



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

Eric A. Larson  
Site Vice President  
Grand Gulf Nuclear Station  
Tel. (601) 437-7500

GNRO-2017/00077

December 6, 2017

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
11555 Rockville Pike  
Rockville, MD 20852

SUBJECT: Supplemental Letter to License Amendment Request to  
Incorporate Tornado Missile Risk Evaluator into Licensing Basis  
Grand Gulf Nuclear Station, Unit 1  
Docket No. 50-416  
License No. NPF-29

REFERENCE: Grand Gulf Nuclear Station Letter GNRO-2017/00061, "License Amendment  
Request to Incorporate Tornado Missile Risk Evaluator into Licensing Basis".

Ladies and Gentlemen:

The referenced letter submitted a license amendment request to incorporate the Tornado  
Missile Risk Evaluator methodology into the Grand Gulf licensing basis.

This letter provides a supplemental change to the previously provided Updated Final Safety  
Analysis Report Markup, Table 3.5-8, page 5 of 6. Please replace the previously submitted  
page with the one provide in the attachment.

This letter contains no Regulatory Commitments.

Should you have any questions concerning the content of this letter, please contact Douglas  
Neve, Manager Regulatory Assurance at 601-437-2103.

Sincerely,

A handwritten signature in black ink, appearing to read "E. A. Larson".

Eric A. Larson  
Site Vice President  
EAL/amh

Attachments:

1. Updated Final Safety Analysis Report Page Markup.

cc: with Attachment

Mr. Siva Lingam  
U.S. Nuclear Regulatory Commission  
Mail Stop OWFN 8 B1  
Rockville, MD 20852-2738

cc: without Attachments and Enclosure

Mr. Kriss Kennedy  
U.S. Nuclear Regulatory Commission  
Regional Administrator, Region IV  
1600 East Lamar Boulevard  
Arlington, TX 76011-4511

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

Dr. Mary Currier, M.D., M.P.H  
State Health Officer  
Mississippi Department of Health  
P.O. Box 1700  
Jackson, MS 39215-1700  
Email: [mary.currier@msdh.ms.gov](mailto:mary.currier@msdh.ms.gov)

GNRO-2017/00077

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

License Amendment Request to Incorporate  
Tornado Missile Risk Evaluator  
into Licensing Basis

Attachment 1

Updated Final Safety Analysis Report Page Markup

GGNS-UFSAR

Figure 3.8-117)

f. Elevator machine room exhaust air check damper with centerline El. 212'-4" Exposed but shielded by the partially completed Unit 2 Containment shell located approximately 90 feet to the north (see Figure 3.8-117)

6. Diesel-generator Building

a. Air exhaust louver with centerline at El. 163'-9" Protected by adjacent Auxiliary Bldg. wall & diesel-generator bldg. with roof El. 172'-0" (see Figure 9.5-21)

b. Air exhaust louvers with centerline at El. 162'-0" Protected by adjacent Auxiliary Bldg. wall & diesel-generator bldg. with roof El. 172'-0" (see Figure 9.5-21)

c. Air intake louvers with centerline at El. 159'-8" Protected by a 2'-0" thick reinforced concrete barrier wall (see Figure 9.5-21)

d. Diesel generator exhaust pipes above roof El. 172'-0" See subsection 9.5.8.3

e. Diesel generator fuel oil tank vent -top El. 173'-6" Exposed but shielded from horizontal missiles by concrete parapet with top elevation of 174'-0"

7. Auxiliary Building

a. RHR room blowout shafts above El. 185'-0" Protected by a 2'-0" thick reinforced concrete barrier structure (see Figure 3.8-81)

b. RHR pump room & RCIC room blowout shafts above El. 185'-0" Protected by a 2'-0" thick reinforced concrete barrier structure (see Figure 3.8-81)

c. Steam tunnel blowout shaft above El. 185'-0" Protected by a 2'-0" thick reinforced concrete barrier structure (see Figure 3.8-81)

d. Louver and door at El. 185'-0" Protected by a 2'-0" thick reinforced concrete barrier wall (see Figure 3.8-81)

e. Door at roof El. 185'-0" Protected by a 2'-0" thick reinforced concrete barrier wall (see Figure 3.8-81)

f. Main entrance door at El. 139'-0" Protected by a 2'-0" thick reinforced concrete barrier wall & 2'-0" thick top slab (see Figure 3.8-79)

g. Exit door at El. 139'-0" Protected by a 2'-0" thick reinforced concrete barrier wall & 2'-0" thick top slab (see Figure 3.8-79)