



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 30, 2020

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

SUBJECT: BYRON STATION – SECURITY BASELINE INSPECTION REPORT
05000454/2020401 AND 05000455/2020401

Dear Mr. Hanson:

On March 4, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Byron Station and discussed the results of this inspection with Mr. Curt Catencamp 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/

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

Docket Nos. 05000454 and 05000455
License Nos. NPF-37 and NPF-66

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Bryan C. Hanson from Steven K. Orth dated March 30, 2020.

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05000454/2020401 AND 05000455/2020401

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Numbers: 05000454 and 05000455

License Numbers: NPF-37 and NPF-66

Report Numbers: 05000454/2020401 and 05000455/2020401

Enterprise Identifier: I-2020-401-0056

Licensee: Exelon Generation Company, LLC

Facility: Byron Station

Location: Byron, IL; Warrenville, IL

Inspection Dates: January 14, 2020 to March 4, 2020

Inspectors: A. Anderson, Physical Security Inspector
E. Bonano, Physical Security Inspector
J. Kutlesa, Physical Security Inspector
M. Ziolkowski, Senior Physical Security Inspector

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

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a security baseline inspection at Byron 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

Unless otherwise noted, baseline security inspections were conducted in accordance with the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter 2201, "Security Inspection Program for Commercial Nuclear Power Reactors." 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. Publicly available IPs are located at: <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>.

SAFEGUARDS

71130.08 - Fitness For Duty Program

The inspectors evaluated the fitness for duty program by completing the following inspection elements:

Fitness For Duty Program (1 Sample)

- (1)
 - Tier I: All Requirements
 - Tier II: 02.05 a – h, j, l; 02.06 a - g; 02.07 a - e; 02.08 a - b; 02.09 a - b
 - Tier III: 02.11 a; 02.12 a; 02.13 c, d; 02.14 a, b

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On March 4, 2020, the inspectors presented the security baseline inspection results to Mr. Curt Catencamp and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.08	Miscellaneous	AR 4308339	NOS - AUDIT - BYR - 20 - 02	01/21/2020 - 02/14/2020
		FEN-NSQ-17-0019	FENOC Audit Report of MedTox Laboratories, Inc.	05/25/2017
		NE-2019-32	Exelon Supplier Audit (MedTox)	05/21/2019
		No. 2018-0001	HHS Laboratory Audit of MedTox, Xcel Energy Supplier Audit	05/10/2018
		NOSA-LAS-18-08; AR 4154893	NOS Audit, Fitness For Duty Program	
		SERs	Security Event Logs	06/01/2019 - 03/01/2020
	Procedures	LS-AA-119, Attachment 11	Department Head Review	13
		SY-AA-102	Exelon Generation Fitness For Duty Program	21
		SY-AA-102-202	Testing For Cause	20
		SY-AA-102-203	Treatment Plan and Follow-up Testing	7
		SY-AA-102-204	Random Selection and Notification Process	13
		SY-AA-102-205	Fitness For Duty Appeal Review	10
		SY-AA-102-206	Reporting Use of Medication	10
		SY-AA-102-208	Notification of Fitness For Duty Results	10
		SY-AA-102-220	Fitness For Duty Events Reporting	8
		SY-AA-102-222	Handling and Storage of Fitness For Duty Records	11
		SY-AA-102-224	Work Performance Investigation	4
		SY-AA-102-225	Fitness For Duty Screening Process	6
		SY-AA-102-226	Test Results and MRO Response	11
		SY-AA-102-229	Acceptance of the Exelon Fitness For Duty and Unescorted Access Program Requirements for Contractors and Vendors	10
		SY-AA-102-230	Designated Collection Facility	9
		SY-AA-102-240	Collection of Specimens for Testing in an Exelon Facility	15
		SY-AA-102-242	Breath Alcohol Testing	10
		SY-AA-102-243	Urine Collection in a Temporary Collection Site	6

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
		SY-AA-102-245	Calibration of Alco Sensor Equipment	10
		SY-AA-102-245-1001	Operators Manual for RBT IV	1
		SY-AA-102-248	Laboratory Blind Performance Test Specimens	8
		SY-AA-102-252	Fitness For Duty Training and Qualification Requirements	4
		SY-AA-103-223	Handling Suitable Inquiry Records	5
		SY-AA-103-500	Access Authorization Program	15
	Self-Assessments	AR 04226835	Byron Security Self-Assessment	11/27/2019