

Letter to Bryan C. Hanson from Steven K. Orth dated August 22, 2018

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PREPAREDNESS INSPECTION REPORT 05000373/2018503 AND  
05000374/2018503

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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: 05000373/2018503; 05000374/2018503

Enterprise Identifier: I–2018–503–0007

Licensee: Exelon Generation Company, LLC

Facility: LaSalle County Station, Units 1 and 2

Location: Marseilles, IL

Dates: July 2, 2018; August 6, 2018, through August 9, 2018

Inspectors: M. Garza, Emergency Preparedness Inspector  
G. Hansen, Sr. Emergency Preparedness Inspector  
A. Nguyen, Sr. Resident Inspector, Dresden  
J. Bozga, Sr. Reactor Inspector

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

Enclosure

## **SUMMARY**

The U.S. Nuclear Regulatory Commission continued monitoring licensee's performance by conducting an Emergency Preparedness Inspection at LaSalle County Station, Units 1 and 2, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the U.S. Nuclear Regulatory Commission's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information.

### **List of Findings and Violations**

No findings or violations were identified.

### **Additional Tracking Items**

None.

## **INSPECTION SCOPES**

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

## **REACTOR SAFETY**

### **71114.01—Exercise Evaluation (1 Sample)**

The inspectors evaluated the August 7, 2018, Biennial Emergency Plan Exercise. The exercise scenario simulated an event at LaSalle County Station that initiated with the declaration of an Unusual Event in response to a malfunction of plant equipment. The scenario conditions simulated the escalation of the significance of the event, requiring the declaration and notification of an Alert, a Site Area Emergency, and then a General Emergency, as well as the development of Protective Action Recommendations that were communicated to the required state and local government agencies.

### **71114.08—Exercise Evaluation—Scenario Review (1 Sample)**

The inspectors reviewed and evaluated the proposed scenario for the Biennial Emergency Plan Exercise on July 2, 2018.

## **OTHER ACTIVITIES—BASELINE**

### **71151—Performance Indicator Verification**

The inspectors verified licensee performance indicators submittals listed below. (3 Samples)

- (1) EP01: Drill/Exercise Performance (DEP) –1 Sample (1<sup>st</sup> Quarter of 2017 through 1<sup>st</sup> Quarter of 2018);
- (2) EP02: Emergency Response Organization (ERO) Drill Participation—1 Sample (1<sup>st</sup> Quarter of 2017 through 1<sup>st</sup> Quarter of 2018); and
- (3) EP03: Alert And Notification System (ANS) Reliability—1 Sample (1<sup>st</sup> Quarter of 2017 through 1<sup>st</sup> Quarter of 2018).

## **INSPECTION RESULTS**

No findings or violations were identified.

## **EXIT MEETINGS AND DEBRIEFS**

The inspectors confirmed that proprietary information was controlled to protect from public disclosure. No proprietary information was documented in this report.

- On August 9, 2018, the inspectors presented the Emergency Preparedness inspection results to Mr. B. Trafton, Site Vice President, and other members of the licensee staff.

## DOCUMENTS REVIEWED

### 71114.01—Exercise Evaluation

- EP-AA-1005; Radiological Emergency Plan Annex for LaSalle Station; Revision 40
- LaSalle PI Drill Reports; 3<sup>rd</sup> Quarter of 2016 through 1<sup>st</sup> Quarter of 2018
- AR 02709108; 2016 3<sup>rd</sup> Quarter Drill Objective Failure; 08/24/2016
- AR 02728275; EP Drill Obj Failure PI Drill Team B; 08/24/2016
- AR 02735479 3<sup>rd</sup> Quarter of 2016 Drill Lessons Learned – August; 08/24/2016
- AR 03961949; Drill Report Discrepancies; 01/11/2017
- AR 04012485; 2<sup>nd</sup> Quarter of 2017 LORT/PI Drill Exercise MGMT and Scenario Issues; 05/18/2017
- AR 04012486; 2<sup>nd</sup> Quarter of 2017 LORT/PI Drill Facilities and Equipment Issues; 06/17/2017
- AR 04047803; LAS-EP-2017-OYE-TSC-FAILED DCS; 08/30/2017
- AR 04047828; LAS-EP-2017-OYE-SIM-FAILED DC; 08/30/2017
- AR 04047824; LAS-EP-2017-OYE-OSC-FAILED DC; 08/31/2017
- AR 04086120; Demonstration Criteria Failure for 4<sup>th</sup> Quarter of 2017 Paper Driven Drills; 12/06/2017
- AR 04053640; 3<sup>rd</sup> Quarter of 2017 August Drill Set Failed Demonstration Criteria; 02/16/2018
- AR 04047904; EP-LAS-2017 OYE Issues; 02/23/2018
- AR 04109571; 1<sup>st</sup> Quarter of 2018 Drill Set Demonstration Criteria Failures; 02/28/2018

### 71114.08—Exercise Evaluation—Scenario Review

- LaSalle County Station 2018 NRC Graded Exercise Manual; 06/04/2018

### 71151—Performance Indicator Verification

- NRC Performance Indicator Data, Emergency Preparedness – Alert and Notification System Reliability; 1<sup>st</sup> Quarter of 2017 through 1<sup>st</sup> Quarter of 2018
- NRC Performance Indicator Data, Emergency Preparedness – Drill/Exercise Performance; 1<sup>st</sup> Quarter of 2017 through 1<sup>st</sup> Quarter of 2018
- NRC Performance Indicator Data, Emergency Preparedness – ERO Readiness; 1<sup>st</sup> Quarter of 2017 through 1<sup>st</sup> Quarter of 2018