



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
612 EAST LAMAR BLVD, SUITE 400  
ARLINGTON, TEXAS 76011-4125

March 4, 2009

Kevin T. Walsh  
Vice President Operations  
Waterford Steam Electric Station, Unit 3  
Entergy Operations, Inc.  
17265 River Rd.  
Killona, AR 70057-3093

SUBJECT: ANNUAL ASSESSMENT LETTER - WATERFORD STEAM ELECTRIC  
STATION (NRC INSPECTION REPORT 05000382/2009001)

Dear Mr. Walsh:

On February 10, 2009, the NRC staff completed its performance review of Waterford Steam Electric Station, Unit 3. Our technical staff reviewed performance indicators for the most recent quarter and inspection results for the period from January 1 through December 31, 2008. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only - Security-Related Information" will include the security cornerstone review and resultant inspection plan.

Overall, Waterford Steam Electric Station, Unit 3 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all performance indicators indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process baseline inspections at your facility.

The enclosed inspection plan details the inspections, except those related to physical protection, scheduled through June 30, 2010. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 817-860-8147 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

Jeffrey A. Clark, P.E.  
Chief, Reactor Projects Branch E  
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Docket No. 50-382  
License No. NPF-38

Enclosure: Waterford 3 Inspection/Activity Plan

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SUNSI Rev Compl.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ADAMS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Reviewer Initials	DRB
Publicly Avail	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sensitive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sens. Type Initials	DRB
RIV/SPE/DRP/	C:DRP/E	D:DRS	D:DRP	C:DRP/Signature	
DRBollock	JAClark	RJCaniano	DDChamberlain	JAClark	
<b>/RA/</b>	<b>/RA/</b>	<b>/RA/</b>	<b>/RA/</b>	<b>/RA/</b>	
2/20/2009	2/20/2009	2/20/2009	2/23/2009	3/2/2009	

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**Waterford**  
**Inspection / Activity Plan**  
**03/01/2009 - 06/30/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>RPTEAM - RADIATION SAFETY TEAM INSPECTION</b>					<b>4</b>
3	03/02/2009	03/06/2009	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
3	03/02/2009	03/06/2009	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	
3	03/02/2009	03/06/2009	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	
3	03/02/2009	03/06/2009	IP 7112202	Radioactive Material Processing and Transportation	
3	03/02/2009	03/06/2009	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
<b>EB2-05T - TRIENNIAL FIRE PROTECTION</b>					<b>4</b>
3	04/13/2009	04/17/2009	IP 7111105T	Fire Protection [Triennial]	
3	04/27/2009	05/01/2009	IP 7111105T	Fire Protection [Triennial]	
<b>EP1 - EP EXERCISE INSPECTION</b>					<b>4</b>
3	06/22/2009	06/26/2009	IP 7111401	Exercise Evaluation	
3	06/22/2009	06/26/2009	IP 7111404	Emergency Action Level and Emergency Plan Changes	
3	06/22/2009	06/26/2009	IP 71151	Performance Indicator Verification	
<b>REQUAL - BIENNIAL REQUAL INSPECTION</b>					<b>3</b>
3	07/13/2009	07/17/2009	IP 7111111B	Licensed Operator Requalification Program	
<b>EB1-21 - CDBI</b>					<b>6</b>
3	08/10/2009	08/14/2009	IP 7111121	Component Design Bases Inspection	
3	08/24/2009	08/28/2009	IP 7111121	Component Design Bases Inspection	
3	09/07/2009	09/18/2009	IP 7111121	Component Design Bases Inspection	
<b>RP-ORS4 - OCCUPATIONAL RADIATION SAFETY</b>					<b>1</b>
3	09/14/2009	09/18/2009	IP 7112101	Access Control to Radiologically Significant Areas	
3	09/14/2009	09/18/2009	IP 7112102	ALARA Planning and Controls	
3	09/14/2009	09/18/2009	IP 71151	Performance Indicator Verification	
<b>EXAM - INITIAL EXAM</b>					<b>3</b>
3	09/14/2009	09/18/2009	X02418	INITIAL EXAM-W3 (10/2009)	
3	10/05/2009	10/09/2009	X02418	INITIAL EXAM-W3 (10/2009)	
<b>EB1-08P - INSERVICE INSPECTION</b>					<b>2</b>
3	11/02/2009	11/23/2009	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
3	11/02/2009	11/23/2009	IP 7111108P	Inservice Inspection Activities - PWR	
<b>RP-ORS5 - OCCUPATIONAL RADIATION SAFETY - ACCESS</b>					<b>1</b>
3	11/16/2009	11/20/2009	IP 7112101	Access Control to Radiologically Significant Areas	
3	11/16/2009	11/20/2009	IP 7112102	ALARA Planning and Controls	
3	11/16/2009	11/20/2009	IP 71151	Performance Indicator Verification	
<b>PSB2-52B - BIENNIAL PI&amp;R</b>					<b>4</b>
3	05/10/2010	05/14/2010	IP 71152B	Identification and Resolution of Problems	

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

**Waterford**  
**Inspection / Activity Plan**  
**03/01/2009 - 06/30/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>PSB2-52B - BIENNIAL PI&amp;R</b>		<b>4</b>
3	05/24/2010	05/28/2010	IP 71152B	Identification and Resolution of Problems	
			<b>EP-1 - BIENNIAL EP PROGRAM INSPECTION</b>		<b>1</b>
3	06/28/2010	07/02/2010	IP 7111402	Alert and Notification System Testing	
3	06/28/2010	07/02/2010	IP 7111403	Emergency Response Organization Augmentation Testing	
3	06/28/2010	07/02/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
3	06/28/2010	07/02/2010	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
3	06/28/2010	07/02/2010	IP 71151-EP01	Drill/Exercise Performance	
3	06/28/2010	07/02/2010	IP 71151-EP02	ERO Drill Participation	
3	06/28/2010	07/02/2010	IP 71151-EP03	Alert & Notification System	

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