



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

June 05, 2020

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 – TRIENNIAL FIRE PROTECTION INSPECTION
REPORT 05000373/2020012 AND 05000374/2020012

Dear Mr. Hanson:

On May 15, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at LaSalle County Station and discussed the results of this inspection with Mr. P. Hansett, plant manager and other members of your staff. The results of this inspection are documented in the enclosed report.

No findings or violations of more than minor significance were identified during this inspection.

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* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

/RA/

Paul J. Zurawski, Chief (Acting)
Engineering Branch 3
Division of Reactor Safety

Docket Nos. 05000373 and 05000374
License Nos. NPF-11 and NPF-18

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Bryan C. Hanson from Paul J. Zurawski dated June 05, 2020.

SUBJECT: LASALLE COUNTY STATION – TRIENNIAL FIRE PROTECTION INSPECTION
REPORT 05000373/2020012 AND 05000374/2020012

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Numbers: 05000373 and 05000374

License Numbers: NPF-11 and NPF-18

Report Numbers: 05000373/2020012 and 05000374/2020012

Enterprise Identifier: I-2020-012-0022

Licensee: Exelon Generation Company, LLC

Facility: LaSalle County Station

Location: Marseilles, IL

Inspection Dates: April 27, 2020 to May 15, 2020

Inspectors: J. Benjamin, Senior Reactor Inspector
A. Dahbur, Senior Reactor Inspector
A. Shaikh, Senior Reactor Inspector

Approved By: Paul J. Zurawski, Chief (Acting)
Engineering Branch 3
Division of Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a triennial fire protection inspection at LaSalle County Station, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC'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 of more than minor significance 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 (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors reviewed selected procedures and records and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards. Starting on March 20, 2020, in response to the National Emergency declared by the President of the United States on the public health risks of the coronavirus (COVID-19), regional inspectors were directed to begin telework. The inspection documented below was determined that the objectives and requirements stated in the IP could be performed remotely.

REACTOR SAFETY

71111.21N.05 - Fire Protection Team Inspection (FPTI)

SSC Credited for Fire Prevention, Detection, Suppression, or Post-Fire SSD Review (IP Section 03.01) (3 Samples)

The inspectors verified that following selected components and/or systems will function as required to support the credited functions stated for each sample. Additional inspection considerations are located in the fire hazards analysis (FHA) or safe shutdown analysis (SSA).

- (1) High Pressure Core Spray (HPCS)
- (2) Automatic Depressurization System (ADS) Division II
- (3) Diesel Fire Pumps

Fire Protection Program Administrative Controls (IP Section 03.02) (1 Sample)

The inspectors verified that the following selected control or process is implemented in accordance with the licensee's current licensing basis. If applicable, ensure that the licensee's FPP contains adequate procedures to implement the selected administrative control. Verify that the selected administrative control meets the requirements of all committed industry standards.

- (1) Control of Transient Combustible Material

Fire Protection Program Changes/Modifications (IP Section 03.03) (1 Sample)

- (1) Generic Letter 86-10 Evaluation for Removal of Fire Detectors in Unit 1 and Unit 2 Containment

For the selected change/modification, the inspectors verified the following:

- a. Changes to the approved FPP do not constitute an adverse effect on the ability to safely shutdown.

- b. The adequacy of the design modification, if applicable.
- c. Assumptions and performance capability stated in the SSA have not been degraded through changes or modifications.
- d. The FPP documents, such as the Updated Final Safety Analysis Report, fire protection report, FHA, and SSA were updated consistent with the FPP or design change.
- e. Post-fire SSD operating procedures, such as abnormal operating procedures, affected by the modification were updated.

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On May 15, 2020, the inspectors presented the triennial fire protection inspection results to Mr. P. Hansett, plant manager and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.21N.05	Calculations	L-002808	Fire Protection Hydraulic Model	04/20/2004
	Corrective Action Documents	03998250	LOS-FP-SR2 Yard Loop Flow Test Results	04/13/2017
		04213919	Transient Combustible Permit Will Exceed 30 Days	01/25/2019
		04242799	Crack in Door 240	04/23/2019
		04272605	LOS-FP-SR2 Yard Loop Flow Test Results	08/16/2019
		04275147	Door 305 Has a Crack in the Door Skin	08/28/2019
	Drawings	1E-1-4201AB	Schematic Diagram - Automatic Depressurization System	U
		1E-1-4201AD	Schematic Diagram - Automatic Depressurization System (Part 4)	AG
		1E-1-4222AC	Schematic Diagram - High Pressure Core Spray System (Part 3)	R
		1E-1-4222AE	Schematic Diagram - High Pressure Core Spray System (Part 5)	T
		1E-4222AD	Schematic Diagram - High Pressure Core Spray System (Part 4)	Q
		HP-1	High Pressure Core Spray System	2
		NB-1	Automatic Depressurization System	2
	Engineering Changes	EC 380790	MSO Mod for Valve 1E22-F004	08/06/2012
		EC 380791	MSO Mod for Valve 2E22-F004	04/17/2012
		EC 380791	MSO Mod for Valve 2E22-F004	04/05/2012
		EC-380784	MSO Perform IN 92-18 Modification for SRV (Scenarios 1, 3A, 3B and 3C)	2
	Engineering Evaluations	629906	GL 86-10 Evaluation for Removal of Fire Detectors in Unit 1 and Unit 2 Containment at LaSalle	11/06/2019
		FPP, Appendix H	Safe Shutdown Analysis	9
	Procedures	CC-AA-209	Fire Protection Program Configuration Change Review	6
		CC-AA-211	Fire Protection Program	8
		LA-PBD-AMP-XI.M26	Gall Program XI.M26 - Fire Protection	1
		LGA-001	RPV Control	18
		LOA-FX-101	Unit 1 Safe Shutdown with a Fire in the Control Room or	30

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			AEER	
		LOP-DO-01	Receiving and Sampling New Diesel Fuel Oil	40
		OP-AA-201-007	Fire Protection System Impairment Control	0
		OP-AA-201-009	Control of Transient Combustible Material	24
	Work Orders	01799165	Technical Requirement Yard Loop Flow Test	04/12/2017
		04627572	Technical Requirement Yard Loop Flow Test	08/16/2019
		04696776	Door 240 Needs to Be Replaced	09/06/2019
		04982035	FP Deluge Valve Lineup	02/04/2020
		WO 01040897	Non-Destructive Functional Test of 2B D/G Room Fire Damper ETLs	0
		WO 01057048	Non-Destructive Functional Test of 1B D/G Room Fire Damper ETLs	07/03/2012
		WO 01672891	Non-Destructive Functional Test of 2B D/G Room Fire Damper ETLs	0
		WO 01679528	Non-Destructive Functional Test of 1B D/G Room Fire Damper ETLs	05/05/2017
		WO 01782130	Inspection of Fire Door Separating Safety Related Fire Areas	05/04/2015
		WO 01877671	LES-Co-O3: CO2 System and Functional Test for 2E22-S001	06/01/2017
		WO 01878192	Fire Damper Visual Inspection	09/28/2017
		WO 01929284	LES-CO-O3: CO2 System Functional and Flow Test for 1B D/G Room	02/03/2018
		WO 04647331	LRA LES-CO-O3: CO2 System Functional and Flow Test for 2E22-S001	11/27/2018
		WO 04695869	LRA Fire Damper Visual Inspection	09/23/2019
		WO 04743107	LRA LES-CO-O3: CO2 System Functional and Flow Test for 1B D/G Room	10/31/2019
		WO 04914828	EWP-LRA-MM-Inspection of Fire Doors Separating SR Fire Areas	11/08/2019
WO 04984635	LOS-HP-Q1 U2 HPCS Pump Run	03/13/2020		
WO 05027823	LOS-FP-D1 Attachment 1 1A FP Door Daily Surveillance	0		