



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

August 24, 2017

Mr. Michael R. Chisum
Site Vice President
Entergy Operations, Inc.
Waterford 3
17265 River Road
Killona, LA 70057-3093

SUBJECT: STATUS UPDATE AND SCHEDULE REVISION FOR THE REVIEW OF THE WATERFORD STEAM ELECTRIC STATION, UNIT 3, LICENSE RENEWAL APPLICATION (CAC NOS. MF7492 AND MF7493)

Dear Mr. Chisum:

By letter dated March 23, 2016, Entergy Operations, Inc. (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML16088A324) submitted an application pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 54, to renew the operating license NPF-38 for Waterford Steam Electric Station, Unit 3, for review by the U.S. Nuclear Regulatory Commission (NRC or the staff).

The staff's concern regarding adequacy of the RAPTOR-M3G used for license renewal time-limited aging analyses (e.g., reactor vessel fluence calculations) has been the subject of several rounds of requests for additional information (RAIs) and clarification calls, involving several issues that remain unresolved. The staff cannot complete its review of this program until the 10 CFR Part 50 issues associated with the use of the RAPTOR code are resolved. As a result, the staff has revised the license renewal safety review schedule milestones for the safety evaluation report (SER) with open items, the Advisory Committee on Reactor Safeguards (ACRS) subcommittee meeting, the final SER, and the ACRS full committee meeting. The new dates for the SER with open items, ACRS subcommittee meeting, the final SER, the ACRS full committee meeting, and the Office of Nuclear Reactor Regulation (NRR) Director Decision are now "To Be Determined" (TBD) pending the applicant's provision of a clear path forward for resolution of the staff's concerns. In addition, the environmental review milestones have been revised due to the need for a second round of Severe Accident Mitigation Analysis (SAMA) RAIs. Your staff was informed of the schedule delay during RAI clarification calls throughout the license renewal application (LRA) review.

Enclosed is a revised schedule for the review of the Waterford Steam Electric Station, Unit 3, LRA. In order to support an ACRS subcommittee meeting, Waterford needs to provide a clear path forward for resolution of the open items that will be discussed in the SER. The staff has determined that adequate resolution of technical issues to resolve open items cannot be achieved within the current schedule.

M. Chisum

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If you have any questions on the revised schedule related to the safety review (10 CFR Part 54), please contact Ms. Phyllis Clark, Project Manager, by telephone at 301-415-6447 or via email at Phyllis.Clark@nrc.gov. If you have any questions on the schedule related to the environmental review (10 CFR Part 51), please contact Ms. Elaine Keegan, Senior Project Manager, by telephone at 301-415-8517 or via email at Elaine.Keegan@nrc.gov.

Sincerely,

/RA/

Sheldon Stuchell, Chief
Projects Management and Guidance Branch
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-382

Enclosure:
Revised Schedule

cc w/encl: Listserv

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*Concurred via email

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DATE	08/3/2017	08/3/2017	08/4/2017	08/10/2017	08/10/2017
OFFICE	D:DLR	BC:MRPB:DLR			
NAME	GWilson (JDonoghue for)	SStuchell			
DATE	08/24/2017	08/24/2017			

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WATERFORD STEAM ELECTRIC STATION, UNIT 3
 LICENSE RENEWAL APPLICATION
 REVISION OF SCHEDULE

Milestones	Schedule Date	Actual Date
Receive license renewal application (LRA)	03/23/16	03/30/16
Publish <i>Federal Register</i> Notice (FRN) – LRA availability	04/2016	04/14/16
Publish FRN – acceptance/rejection and opportunity for hearing	05/2016	05/31/16
Publish FRN – environmental scoping meeting	05/2016	06/06/16
Public Meeting – License Renewal Overview and Environmental Scoping Meeting	06/2016	06/08/16
Audit – Scoping & Screening Methodology	06/13/16	06/13/16
Deadline for filing hearing requests and petitions for intervention (60 days)	07/2016	08/01/16
Environmental scoping period ends	07/2016	08/01/16
Audit – Environmental	07/18/16	07/18/16
Audit – Aging Management Programs (Week 1)	07/11/16	07/11/16
Audit – Aging Management Programs (Week 2)	07/25/16	07/25/16
Regional Inspection – IP 71002, "License Renewal Inspection"	01/23 & 02/06/17	2/16/17
Issue draft supplemental environmental impact statement (SEIS)	10/2017	
U.S. Environmental Protection Agency FRN Published – draft SEIS available for comments	10/2017	
Public Meeting – draft SEIS meeting, if needed	11/2017	
End of draft SEIS comment period	12/2017	
Issue safety evaluation report (SER) with open items	TBD	
Advisory Committee on Reactor Safeguards (ACRS) Subcommittee meeting	TBD	
Issue final SEIS	03/2018	
U.S. Environmental Protection Agency FRN Published – final SEIS available	04/2018	
Issue final SER	TBD	
ACRS full committee meeting	TBD	
Decision – Director, NRR	TBD	

ENCLOSURE