



HITACHI

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MFN 10-100 Supplement 1

Docket No. 52-010

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

Subject: Submittal of Licensing Topical Report, "EBWR Safeguards Assessment Report", NEDO-33391 Revision 3, March 2010 (Public Version)

Reference:

1. MFN 10-100, Letter from GE Hitachi Nuclear Energy to U.S. Nuclear Regulatory Commission, Subject: Submittal of Licensing Topical Report, "EBWR Safeguards Assessment Report", NEDE-33391 Revision 3, March 2010 (ML100770378)

Attached please find a public version of the ESBWR Safeguards Assessment Report that has proprietary, security-related, and Safeguards information withheld.

If you have any questions concerning this letter, please contact me at (910) 819-5692.

I declare under penalty of perjury that the foregoing information is true and correct to the best of my knowledge, information, and belief.

Sincerely,

Jerald Head
Senior Vice President – Regulatory Affairs

DOUG
nko

Commitments: No additional commitments are made in this response.

Enclosures:

1. EBWR Safeguards Assessment Report, NEDO-33391 Revision 3, March 2010 (Public Version)

cc: w/enclosures

David Misenhimer, NRC

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Enclosure 1



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NEDO-33391

Revision 3

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Non-Proprietary Information - Class I (Public)

ESBWR Safeguards Assessment Report

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Background Information

The ESBWR design complies with 10 CFR 73, “Physical Protection of Plants and Materials” in that vital equipment is located in vital areas to which access is monitored and controlled. In addition vital areas are located within the Protected Area, providing a second physical barrier and means of access control. The “defense in depth” design concepts of redundancy and physical separation of redundant systems further support the physical security of the plant in that multiple vital Structures, Systems or Components (SSC) must be compromised in order to realize effective radiological sabotage. The ESBWR Safeguards Assessment Report provides details on those SSC(s) that have been determined to require protection as vital equipment. The applicant for a Combined License will demonstrate that the security strategy described in the ESBWR Safeguards Assessment Report remains valid.

Executive Summary

This document should be used in conjunction with the policy and guidance on physical security as directed by the United States Nuclear Regulatory Commission (NRC). The document is intended to provide guidance to the utility licensees for the implementation of ESBWR Physical Security program.

The purpose of this report and the underlying assessment was to identify potential weaknesses in the design of the ESBWR from the aspect of security and to implement design changes while such changes are easily accommodated. This report is not meant to be a final assessment of the security of the ESBWR but rather an initial step in the process of detailing the design of both the physical plant and the development of the security program.

INFORMATION NOTICE

The balance of this report is withheld due to the general nature of the material being related to Safeguards information. The information is also of a nature that is GEH Proprietary and Security-Related, or a combination of these information types. Therefore, the information is protected in accordance with NRC regulatory requirements and implementing guidance for protection of Safeguards Information.