



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
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March 2, 2022

Mr. Terry Brown
Site Vice President
Energy Harbor Nuclear Corp.
Davis-Besse Nuclear Power Station
5501 N. State Rte. 2, Mail Stop A-DB-3080
Oak Harbor, OH 43449-9760

SUBJECT: ANNUAL ASSESSMENT LETTER FOR DAVIS-BESSE NUCLEAR POWER
STATION, UNIT 1 (REPORT 05000346/2021006)

Dear Mr. Brown:

The NRC has completed its end-of-cycle performance assessment of the Davis-Besse Nuclear Power Station, Unit 1, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2021, through December 31, 2021. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. The NRC concluded that overall performance at your facility preserved public health and safety. The baseline inspection program was completed at your facility as defined in Inspection Manual Chapter 2515, "Light-Water Reactor Inspection Program - Operations Phase."

The NRC determined the performance at Davis-Besse Nuclear Power Station, Unit 1, during the most recent quarter was within the Regulatory Response Column (Column 2), the second highest performance column of the NRC's Reactor Oversight Process (ROP) Action Matrix. This conclusion was based on one or more greater-than-Green inspection findings (or PIs) in the Security cornerstone, originating in the third quarter of 2021 (ML22031A171); and a single inspection finding having low-to-moderate safety significance (i.e., White) in the Mitigating Systems cornerstone, originating in the fourth quarter of 2021 (ML21356A058). Prior to this transition to Column 2 of the Action Matrix in the third quarter of the 2021 assessment period, plant performance was within the Licensee Response Column (Column 1).

Therefore, in addition to ROP baseline inspections, the NRC plans to conduct one or more supplemental inspection(s), at its discretion, in accordance with Inspection Procedure (IP) 95001, "Supplemental Inspection Response to Action Matrix Column 2 (Regulatory Response) Inputs." This inspection procedure is conducted to provide assurance that the root cause and contributing cause of risk significant performance issues are understood, the extent of condition and the extent of cause are identified, and the corrective actions are sufficient to prevent recurrence. This inspection(s) will be scheduled when you notify the NRC of your readiness.

Although plant performance was within the Regulatory Response Column, the NRC has not yet finalized the characterization of Apparent Violation (AV) 05000346/2021050-04, "Failure to Inspect Emergency Diesel Generator Selector Switch." The final determination may affect the NRC's assessment of plant performance and the enclosed inspection plan.

The enclosed inspection plan lists the inspections scheduled through December 31, 2023. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In response to the COVID-19 public health emergency (PHE), the NRC adjusted inspection plans and schedules in order to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the ROP. While the PHE continues, overall conditions throughout the country support performance of our inspection and oversight activities to return to normal onsite presence by our resident and region-based inspectors and completion of nominal baseline inspection samples. We continue to monitor site-specific conditions and as discussed in our November 2, 2021, memo, "Implementation of Inspection Programs Following Re-Entry from the Public Health Emergency for the Reactor Safety Program" (ML21295A302), it may be necessary to alter how and when we perform our inspection and oversight activities as we balance the importance of protecting the health and safety of our staff with the need to conduct effective oversight that supports the NRC's critical safety mission. For inspections requiring extensive coordination with offsite organizations, such as evaluated emergency preparedness exercises, NRC guidance and frequently asked questions for security and emergency preparedness can be found here: <https://www.nrc.gov/about-nrc/covid-19/security-ep/>. Similarly, the NRC has developed guidance if force-on-force inspections cannot be completed as scheduled due to an emergency, such as the COVID-19 PHE. These changes help ensure the health and safety of both NRC and licensee staff while maintaining the NRC's important safety and security mission during the COVID-19 PHE. The attached inspection plan is accurate on the date of issuance but remains subject to change based on approval of potential exemption requests or other changes needed due to changing conditions in the COVID-19 PHE. NRC staff will contact your appropriate regulatory affairs staff in order to coordinate inspection planning and scheduling.

The NRC plans to perform Inspection Procedure (IP) 71003, "Post-Approval Site Inspection for License Renewal" at your facility.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter 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).

Please contact Mr. Billy Dickson at (630) 829-9827 with any questions you have regarding this letter.

Sincerely,

/RA/

Julio F. Lara, Director
Division of Reactor Projects
Region III

Docket Nos. 05000346 and 07200014
License No. NPF-3

Enclosure:
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Terry Brown from Julio Lara dated March 2, 2022.

SUBJECT: ANNUAL ASSESSMENT LETTER FOR DAVIS-BESSE NUCLEAR POWER STATION, UNIT 1 (REPORT 05000346/2021006)

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NAME	RRuiz:ve	BDickson	JLara via email	
DATE	3/1/2022	3/2/2022	3/2/2022	

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Site Inspection Activity Plan

07200014 - Davis-Besse (ISFSI)

01/01/2022 - 12/31/2023

Unit	Start	End	Activity	CAC	Title	Staff Count
ISFSI Program Review Inspection						1
	10/17/2022	10/21/2022	IP 60855	001001	Operation Of An ISFSI	

Site Inspection Activity Plan

Davis-Besse

01/01/2022 - 12/31/2023

Unit	Start	End	Activity	CAC	Title	Staff Count
MC&A Triennial Inspection						1
1	1/1/2022	12/31/2022	IP 71130.11	000742	Material Control and Accounting (MC&A)	
Davis Besse February 2022 Initial License Exam						4
1	1/2/2022	1/8/2022	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	2/6/2022	2/12/2022	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
1	2/13/2022	2/19/2022	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
Inservice Inspection Davis Besse						1
1	3/7/2022	3/25/2022	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP Baseline Inspection						1
1	3/14/2022	3/18/2022	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	3/14/2022	3/18/2022	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
Security Baseline Inspection						2
1	1/24/2022	1/28/2022	IP 71130.01	000733	Access Authorization	
1	3/28/2022	4/1/2022	IP 71130.02	000734	Access Control	
1	3/28/2022	4/1/2022	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	3/28/2022	4/1/2022	IP 71130.09	001656	Security Plan Changes	
1	3/28/2022	4/1/2022	IP 71151	001338	Performance Indicator Verification	
RP Baseline Inspection						1
1	5/9/2022	5/13/2022	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	5/9/2022	5/13/2022	IP 71151	000746	Performance Indicator Verification	
License Renewal Phase 3 Verification						2
1	6/6/2022	6/10/2022	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
Emergency Preparedness Baseline Inspection / Performance Indicator Verification						1
1	6/27/2022	7/1/2022	IP 71114.02	000717	Alert and Notification System Testing	
1	6/27/2022	7/1/2022	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	6/27/2022	7/1/2022	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	6/27/2022	7/1/2022	IP 71151	001397	Performance Indicator Verification	
Security Baseline Inspection						1
1	8/1/2022	8/5/2022	IP 71130.14	000743	Review of Power Reactor Target Sets	
Design Basis Assurance Inspection - Program						3
1	8/15/2022	9/2/2022	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
RP Baseline Inspection						1

Site Inspection Activity Plan

1	8/22/2022	8/26/2022	IP 71124.05	000729	Radiation Monitoring Instrumentation	
Triennial Fire Protection						3
1	10/3/2022	10/21/2022	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
Davis Besse 2022 Biennial Licensed Operator Requalification Program Inspection						2
1	12/4/2022	12/10/2022	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
Radiation Protection Baseline Inspection						1
1	1/30/2023	2/3/2023	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	1/30/2023	2/3/2023	IP 71124.04	000728	Occupational Dose Assessment	
Corporate Security Baseline Inspection						1
1	1/30/2023	2/3/2023	IP 71130.08	000740	Fitness For Duty Program	
Triennial Heat Sink Inspection						2
1	2/13/2023	2/17/2023	IP 71111.07T	000700	Heat Exchanger/Sink Performance	
Security Baseline Inspection						1
1	3/6/2023	3/10/2023	IP 71130.02	000734	Access Control	
1	3/6/2023	3/10/2023	IP 71151	001338	Performance Indicator Verification	
1	3/27/2023	3/31/2023	IP 71130.07	000739	Security Training	
1	3/27/2023	3/31/2023	IP 71130.09	001656	Security Plan Changes	
Emergency Preparedness Exercise / Performance Indicator Verification						4
1	5/1/2023	5/5/2023	IP 71114.07	000722	Exercise Evaluation - Hostile Action (HA) Event	
1	5/1/2023	5/5/2023	IP 71151	001397	Performance Indicator Verification	
Evaluations of Changes, Tests and Experiments						3
1	6/26/2023	6/30/2023	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
Biennial Problem Identification & Resolution Inspection-Davis-Besse						4
1	8/7/2023	8/25/2023	IP 71152B	000747	Problem Identification and Resolution	
FORCE-ON-FORCE PLANNING AND EXERCISE - DB						4
1	8/28/2023	9/1/2023	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	9/18/2023	9/22/2023	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
Radiation Protection Baseline Inspection						1
1	9/11/2023	9/15/2023	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
Davis Besse NRC Developed January 2024 Initial License Exam						4
1	9/25/2023	9/28/2023	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	12/3/2023	12/9/2023	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
Cyber Security Inspection						4
1	12/4/2023	12/8/2023	IP 71130.10	000741	Cybersecurity	