



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

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

GNRO2022-00034

November 30, 2022

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

SUBJECT: Grand Gulf Nuclear Station Report Pursuant to 10CFR71.95(b) to report a failure to comply with conditions of Certificate of Compliance during a shipment

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

In accordance with 10CFR71.95(b), Entergy Operations Inc. (Entergy) hereby submits this report regarding a failure to comply with the Certificate of Compliance (CoC) for liner Serial Number (S/N) TNRM75GG13.

In the second half of 2018 Entergy performed a spent fuel pool clean-up project, which included six shipments of control blades (CRBs) offsite for disposal. Subsequently, due to a number scheme error in the special nuclear material tracking system, it was identified that Entergy shipped six CRBs that were not scheduled to be shipped. This numbering scheme error resulted in the failure to comply with the CoC for liner S/N TNRM75GG13 on October 9, 2018. This error was discovered on October 17, 2022.

Entergy entered the error into its corrective action program to evaluate and establish actions to prevent recurrence. Corrective actions included the performance of an inventory of the special nuclear materials, correction of the special nuclear material log, and the performance a dose profile for the six CRBs that were incorrectly shipped. These actions determined CRB 1903 has a 1.06E+03 Curies of Co-60 equivalence with an allowable shielding material weight of 102kg. This exceeded the cask limit of 10 Curies/kg Co-60 ($1.06E+03 \text{ Curies} / 1.02E+02 \text{ kg} = 10.3 \text{ Curies/kg}$). Thus, resulting in the TM-RAM cask CoC being exceeded. This did not result in a failure to properly survey the cask, placard the cask, or exceeding dose limits to the public.

Shipment Number	Shipment Date	Material Shipped
2018-0906	October 9, 2018	Control Rod Blades

The control rod blades were shipped to Waste Control and Storage Services in Andrews, Texas for disposal.

There are no commitments contained in this submittal. If you have any questions or need additional information, please contact Jeff Hardy at 802-380-5124.

Sincerely,



JH/ram

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

U.S. Nuclear Regulatory Commission
ATTN: Director Division of Fuel Management, Office of Material Safety and
Safeguards
Washington, DC 20555-0001