

August 10, 2001

Mr. Randall K. Edington
Vice President - Operations
Entergy Operations, Inc.
River Bend Station
P. O. Box 220
St. Francisville, LA 70775

SUBJECT: NON-PROPRIETARY VERSION - RIVER BEND STATION, UNIT 1 - REQUEST FOR ADDITIONAL INFORMATION - LICENSE AMENDMENT REQUEST (LAR 2000-26) TO REVISE REACTOR VESSEL PRESSURE/TEMPERATURE LIMITS (TAC NOS. MB1114 AND MB1153)

Dear Mr. Edington:

This letter provides a non-proprietary version of the Request for Additional Information (RAI) questions enclosed with my letter dated May 3, 2001. The questions relate to your letter dated January 24, 2001, Entergy Operations, Inc., requesting an amendment to Facility Operating License NPF-47, for the River Bend Station, Unit 1. The amendment proposes changes to Technical Specification 3.4.11, "RCS [Reactor Coolant System] Pressure and Temperature (P/T) Limits," for reactor heatup, cooldown, and critical operation, as well as for inservice leak and hydraulic tests for the RCS. These changes adjust the P/T limits for radiation effects to ensure that the reactor pressure vessel fracture toughness is consistent with analysis assumptions and U.S. Nuclear Regulatory Commission (NRC) regulations. One of the primary effects of the changes is to permit reactor vessel inservice hydrostatic and leak tests to be performed at a lower temperature at applicable vessel pressures.

A non-proprietary version of the questions is enclosed, since the original version has been profiled in the Agencywide Documents Access and Management System (ADAMS) as non-publically available and sensitive. Brackets have been used to identify the location and quantity of information considered proprietary. No additional action is necessary on your part as we have received your response to the RAI via letter dated July 2, 1001.

Sincerely,

/RA/

Robert E. Moody, Project Manager, Section 1
Project Directorate IV
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-458

Enclosure: As stated

cc w/encl: See next page

August 10, 2001

Mr. Randall K. Edington
Vice President - Operations
Entergy Operations, Inc.
River Bend Station
P. O. Box 220
St. Francisville, LA 70775

SUBJECT: RIVER BEND STATION, UNIT 1 - REQUEST FOR ADDITIONAL
INFORMATION - LICENSE AMENDMENT REQUEST (LAR 2000-26) TO
REVISE REACTOR VESSEL PRESSURE/TEMPERATURE LIMITS
(TAC NOS. MB1114 AND MB1153)

Dear Mr. Edington:

This letter provides a non-proprietary version of the Request for Additional Information (RAI) questions enclosed with my letter dated May 3, 2001. The questions relate to your letter dated January 24, 2001, Entergy Operations, Inc., requesting an amendment to Facility Operating License NPF-47, for the River Bend Station, Unit 1. The amendment proposes changes to Technical Specification 3.4.11, "RCS [Reactor Coolant System] Pressure and Temperature (P/T) Limits," for reactor heatup, cooldown, and critical operation, as well as for inservice leak and hydraulic tests for the RCS. These changes adjust the P/T limits for radiation effects to ensure that the reactor pressure vessel fracture toughness is consistent with analysis assumptions and U.S. Nuclear Regulatory Commission (NRC) regulations. One of the primary effects of the changes is to permit reactor vessel inservice hydrostatic and leak tests to be performed at a lower temperature at applicable vessel pressures.

A non-proprietary version of the questions is enclosed, since the original version has been profiled in the Agencywide Documents Access and Management System (ADAMS) as non-publicly available and sensitive. Brackets have been used to identify the location and quantity of information considered proprietary. No additional action is necessary on your part as we have received your response to the RAI via letter dated July 2, 1001.

Sincerely,
/RA/

Robert E. Moody, Project Manager, Section 1
Project Directorate IV
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-458

Enclosure: As stated
cc w/encl: See next page

DISTRIBUTION:

PUBLIC

PD IV-1 r/f

RidsNrrDlpm (CCarpenter)

RidsNrrDlpmLpdiv1 (RGramm)

RidsNrrLADJohnson

ACCESSION NO.: ML011990325

RidsNrrPMRMoody

LBerry

RidsOgcRp

RidsAcraAcnwMailCenter

RidsRgn4MailCenter (KBrockman)

OFFICE	PM/PDIV-1	LA/PDIV-1	SC/PDIV-1
NAME	RMoody	DJohnson	RGramm
DATE	08/09/01	08/09/01	08/10/01

OFFICIAL RECORD COPY

REQUEST FOR ADDITIONAL INFORMATION
REACTOR VESSEL PRESSURE/TEMPERATURE (P/T) LIMITS
RIVER BEND STATION, UNIT 1

The following questions relate to GE-NE-B13-02094-00-01, "Pressure Temperature Curves for Entergy Operations, Inc. (EOI) Using the K_{IC} Methodology:"

1. Paragraph 4.2.1.2, "Pressure Temperature Curves for Entergy Operations, Inc. (EOI) Using the K_{IC} Methodology" gives the values of the fluence used for the estimation of the 32 effective full power years P/T limit curves. The justification states that, "The values used are the currently licensed values." Please provide the original reference which describes how these values were derived and/or calculated.
2. Page 29: It was suggested on page 29, for the feedwater nozzle/upper vessel region, that a coolant temperature change of 20 degrees fahrenheit per hour ($^{\circ}\text{F/hr}$) existed during the pressure test and its effect of [] was included in the computed value of $(T-RT_{NDT})$. Why was a similar adjustment not made for the bottom head in its tabulated values shown on page 25?
3. Page 30: [] Please clarify.
4. Page 57: The P/T limit curve for the core beltline B' was missing in Figure 5-10. Please provide a complete Figure 5-10.

ENCLOSURE

River Bend Station

cc:

Winston & Strawn
1400 L Street, N.W.
Washington, DC 20005-3502

Manager - Licensing
Entergy Operations, Inc.
River Bend Station
P. O. Box 220
St. Francisville, LA 70775

Senior Resident Inspector
P. O. Box 1050
St. Francisville, LA 70775

President of West Feliciana
Police Jury
P. O. Box 1921
St. Francisville, LA 70775

Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011

Ms. H. Anne Plettinger
3456 Villa Rose Drive
Baton Rouge, LA 70806

Administrator
Louisiana Radiation Protection Division
P. O. Box 82135
Baton Rouge, LA 70884-2135

Wise, Carter, Child & Caraway
P. O. Box 651
Jackson, MS 39205

Executive Vice President and
Chief Operating Officer
Entergy Operations, Inc.
P. O. Box 31995
Jackson, MS 39286

General Manager - Plant Operations
Entergy Operations, Inc.
River Bend Station
P. O. Box 220
St. Francisville, LA 70775

Director - Nuclear Safety
Entergy Operations, Inc.
River Bend Station
P. O. Box 220
St. Francisville, LA 70775

Vice President - Operations Support
Entergy Operations, Inc.
P. O. Box 31995
Jackson, MS 39286-1995

Attorney General
State of Louisiana
P. O. Box 94095
Baton Rouge, LA 70804-9095