



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

December 11, 2025

MEMORANDUM TO: Mahmoud Jardaneh, Chief
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

FROM: Prosanta Chowdhury, Senior Project Manager /RA/
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

SUBJECT: AUDIT SUMMARY FOR BLUE ENERGY GLOBAL, INC.
TOPICAL REPORT BE-BOPTR-02, "RESEQUENCING
BALANCE-OF-PLANT AND NUCLEAR ISLAND
CONSTRUCTION FOR BLUE ENERGY DEPLOYMENTS,"
REVISION 0 (EPID: L-2025-TOP-0021)

By memorandum dated August 8, 2025 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML25216A095) the U.S. Nuclear Regulatory Commission (NRC) staff issued an initial audit plan for the review of the Blue Energy Global, Inc. (Blue Energy) topical report (TR) BE-BOPTR-02, "Resequencing Balance-of-Plant and Nuclear Island Construction for Blue Energy Deployments," Revision 0, dated May 23, 2025 (ML25148A420).

The NRC staff started the audit with an entrance meeting on August 19, 2025. The audit was conducted remotely via Blue Energy's electronic reading room (eRR) and video teleconferences.

An audit exit meeting was held on August 29, 2025. An audit summary is provided as an enclosure to this memorandum.

Project No.: 99902137

Enclosure:
Audit summary

cc w/encl.: Blue Energy Global, Inc., GovDelivery

Contact: Prosanta Chowdhury, NRR/DNRL
301-415-1647

SUBJECT: AUDIT SUMMARY FOR BLUE ENERGY GLOBAL, INC. TOPICAL REPORT BE-BOPTR-02, "RESEQUENCING BALANCE-OF-PLANT AND NUCLEAR ISLAND CONSTRUCTION FOR BLUE ENERGY DEPLOYMENTS," REVISION 0 (EPID: L-2025-TOP-0021) DATED: DECEMBER 11, 2025

DISTRIBUTION:

PUBLIC

MSampson, NRR

MJardaneh, NRR

RPenmetsa, NRR

RPatton, NRR

MValentin, NRR

ITseng, NRR

ASStubbs, NRR

ASchiller, NRR

JMiller, NRR

AGhosh, NRR

PVokoun, NMSS

PKoch, NRR

PChowdhury, NRR

RMaynard, NRR

RidsOgcMailCenter

RidsAcrcMailCenter

RidsNrrDnrl

RidsNrrDnrlNrlb

RidsNrrDss

RidsEdoMailCenter

Email:regulatoryaffairs@blueenergy.cocj@blueenergy.coantonios@blueenergy.coalex@blueenergy.co**ADAMS Accession No.:****via email*****NRR-106**

OFFICE	NRR/DNRL/NRLB:PM	NRR/DANU/UAL1:LA	NRR/DNRL/NRLB:BC	NRR/DNRL/NRLB:PM
NAME	RMaynard	DGreene*	MJardaneh*	PChowdhury
DATE	09/30/2025	12/09/2025	12/11/2025	12/11/2025

OFFICIAL RECORD COPY

AUDIT SUMMARY FOR BLUE ENERGY GLOBAL, INC. TOPICAL REPORT BE-BOPTR-02,
“RESEQUENCING BALANCE-OF-PLANT AND NUCLEAR ISLAND CONSTRUCTION FOR BLUE
ENERGY DEPLOYMENTS,” REVISION 0

1.0 BACKGROUND AND PURPOSE

By memorandum dated August 8, 2025 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML25216A095) the U.S. Nuclear Regulatory Commission (NRC) staff issued an initial audit plan for the review of the Blue Energy Global, Inc. (Blue Energy) topical report (TR) BE-BOPTR-02, “Resequencing Balance-of-Plant and Nuclear Island Construction for Blue Energy Deployments,” Revision 0 (ML25148A420).

The NRC staff started the audit with an entrance meeting on August 19, 2025. The audit was conducted remotely via Blue Energy’s electronic reading room (eRR) and video teleconferences. An audit exit meeting was held on August 29, 2025.

The purpose of this audit was for the NRC staff to conduct the safety review of the Blue Energy TR in an efficient manner by identifying issues that can readily and easily be discussed and closed out to avoid delay in the review schedule. The audit achieved a more effective review by allowing the staff to review and discuss supporting material with the objective of improving communication and eliminating or reducing requests for additional information. The NRC staff audited material which may be needed to make a reasonable assurance finding that the methodology described in the TR protects public health and safety. The NRC staff identified information that was needed to support the review, and Blue Energy has provided the necessary information.

2.0 REGULATORY AUDIT BASIS

This regulatory audit is based on the following:

- Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, “Domestic Licensing of Production and Utilization Facilities”
- 10 CFR 50.10, “License required; limited work authorization”
- 10 CFR 50.2, “Definitions,” of Safety-related structures, systems, or components (SSCs)
- 10 CFR Part 51, “Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions”
- 10 CFR Part 73, “Physical Protection of Plants and Materials”
- 10 CFR Part 100, “Reactor Site Criteria”

3.0 AUDIT LOCATION AND DATES

The audit was primarily conducted remotely via Blue Energy’s eRR and video teleconferences and in the following locations:

NRC Headquarters

One White Flint North
11545 Rockville Pike
Rockville, Maryland 20852-2738

The audit started with an entrance meeting on August 19, 2025, and ended with an exit meeting on August 29, 2025.

4.0 KEY AUDIT TEAM MEMBERS

AUDIT TEAM (Project Management):

Mahmoud Jardaneh (Branch Chief)	Prosanta Chowdhury (Project Lead)	Alina Schiller	Riley Maynard
------------------------------------	--------------------------------------	----------------	---------------

AUDIT TEAM (Technical Staff):

Technical Staff	Branch
Angelo Stubbs	NRR/DSS/SCPb
Joshua Miller	NRR/DSS/SNRB
Amitava Ghosh	NRR/DEX/ESEB
Patrick Koch	NRR/DEX/ELTB
Patricia Vokoun	NMSS/REFS/EPMB3

5.0 KEY APPLICANT PARTICIPANTS

CJ Fong, Vice President of Regulatory Affairs
Antonios Zoulis, Director of Licensing
Alex Chereskin, Senior Licensing Engineer
Walter Williams, Senior Licensing Engineer

6.0 AUDIT DOCUMENTS

Primarily, the staff audited documents associated with the Blue Energy BE-BOPTR-02 via Blue Energy's electronic reading room (eRR).

7.0 DESCRIPTION OF AUDIT ACTIVITIES AND SUMMARY OF OBSERVATION

During the audit, the NRC staff reviewed the Blue Energy BE-BOPTR-02, "Resequencing Balance-of-Plant and Nuclear Island Construction for Blue Energy Deployments," Revision 0, and documents discussed therein. The NRC staff's audit questions as well as Blue Energy's responses are listed in the table below:

Audit Question	Audit Response ADAMS Accession Number
A-2.2/4.3-1	ML25254A219
A-2.4/4.4-1	ML25254A219
A-2.4/4.3-1	ML25254A219

8.0 EXIT BRIEFING

The NRC staff conducted an audit exit meeting on August 29, 2025. The NRC staff and Blue Energy discussed Blue Energy's responses to all audit questions and staff's comments.

9.0 OPEN ITEMS AND PROPOSED CLOSURE PATHS

Not applicable.

10.0 DEVIATIONS FROM THE AUDIT PLAN

Not applicable.

11.0 REFERENCES

1. U.S. Nuclear Regulatory Commission, "Audit Plan for Blue Energy Topical Report BE-BOPTR-02," (ML25216A095)
2. BE-BOPTR-02-NP, "Resequencing Balance-of-Plant and Nuclear Island Construction for Blue Energy Deployments," Revision 0, (ML25148A420)