



Davis-Besse Nuclear Power Station

Terry J. Brown
Site Vice President
5501 N. State Route 2
Oak Harbor, Ohio 43449

L-24-032
July 15, 2024

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject:
Davis-Besse Nuclear Power Station, Unit No.1
Docket No. 50-346, License No. NPF-3
Davis-Besse Nuclear Power Station, Unit 1 Cycle 23 and Refueling Outage 23 Inservice Inspection Summary Report

In accordance with the 2017 Edition of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, Subsubarticle IWA-6230 and ASME Code Case N-532-5, enclosed is the summary report covering inservice inspection activities performed during operating cycle 23 and refueling outage 23 for the Davis-Besse Nuclear Power Station, Unit No.1. In lieu of the traditional summary report, Vistra Operations Company LLC (on behalf of licensed owner Energy Harbor Nuclear Generation LLC) is submitting the enclosure which contains form OAR-1, "Owner's Activity Report" for inservice inspection results for Class 1, 2, 3, and metal containment (MC) components. The report is for examinations performed during the fifth inspection interval. No inspections were performed during the fourth inspection interval which ended June 7, 2023.

There are no regulatory commitments contained in this submittal. If there are any questions, or if additional information is required, please contact Mr. Jack Hicks, Senior Manager, Licensing, at (254) 897-6725 or Jack.Hicks@luminant.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Terry J. Brown".

Terry J. Brown

Enclosure:
ISI Owner's Activity Report, Cycle 23 and 23rd Refueling Outage

cc: NRC Region III Administrator
NRC Resident Inspector
NRR Project Manager
Utility Radiological Safety Board

Enclosure 1
L-24-032

ISI Owners Activity Report
Cycle 23 and 23rd Refueling Outage
DB-OAR1-23R
(6 pages follow)

ISI OWNER'S ACTIVITY REPORT
CYCLE 23 & 23rd REFUELING OUTAGE
OUTAGE START DATE: March 3, 2024
OUTAGE COMPLETION DATE: March 29, 2024
REPORTING DATE: April 11, 2024

DAVIS-BESSE NUCLEAR POWER STATION, UNIT No. 1

5501 North State Route #2
Oak Harbor, OH 43449

OWNER: ENERGY HARBOR NUCLEAR GENERATION, LLC.

168 E. Market Street
Akron, OH 44308

NRC Docket Number:	50-346
Facility Operating License:	NPF-3
Capacity:	2817 MWt
Commercial Operating Date:	July 31, 1978

10 - Year Inservice Inspection Plan Davis-Besse Nuclear Power Station Unit #1

Review / Approval

Prepared By: MIKE MCCOY PER TELECON  Date: 6/3/2024
D. GELDIER

Reviewed By:  Date: 03JUN2024
Luke M. Twarek

Approved By:  Date: 04JUN2024
Brian A. Kanney
Supervisor - Programs

Approved By: Nathan J. Barron  Date: 6/4/24
Manager - Strategic Engineering

Reviewed By: JACOB F. SCHOLL  Date: 6-11-24
Authorized Nuclear Inservice Inspector

ABSTRACT

The 23rd cycle of operation at the Davis-Besse Nuclear Power Station began on April 18, 2022 and lasted until March 29, 2024. The end of Davis-Besse's 4th Inspection Interval was June 7, 2023. Therefore, part of the 23rd cycle of operation took place during the 4th Inspection Interval from April 18, 2022 to June 7, 2023. However, there were no Inservice Inspection examinations that occurred during this time period pertaining to the 5th Davis-Besse Inspection Interval. Examinations performed during the cycle were scheduled in accordance with the 5th Interval Inspection Plan beginning June 8, 2023.

The following report is a summary of all Class 1, 2, and 3 component examinations that were performed during the 23rd cycle of operation and refueling outage that pertained to the 5th Inspection Interval. This report was prepared in accordance with the requirements of subsubarticle IWA-6230 of Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 2017 Edition.

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number DB-OAR1-23R

Plant Davis-Besse Nuclear Power Station

Unit No. 1 (if applicable) Commercial service date July 31, 1978 Refueling outage no. 1R23

Applicable inspection interval 5th Interval from June 8, 2023 to September 20, 2032
(1st, 2nd, 3rd, 4th, other)

Applicable inspection period 1st Period
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans 2017 Edition No Addenda

Date and revision of inspection plans 5th Interval Inspection Plan Rev.1, March 7, 2024

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans

Code Cases used for inspection and evaluation: N-722-1, N-770-5
(if applicable)

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of 1R23 conform to the requirements of the ASME Code, Section XI.
(refueling outage number)

Signed Luke M. Twarek CONSULTING ENG. Date 03 JUN 2024
(Owner or Owner's Designee, Title)

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed By The Hartford Steam Boiler Inspection and Insurance Company of Hartford, CT have inspected the items described in this Owner's Activity Report and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluations described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Jacob P. Hall Commission 7920 N I
(Inspector's Signature) (National Board Number and Endorsement)

Date 6-11-2024



FORM OAR-1 OWNER’S ACTIVITY REPORT (Cont’d)

Table 1
Items With Flaws or Relevant Conditions That Required
Evaluation for Continued Service

Examination Category and Item Number	Item and Flaw or Relevant Condition Description	Evaluation Description
B-P & B15.10	<p>Class 1 Bolted Connections</p> <p>Boric acid deposits were noted during examination of the following Class 1 bolted connections:</p> <ul style="list-style-type: none">DH21 (CR 2024-01935)DH23 (CR 2024-01936)HP56 (CR 2024-01977)HP57 (CR 2024-01978)RCP 1-2 (CR 2024-02109)RVCH Stud #1 (CR 2024-01829)	<p>All relevant conditions were addressed per IWA-5250 as necessary and evaluated per IWA-5251 and the site’s boric acid program.</p> <p>Additionally, a VT-3 was performed on RVCH Stud #1 with acceptable results</p>

Table 2
Abstract of Repair/Replacement Activities Required
for Continued Service

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
1	OTSG 1B Tubes	12 tubes plugged following examinations	3/22/2024	200882153
1	OTSG 2A Tubes	30 tubes plugged following examinations	3/22/2024	200882580
1	SV4610A & SV4610B	Replace valves	3/23/2024	200607497