

January 22, 2008

Mr. Kevin T. Walsh
Vice President of Operations
Entergy Operations, Inc.
17265 River Road
Killona, LA 70057-3093

SUBJECT: WATERFORD STEAM ELECTRIC STATION, UNIT 3 - REQUEST FOR
ADDITIONAL INFORMATION ON THE REVISED EMERGENCY CORE
COOLING SYSTEM PERFORMANCE ANALYSIS SUPPORTING THE NEXT
GENERATION FUEL (TAC NO. MD6363)

Dear Mr. Walsh:

By letter dated August 9, 2007, Entergy Operations, Inc. (Entergy), submitted an application requesting a review of the Waterford Steam Electric Station, Unit 3 (Waterford 3) revised Emergency Core Cooling System Performance Analysis that supports the implementation of Combustion Engineering 16x16 Next Generation Fuel described in WCAP-16500.

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed your submittal and has determined that the following additional information is needed to complete the review:

- Please provide a statement that Entergy and its small- and large-break loss-of-coolant accident (LOCA) analyses vendor have ongoing processes that assure that the input values of Waterford 3 LOCA analyses conservatively bound the values of those parameters for the as-operated Waterford 3 plant.

We discussed the need for additional information with your staff by telephone and they agreed to provide a response within two weeks of the receipt of the formal request for additional information.

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

Sincerely,

/RA/

N. Kalyanam, Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-382

cc: See next page

January 22, 2008

Mr. Kevin T. Walsh
Vice President of Operations
Entergy Operations, Inc.
17265 River Road
Killona, LA 70057-3093

SUBJECT: WATERFORD STEAM ELECTRIC STATION, UNIT 3 - REQUEST FOR
ADDITIONAL INFORMATION ON THE REVISED EMERGENCY CORE
COOLING SYSTEM PERFORMANCE ANALYSIS SUPPORTING THE NEXT
GENERATION FUEL (TAC NO. MD6363)

Dear Mr. Walsh:

By letter dated August 9, 2007, Entergy Operations, Inc. (Entergy), submitted an application requesting a review of the Waterford Steam Electric Station, Unit 3 (Waterford 3) revised Emergency Core Cooling System Performance Analysis that supports the implementation of Combustion Engineering 16x16 Next Generation Fuel described in WCAP-16500.

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed your submittal and has determined that the following additional information is needed to complete the review:

- Please provide a statement that Entergy and its small- and large-break loss-of-coolant accident (LOCA) analyses vendor have ongoing processes that assure that the input values of Waterford 3 LOCA analyses conservatively bound the values of those parameters for the as-operated Waterford 3 plant.

We discussed the need for additional information with your staff by telephone and they agreed to provide a response within two weeks of the receipt of the formal request for additional information.

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

Sincerely,

/RA/

N. Kalyanam, Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-382

cc: See next page

DISTRIBUTION:

PUBLIC	RidsNrrLAJBurkhardt	RidsOgcRp
LPLIV r/f	RidsNrrDorIDpr	RidsRgn4MailCenter (JClark)
RidsAcrsAcnwMailCenter	RidsNrrDorLpl4 (THiltz)	FOrr, NRR/DSS/SRXB
RidsNrrDss/Srxb	RidsNrrPMNKalyanam	

ADAMS Accession No. ML080180284

*No major change from Staff provided RAI

OFFICE	NRR/LPL4/PM	NRR/LPL4/LA	NRR/DSS/SRXB*	NRR/LPL4/BC
NAME	NKalyanam	JBurkhardt	GCranston	THiltz
DATE	1/22/08	1/22/08	12/12/07	1/22/08

OFFICIAL RECORD COPY

Waterford Steam Electric Station, Unit 3

cc:

Senior Vice President
Entergy Nuclear Operations
P.O. Box 31995
Jackson, MS 39286-1995

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

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

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

General Manager, Plant Operations
Waterford Steam Electric Station, Unit 3
Entergy Operations, Inc.
17265 River Road
Killona, LA 70057-3093

Director, Nuclear Safety & Licensing
Entergy Services, Inc.
440 Hamilton Avenue
White Plains, NY 10601

Director, Nuclear Safety Assurance
Entergy Operations, Inc.
17265 River Road
Killona, LA 70057-3093

Senior Manager, Nuclear Safety
& Licensing
Entergy Services, Inc.
P.O. Box 31995
Jackson, MS 39286-1995

Manager, Licensing
Entergy Operations, Inc.
17265 River Road
Killona, LA 70057-3093

Mr. Timothy Pflieger
Environmental Scientist - Supervisor
REP&R-CAP-SPOC
Louisiana Department of Environmental
Quality
P.O. Box 4312
Baton Rouge, LA 70821-4312

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

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

Mr. Richard Penrod, Senior Environmental
Scientist/State Liaison Officer
Office of Environmental Services
Northwestern State University
Russell Hall, Room 201
Natchitoches, LA 71497

Resident Inspector
Waterford NPS
P.O. Box 822
Killona, LA 70057-0751

Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011

November 2007