



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

January 31, 2020

Mr. Mark Bezilla  
Site Vice President  
FirstEnergy Nuclear Operating Co.  
Davis-Besse Nuclear Power Station  
5501 N. State Rte. 2, Mail Stop A-DB-3080  
Oak Harbor, OH 43449-9760

SUBJECT: DAVIS-BESSE NUCLEAR POWER STATION – MATERIAL CONTROL AND  
ACCOUNTING PROGRAM INSPECTION REPORT 05000346/2019412

Dear Mr. Bezilla:

On December 19, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Davis-Besse Nuclear Power Station and discussed the results of this inspection with Patrick McCloskey 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/**

Billy C. Dickson, Jr, Chief  
Branch 2  
Division of Reactor Projects

Docket No. 05000346  
License No. NPF-3

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to Mark Bezilla from Billy Dickson dated January 31, 2020.

SUBJECT: DAVIS-BESSE NUCLEAR POWER STATION – MATERIAL CONTROL AND  
ACCOUNTING PROGRAM INSPECTION REPORT 05000346/2019412

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

Docket Number: 05000346

License Number: NPF-3

Report Number: 05000346/2019412

Enterprise Identifier: I-2019-412-0021

Licensee: FirstEnergy Nuclear Operating Company

Facility: Davis-Besse Nuclear Power Station

Location: Oak Harbor, OH

Inspection Dates: September 01, 2019 to December 31, 2019

Inspectors: D. Mills, Senior Resident Inspector  
J. Rutkowski, Project Engineer

Approved By: Billy C. Dickson, Jr, Chief  
Branch 2  
Division of Reactor Projects

Enclosure

## **SUMMARY**

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an integrated inspection at Davis-Besse Nuclear Power 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**

### 71130.11 - Material Control and Accounting (MC&A)

NRC Inspectors evaluated the Material Control and Accountability program at the Davis-Besse Nuclear Power Plant by completing the following inspection procedure elements:

#### Material Control and Accounting (MC&A) (15 Samples)

- (1) Special Nuclear Material Records (3 Samples)
- (2) Material Control and Accounting Programs and Procedures (2 Samples)
- (3) Physical Inventory of Special Nuclear Material (8 Samples)
- (4) Special Nuclear Material Reports (1 Sample)
- (5) Problem Identification and Resolution (1 Sample)

## **INSPECTION RESULTS**

No findings were identified.

## **EXIT MEETINGS AND DEBRIEFS**

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

- On December 19, 2019, the inspectors presented the integrated inspection results to Mr. P. McCloskey, Site Regulatory Compliance Manager and other members of the licensee staff.

## DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.11	Corrective Action Documents	2015-03233	Special Nuclear Material Accounting Database (SNMTrac) not Updated for Non-Fuel SNM Items	04/11/2015
	Miscellaneous		Special Nuclear Material Non-Fuel Inventory Item Control Area (ICA) Log	5
		71130.11	Material Control and Accounting	12/10/2008
		MVS 2015-01	SFP/2015 Badger & B5b Shuffle	01/12/2016
		MVS 2016-03	New Fuel Receipt	03/16/2016
		MVS 2016-15	19 RFO Control Comp Shuffle	08/02/2016
		MVS 2016-18	19RFO Recon of UDDC63	08/22/2016
		MVS 2016-19	19 RFO Recon of UDDC43	08/22/2016
		MVS 2016-21	19 RFO Recon of UDDC41	08/22/2016
		MVS 2016-22	19 RFO Recon of UDDC62	08/22/2016
		MVS 2016-24	19 RFO Recon of UDDC57	08/22/2016
		MVS 2016-25	19 RFO Recon of UDDC42	08/22/2016
		MVS 2016-27	19 RFO Recon of UDDC50	08/22/2016
		MVS 2016-28	19 RFO Recon of UDDC67	08/22/2016
		MVS 2017-02	DF5 Grid Insp Part 1 of 2	07/03/2017
		MVS 2017-12	DB-32 PTHII-L-2C-W-06	10/30/2017
		MVS 2017-14	DB-32 PTHII-L-2C-W-04	10/30/2017
		MVS 2018-02	New Fuel Receipt 2018-01	04/13/2018
		MVS 2018-03	New Fuel Receipt 2018-02	04/13/2018
		MVS 2018-11	ELCRA Black Mark Cleaning	04/03/2018
		MVS 2018-14	New Fuel to SFP-05.06	04/13/2018
		MVS 2018-26	Detailed Visual DC43	05/17/2018
		NFS-TG-18-7617	Submittal of the December 2018 SNM Status Reports for RIS:XGC	01/28/2019
		NOBP-NF-3001	Maintaining SNM Records and Preparing Material Status Reports	1
		NOBP-NF-3001	Maintaining SNM Records and Preparing Material Status Reports	00
		NOP-NF-3002	Special Nuclear Material Physical Inventory - Summary and	12/07/2017

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			Balance Sheet	
		NORM-NF-3001	FENOC Special Nuclear Material Items	0
	Procedures	DB-NE-00100	Fuel Handling Administration	18
		NOBP-NF-3001	Maintaining SNM Records and Preparing Material Status Reports	0
		NOP-NF-3001	Special Nuclear Material Control and Accounting Program	11
		NOP-NF-3001	Special Nuclear Material Control and Accounting Program	11
		NOP-NF-3002	Special Nuclear Material Physical Inventory	4
		NOP-NF-3002	Special Nuclear Material Physical Inventory	4
		NOP-NF-3201	Spent Fuel Storage Rack Neutron Absorber Monitoring Program	2
		NORM-NF-3001	FENOC Special Nuclear Material Items	0
	Work Orders	200669734	NF3002-001 04.000 SNM Inventory 2017	
		200700617	NF3002-001 04.000 SNM Inventory 2018	
		WO 200669734	December 2017 Annual Inventory	12/05/2017
		WO 200700617	December 2018 Annual Inventory	12/11/2018