

September 2, 2004

Mr. Joseph E. Venable  
Vice President Operations  
Entergy Operations, Inc.  
17265 River Road  
Killona, LA 70066-0751

SUBJECT: WATERFORD STEAM ELECTRIC STATION, UNIT 3 - REQUEST FOR  
ADDITIONAL INFORMATION REGARDING BULLETIN 2003-01, "POTENTIAL  
IMPACT OF DEBRIS BLOCKAGE ON EMERGENCY SUMP RECIRCULATION  
AT PRESSURIZED-WATER REACTORS" (TAC NO. MB9629)

Dear Mr. Venable:

By letter dated August 8, 2003, Entergy Operations, Inc. (the licensee) provided the 60-day response to Nuclear Regulatory Commission (NRC) Bulletin 2003-01 for Waterford Steam Electric Station, Unit 3. The Bulletin requested Entergy to either (1) state that the emergency core cooling system (ECCS) and containment spray system (CSS) recirculation functions have been analyzed with respect to the potentially adverse post-accident debris blockage effects identified in the Bulletin and are in compliance with all existing applicable regulatory requirements, or (2) describe any interim compensatory measures that have been implemented or that will be implemented to reduce the interim risk associated with potentially degraded or nonconforming ECCS and CSS recirculation functions until an evaluation to determine compliance is complete. The staff has completed its preliminary review of your response and has determined it needs additional information.

We discussed this with your staff by telephone and they agreed to provide the additional information requested in the enclosure within 45 days of receipt of this letter.

If you have any questions, please call me at (301) 415-1480.

Sincerely,

*/RA/*

N. Kalyanam, Project Manager, Section 1  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-382

Enclosure: Request for Additional Information

cc w/encl: See next page

September 2, 2004

Mr. Joseph E. Venable  
Vice President Operations  
Entergy Operations, Inc.  
17265 River Road  
Killona, LA 70066-0751

SUBJECT: WATERFORD STEAM ELECTRIC STATION, UNIT 3 - REQUEST FOR ADDITIONAL INFORMATION REGARDING BULLETIN 2003-01, "POTENTIAL IMPACT OF DEBRIS BLOCKAGE ON EMERGENCY SUMP RECIRCULATION AT PRESSURIZED-WATER REACTORS" (TAC NO. MB9629)

Dear Mr. Venable:

By letter dated August 8, 2003, Entergy Operations, Inc. (the licensee) provided the 60-day response to Nuclear Regulatory Commission (NRC) Bulletin 2003-01 for Waterford Steam Electric Station, Unit 3. The Bulletin requested Entergy to either (1) state that the emergency core cooling system (ECCS) and containment spray system (CSS) recirculation functions have been analyzed with respect to the potentially adverse post-accident debris blockage effects identified in the Bulletin and are in compliance with all existing applicable regulatory requirements, or (2) describe any interim compensatory measures that have been implemented or that will be implemented to reduce the interim risk associated with potentially degraded or nonconforming ECCS and CSS recirculation functions until an evaluation to determine compliance is complete. The staff has completed its preliminary review of your response and has determined it needs additional information.

We discussed this with your staff by telephone and they agreed to provide the additional information requested in the enclosure within 45 days of receipt of this letter.

If you have any questions, please call me at (301) 415-1480.

Sincerely,  
**/RA/**  
N. Kalyanam, Project Manager, Section 1  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-382

Enclosure: Request for Additional Information

cc w/encl: See next page

DISTRIBUTION

PUBLIC  
RidsAcrsAcnwMailCenter  
RidsNrrLADJohnson  
RidsNrrDssaDpr  
Leon Whitney,

PDIV-1 r/f  
RidsNrrDlpmLpdiv1 (RGramm)  
RidsRgn4MailCenter (AHowell)  
RidsNrrLADBaxley  
Alan B. Wang

RidsOgcRp  
RidsNrrPMNKalyanam  
RidsNrrDlpmDpr  
RidsNrrLADJohnson

\* RAI input from the staff without any major change

\*\* Per T. Marsh's deferral memo

Accession No.: ML042470417

OFFICE	PDIV-1/PM	PDIV-1/LA	DSSA/SPLB	PDIV-1/SC
NAME	NKalyanam	DBaxley**	LWhitney*	RGramm
DATE	9/2/04	N/A	08/20/04	9/2/04

OFFICIAL COPY

Waterford Steam Electric Station, Unit 3

cc:

Mr. Michael E. Henry, State Liaison Officer  
Department of Environmental Quality  
Permits Division  
P.O. Box 4313  
Baton Rouge, Louisiana 70821-4313

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

Director  
Nuclear Safety Assurance  
Entergy Operations, Inc.  
17265 River Road  
Killona, LA 70066-0751

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

General Manager Plant Operations  
Waterford 3 SES  
Entergy Operations, Inc.  
17265 River Road  
Killona, LA 70066-0751

Licensing Manager  
Entergy Operations, Inc.  
17265 River Road  
Killona, LA 70066-0751

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

Resident Inspector/Waterford NPS  
P. O. Box 822  
Killona, LA 70066-0751

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

Parish President Council  
St. Charles Parish  
P. O. Box 302  
Hahnville, LA 70057

Executive Vice President  
& Chief Operating Officer  
Entergy Operations, Inc.  
P. O. Box 31995  
Jackson, MS 39286-1995

Chairman  
Louisiana Public Services Commission  
P. O. Box 91154  
Baton Rouge, LA 70825-1697

BULLETIN 2003-01, "POTENTIAL IMPACT OF DEBRIS BLOCKAGE ON  
EMERGENCY SUMP RECIRCULATION AT PRESSURIZED WATER REACTORS"

WATERFORD STEAM ELECTRIC STATION 3 (WATERFORD 3)

ENTERGY OPERATIONS, INC.

DOCKET NO.S 50- 382

1. On page 1 of Attachment 1 of your Bulletin 2003-01 response, you state that you will train licensed operators on indications of and responses to emergency core cooling system (ECCS) sump clogging, with a completion date of March 31, 2004. However, although your response provides some detail regarding existing available indications which might be used to detect a sump clogging scenario, your response does not completely discuss the operator training to be implemented. Please provide a detailed discussion of the operating procedures to be implemented, the indications of sump clogging that the operators are instructed to monitor, and the response actions the operators are instructed to take in the event of sump clogging and loss of ECCS recirculation capability.
2. On page 2 of Attachment 1 of your response you state: "Entergy's procedures delay switchover to the ECCS sump recirculation to the extent practical ... Potential changes to the guidance in CEN-152 are being evaluated by Westinghouse. Procedure changes have not been implemented at this time ..." Westinghouse Owner's Group (WOG) has developed operational guidance in response to Bulletin 2003-01 for Westinghouse and Combustion Engineering type pressurized water reactors. Please provide a discussion of your plans to consider implementing this new WOG guidance. Include a discussion of the WOG recommended compensatory measures that have been or will be implemented at your plant, and the evaluations or analyses performed to determine which of the WOG recommended changes are acceptable at your plant. Provide technical justification for those WOG recommended compensatory measures not being implemented by your plant. Also include a detailed discussion of the procedures being modified, the operator training being implemented, and your schedule for implementing these compensatory measures.
3. NRC Bulletin 2003-01 provides possible interim compensatory measures licensees could consider to reduce risks associated with sump clogging. In addition to those compensatory measures listed in Bulletin 2003-01, licensees may also consider implementing unique or plant-specific compensatory measures, as applicable. Please discuss any possible unique or plant-specific compensatory measures you considered for implementation at your plant. Include a basis for rejecting any of these additional considered measures.