



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

April 22, 2015

Vice President, Operations
Entergy Operations, Inc.
Waterford Steam Electric Station, Unit 3
17265 River Road
Killona, LA 70057-3093

**SUBJECT: WATERFORD STEAM ELECTRIC STATION, UNIT 3 – REQUEST FOR
ADDITIONAL INFORMATION REGARDING THE REACTOR VESSEL
INTERNALS AGING MANAGEMENT PROGRAM (TAC NO. MF3247)**

Dear Sir or Madam:

On February 5, 2005, Entergy Operations Inc. (Entergy, the licensee), as part of its implementation of the extended power uprate, made a commitment to submit an aging management program (AMP) for the reactor vessel internals (RVI) components at Waterford Steam Electric Station, Unit 3 (WF3). Consistent with this commitment, by letter dated December 16, 2013, Entergy submitted an AMP for the RVI components at WF3. The Electric Power Research Institute's technical report MRP-227-A, "Materials Reliability Program: Pressurized Water Reactor (PWR) Internals Inspection and Evaluation Guidelines," December 2008, and its supporting reports were used as the technical bases for developing WF3's AMP.

A request for additional information regarding the December 16, 2013, submittal was sent to Entergy on October 21, 2014. After further review of your request, the U.S. Nuclear Regulatory Commission staff has determined that additional information is required to complete the review. Please provide the information requested in the enclosure within 30 days of receipt of this letter.

- 2 -

If you have any questions, please contact me at 301-415-3229 or via e-mail at Michael.Orenak@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael D. Orenak". The signature is fluid and cursive, with the first name "Michael" being the most prominent part.

Michael D. Orenak, Project Manager
Plant Licensing IV-2 and Decommissioning
Transition Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-382

Enclosure:
Request for Additional Information

cc w/encl: Distribution via Listserv



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

REQUEST FOR ADDITIONAL INFORMATION

AGING MANAGEMENT PROGRAM FOR THE REACTOR VESSEL INTERNALS

ENTERGY OPERATIONS, INC.

WATERFORD STEAM ELECTRIC STATION, UNIT 3

DOCKET NO. 50-382

On February 5, 2005 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML050400463), Entergy Operations Inc. (Entergy, the licensee), as part of its implementation of the extended power uprate, made a commitment to submit an aging management program (AMP) for the reactor vessel internals (RVI) components at Waterford Steam Electric Station, Unit 3 (WF3). Consistent with this commitment, by letter dated December 16, 2013 (ADAMS Accession No. ML13352A041), Entergy submitted an AMP for the RVI components at WF3. The Electric Power Research Institute's technical report MRP-227-A, "Materials Reliability Program: Pressurized Water Reactor (PWR) Internals Inspection and Evaluation Guidelines," December 2008 (non-proprietary version at ADAMS Accession No. ML090160205), and its supporting reports were used as the technical bases for developing WF3's AMP.

The U.S. Nuclear Regulatory Commission (NRC) safety evaluation for MRP-227-A was issued on December 16, 2011 (ADAMS Accession No. ML11308A770), with seven topical report conditions and eight applicant/licensee action items. Section 7.0 of the licensee's December 16, 2013, submittal addressed the eight action items. A request for additional information regarding the action items was sent to Entergy on October 21, 2014 (ADAMS Accession No. ML14232A023). After further review of WF3's AMP, NRC staff has determined that the additional following information is needed to complete its review:

RAI-5:

Section 7.3 of the December 16, 2013, submittal, referenced a plant-specific in-core instrumentation thimble tube program report. The NRC staff requests that the licensee provide a brief summary of the plant-specific in-core instrumentation thimble tube program report. The summary should include: (a) the aging degradation; (b) licensee's inspection methods of identifying aging effects; and (c) the inspection results.

Enclosure

If you have any questions, please contact me at 301-415-3229 or via e-mail at Michael.Orenak@nrc.gov.

Sincerely,

/RA/

Michael D. Orenak, Project Manager
Plant Licensing IV-2 and Decommissioning
Transition Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-382

Enclosure:
Request for Additional Information

cc w/encl: Distribution via Listserv

DISTRIBUTION:

PUBLIC	RidsNrrDeEviB Resource	RidsNrrLAPBlechman Resource
LPL4-2 R/F	RidsNrrDorlDpr Resource	RidsNrrPMWaterford Resource
RidsAcrsAcnw_MailCTR Resource	RidsNrrDorlLpl4-2 Resource	RidsRgn4MailCenter Resource
GCheruvengi, NRR		

ADAMS Accession No. ML15107A411

***memo dated**

OFFICE	NRR/DORL/LPL4-2/PM	NRR/DORL/LPL4-2/LA	NRR/DE/EVIB/BC*
NAME	MOrenak	PBlechman	SRosenberg
DATE	4/21/15	4/21/15	4/7/14
OFFICE	NRR/DORL/LPL4-2/BC	NRR/DORL/LPL4-2/PM	
NAME	MKhanna	MOrenak	
DATE	4/22/15	4/22/15	

OFFICIAL RECORD COPY