



Entergy Operations, Inc.
P.O. Box 756
Port Gibson, Mississippi 39150

Jeffery A. Hardy
Manager Regulatory Assurance
Grand Gulf Nuclear Station
Tel: 802-380-5124

10 CFR 50.73

GNRO2026-00016

April 14, 2026

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

SUBJECT: Grand Gulf Nuclear Station, Unit 1 Licensee Event Report 2026-002-00,
Loss of Secondary Containment due to Failed Seals

Grand Gulf Nuclear Station, Unit 1
Docket No. 50-416
Renewed License No. NPF-29

Attached is Licensee Event Report (LER) 2026-002-00, Loss of Secondary Containment due to Failed Seals. This report is being made in accordance with 10 CFR 50.73(a)(2)(v)(C) as a condition that could have prevented the fulfillment of the safety function of structures or systems that are needed to control the release of radioactive material.

This letter contains no new Regulatory Commitments. Should you have any questions concerning the content of this letter, please contact me at 802-380-5124.

Sincerely,

A handwritten signature in blue ink, appearing to read 'JAH', with a stylized flourish at the end.

JAH/der

Attachments: Licensee Event Report 2026-002-00

cc: NRC Senior Resident Inspector
Grand Gulf Nuclear Station
Port Gibson, MS 39150

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

Attachment
Licensee Event Report 2026-002-00



LICENSEE EVENT REPORT (LER)

(See Page 2 for required number of digits/characters for each block)

(See NUREG-1022, R.3 for instruction and guidance for completing this form <https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1022/r3/>)

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA, Library, and Information Collection Branch (T-6 A10M), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects.Resource@nrc.gov, and the OMB reviewer at: OMB Office of Information and Regulatory Affairs, (3150-0104), Attn: Desk Officer for the Nuclear Regulatory Commission, 725 17th Street NW, Washington, DC 20503. The NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless the document requesting or requiring the collection displays a currently valid OMB control number.

1. Facility Name Grand Gulf Nuclear Station, Unit 1	<input checked="" type="checkbox"/> 050	2. Docket Number 00416	3. Page 1 of 2
	<input type="checkbox"/> 052		

4. Title
Loss of Secondary Containment Due to Failed Seals

5. Event Date			6. LER Number			7. Report Date			8. Other Facilities Involved	
Month	Day	Year	Year	Sequential Number	Rev No.	Month	Day	Year	Facility Name	Docket Number
02	13	2026	2026	- 002 -	00	04	14	2026	N/A	<input type="checkbox"/> 050
									N/A	<input type="checkbox"/> 052

9. Operating Mode 1	10. Power Level 093
------------------------	------------------------

11. This Report is Submitted Pursuant to the Requirements of 10 CFR §: (Check all that apply)

<input checked="" type="checkbox"/> 10 CFR Part 20	<input type="checkbox"/> 20.2203(a)(2)(vi)	<input checked="" type="checkbox"/> 10 CFR Part 50	<input type="checkbox"/> 50.73(a)(2)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	<input type="checkbox"/> 73.1200(a)
<input type="checkbox"/> 20.2201(b)	<input type="checkbox"/> 20.2203(a)(3)(i)	<input type="checkbox"/> 50.36(c)(1)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(ii)(B)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	<input type="checkbox"/> 73.1200(b)
<input type="checkbox"/> 20.2201(d)	<input type="checkbox"/> 20.2203(a)(3)(ii)	<input type="checkbox"/> 50.36(c)(1)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)(A)	<input type="checkbox"/> 73.1200(c)
<input type="checkbox"/> 20.2203(a)(1)	<input type="checkbox"/> 20.2203(a)(4)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(iv)(A)	<input type="checkbox"/> 50.73(a)(2)(x)	<input type="checkbox"/> 73.1200(d)
<input type="checkbox"/> 20.2203(a)(2)(i)	<input checked="" type="checkbox"/> 10 CFR Part 21	<input type="checkbox"/> 50.46(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(v)(A)	<input checked="" type="checkbox"/> 10 CFR Part 73	<input type="checkbox"/> 73.1200(e)
<input type="checkbox"/> 20.2203(a)(2)(ii)	<input type="checkbox"/> 21.2(c)	<input type="checkbox"/> 50.69(g)	<input type="checkbox"/> 50.73(a)(2)(v)(B)	<input type="checkbox"/> 73.77(a)(1)(i)	<input type="checkbox"/> 73.1200(f)
<input type="checkbox"/> 20.2203(a)(2)(iii)		<input type="checkbox"/> 50.73(a)(2)(i)(A)	<input checked="" type="checkbox"/> 50.73(a)(2)(v)(C)	<input type="checkbox"/> 73.77(a)(2)(i)	<input type="checkbox"/> 73.1200(g)
<input type="checkbox"/> 20.2203(a)(2)(iv)		<input type="checkbox"/> 50.73(a)(2)(i)(B)	<input type="checkbox"/> 50.73(a)(2)(v)(D)	<input type="checkbox"/> 73.77(a)(2)(ii)	<input type="checkbox"/> 73.1200(h)
<input type="checkbox"/> 20.2203(a)(2)(v)		<input type="checkbox"/> 50.73(a)(2)(i)(C)	<input type="checkbox"/> 50.73(a)(2)(vii)		

Other (Specify here, in abstract, or in NRC 366A).

12. Licensee Contact for this LER

Licensee Contact Jeff Hardy, Regulatory Assurance Manager	Phone Number (Include Area Code) 802-380-5124
--	--

13. Complete One Line for each Component Failure Described in this Report

Cause	System	Component	Manufacturer	Reportable To IRIS	Cause	System	Component	Manufacturer	Reportable To IRIS
X	NF	SEAL		Y					

14. Supplemental Report Expected

No Yes (If yes, complete 15. Expected Submission Date)

15. Expected Submission Date

Month	Day	Year

16. Abstract (Limit to 1326 spaces, i.e., approximately 13 single-spaced typewritten lines)

On February 13, 2026, at 0710 CT, Grand Gulf Nuclear Station, Unit 1 was in Mode 1 at 93 percent power and coasting down to a scheduled refuel outage. Operators performed a scheduled surveillance of the Standby Gas Treatment (SBGT) 'A' System. The surveillance was completed with unsatisfactory results due to the inability of SBGT 'A' to maintain greater than or equal to 0.266 in of vacuum water gauge for 1 hour at a flow rate less than or equal to 4000 cfm. The failed surveillance resulted in entering a Technical Specification Action Statement for Secondary Containment. Operations performed a Secondary Containment Integrity Check for Secondary Containment Door 1A319A, and operability was restored, and the action statement was exited.

Seals were repaired on the secondary containment doors and floor plugs, and the surveillance was successfully reperformed on March 25, 2026.

This report is being made in accordance with 10 CFR 50.73(a)(2)(v)(C) as an event or condition that could have prevented the fulfillment of the safety function of structures or systems that are needed to control the release of radioactive material.



**LICENSEE EVENT REPORT (LER)
CONTINUATION SHEET**

(See NUREG-1022, R.3 for instruction and guidance for completing this form
<https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1022/r3/>)

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA, Library, and Information Collection Branch (T-6 A10M), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects.Resource@nrc.gov, and the OMB reviewer at: OMB Office of Information and Regulatory Affairs, (3150-0104), Attn: Desk Officer for the Nuclear Regulatory Commission, 725 17th Street NW, Washington, DC 20503. The NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless the document requesting or requiring the collection displays a currently valid OMB control number.

1. FACILITY NAME		2. DOCKET NUMBER	3. LER NUMBER		
			YEAR	SEQUENTIAL NUMBER	REV NO.
Grand Gulf Nuclear Station, Unit 1	<input checked="" type="checkbox"/> 050	00416	2026	- 002	-00
	<input type="checkbox"/> 052				

NARRATIVE

Plant Conditions:

At the time of the event, Grand Gulf Nuclear Station, Unit 1 (GGNS) was in MODE 1 at 93 percent power due and coasting down to the planned refuel outage, and all other safety systems were operable.

Description of Event:

On February 13, 2026, at 0710 CT, operators performed a scheduled surveillance of the Standby Gas Treatment (SBGT) 'A' System [BH]. The surveillance was completed at 0917 on February 13, 2026, with unsatisfactory results. During the test, it was discovered that SBGT 'A' failed to maintain greater than or equal to 0.266 in of vacuum water gauge for 1 hour at a flow rate less than or equal to 4000 cfm. The unsatisfactory surveillance resulted in a failure to meet Technical Specification Limiting Condition for Operation 3.6.4.1, The secondary containment shall be OPERABLE, and Condition A was entered. Operations performed a Secondary Containment Integrity Check for Secondary Containment Door 1A319A, and operability was restored, and Condition 'A' was exited at 0935 on February 13, 2026. Seals for the secondary containment doors and floor plugs were repaired and the surveillance was reperfomed successfully on March 25, 2026.

Reportability:

This report is being made in accordance with 10 CFR 50.73(a)(2)(v)(C) as an event or condition that could have prevented the fulfillment of the safety function of structures or systems that are needed to control the release of radioactive material.

Cause(s):

The Direct Cause of the condition was the degraded seals.

Corrective Actions:

Completed:

- Immediately closed Secondary Containment Door 1A319A
- Secondary Containment door seals were repaired and the surveillance was repeated successfully.

Planned

- Replace Secondary Containment Door and floor plug seals.

Safety Significance:

There was no actual safety consequences associated with this condition. Secondary Containment provides a method for controlling the release of radioactive materials from primary containment. A Secondary Containment Integrity Check was performed which ensured that Secondary Containment Option 2 (i.e., Secondary Containment Door 1A319A) was operational. Secondary Containment Option 2 remained operational until Secondary Containment Option 1 was recovered.

Previous Similar Events:

The following previous similar event was identified:

LER 2025-005-00, Loss of Secondary Containment due to Unsecured Roof Hatch, was a result of a roof hatch left unsecured and was not the result of seal degradation.