



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION IV  
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September 1, 2009

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

**SUBJECT: MIDCYCLE PERFORMANCE REVIEW AND INSPECTION PLAN –  
WATERFORD STEAM ELECTRIC STATION, UNIT 3**

Dear Mr. Kowalewski:

On August 4, 2009, the NRC staff completed its performance review of the Waterford Steam Electric Station, Unit 3, for the first half of the calendar year 2009 assessment cycle. Our technical staff reviewed performance indicators for the most recent quarter and inspection results over the previous 12 months. 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.

Plant performance for the most recent quarter at Waterford Steam Electric Station, Unit 3, 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 staff also identified that there were four Green findings for the current 12-month assessment period with documented crosscutting aspects in the problem identification and resolution area. There is a crosscutting theme associated with these findings that involves the thoroughness of problem evaluation [P.1(c)]. While there were four Green inspection findings with documented crosscutting aspects in problem identification and resolution associated with this crosscutting theme, we understand that this represents a recent performance trend. Once identified, you placed this issue into your corrective action program and are currently developing plans to address this issue. Because you have taken actions to address this recent performance trend, the staff did not identify a substantive crosscutting issue in problem identification and resolution. We will monitor the effectiveness of your corrective actions during the next assessment period.

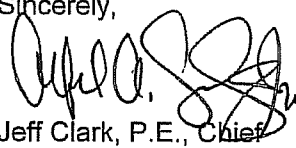
The enclosed inspection plan details the inspections less those related to physical protection, scheduled through December 31, 2010. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine 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 end-of-cycle review. We are also evaluating potential changes to the inspection program in the radiation safety cornerstone. Consequently, some specific inspection procedures and the inspection schedule may be revised for 2010.

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 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 Mr. Fred Sanchez at (817) 860-8147 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

  
Jeff Clark, P.E., Chief  
Project Branch E  
Division of Reactor Projects

Fel

Docket: 50-382  
License: NPF-38

Enclosure:  
Waterford Steam Electric Station Inspection/Activity Plan

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*ROP Reports*

File located: R:\\_EOC and Midcycle\Midcycle Assessment Letters\2009\WAT

SUNSI Rev Compl.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ADAMS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Reviewer Initials	<i>JK</i>
Publicly Avail	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sensitive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sens. Type Initials	<i>JK</i>
RIV/SPE/DRP/PBE	C:DRP/PBE	D:DRS	D:DRP		
<i>for</i> GDReplogle	<i>JK</i> JAClark	<i>JK</i> RJCaniano	<i>JK</i> DDChamberlain		
<i>JK</i> 8/17/09	<i>JK</i> 8/19/09	<i>JK</i> 8/19/09	<i>JK</i> 8/19/09		

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Waterford

Inspection / Activity Plan

07/01/2009 - 12/31/2010

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
3	07/20/2009	07/24/2009	SI-RELAY - SPECIAL INSPECTION	Special Inspection	2
			IP 93812		
			REQUAL - BIENNIAL REQUAL INSPECTION	Licensed Operator Requalification Program	3
3	07/13/2009	07/17/2009	IP 7111111B		
			EB1-21 - CDBI		5
3	08/03/2009	08/07/2009	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	
			RP-ORS4 - OCCUPATIONAL RADIATION SAFETY	Access Control to Radiologically Significant Areas	1
3	09/14/2009	09/18/2009	IP 7112101	ALARA Planning and Controls	
3	09/14/2009	09/18/2009	IP 7112102	Performance Indicator Verification	
3	09/14/2009	09/18/2009	IP 71151		
			EXAM - INITIAL EXAM		3
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)	
			EB1-08P - INSERVICE INSPECTION	Inservice Inspection Activities - PWR	3
3	10/26/2009	11/23/2009	IP 7111108P		
3	11/02/2009	11/23/2009	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
			RP-ORS5 - OCCUPATIONAL RADIATION SAFETY - ACCESS	Access Control to Radiologically Significant Areas	1
3	11/16/2009	11/20/2009	IP 7112101	ALARA Planning and Controls	
3	11/16/2009	11/20/2009	IP 7112102	Performance Indicator Verification	
3	11/16/2009	11/20/2009	IP 71151		
			PSB2-52B - BIENNIAL PI&R	Identification and Resolution of Problems	4
3	05/10/2010	05/14/2010	IP 71152B		
3	05/24/2010	05/28/2010	IP 71152B	Identification and Resolution of Problems	
			RP-ORS1 - OCCUPATIONAL RADIATION SAFETY - ALARA	Access Control to Radiologically Significant Areas	1
3	05/10/2010	05/14/2010	IP 7112101	ALARA Planning and Controls	
3	05/10/2010	05/14/2010	IP 7112102	Occupational Exposure Control Effectiveness	
3	05/10/2010	05/14/2010	IP 71151-OR01	RETS/ODCM Radiological Effluent	
3	05/10/2010	05/14/2010	IP 71151-PR01		
			EXAM - INITIAL EXAM		3
3	08/30/2010	09/03/2010	X02447	INITIAL EXAM- W3 (10/2010)	
3	10/04/2010	10/08/2010	X02447	INITIAL EXAM- W3 (10/2010)	
			EP-1 - BIENNIAL EP PROGRAM INSPECTION	Alert and Notification System Testing	1
3	12/06/2010	12/10/2010	IP 7111402		

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

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			<b>EP-1 - BIENNIAL EP PROGRAM INSPECTION</b>		1
3	12/06/2010	12/10/2010	IP 7111403	Emergency Response Organization Augmentation Testing	
3	12/06/2010	12/10/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
3	12/06/2010	12/10/2010	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
3	12/06/2010	12/10/2010	IP 71151-EP01	Drill/Exercise Performance	
3	12/06/2010	12/10/2010	IP 71151-EP02	ERO Drill Participation	
3	12/06/2010	12/10/2010	IP 71151-EP03	Alert & Notification System	1
			<b>RP-ORS1 - OCCUPATIONAL RADIATION SAFETY-ACRSA</b>		
3	11/15/2010	11/19/2010	IP 7112101	Access Control to Radiologically Significant Areas	
3	11/15/2010	11/19/2010	IP 7112102	ALARA Planning and Controls	
3	11/15/2010	11/19/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	
3	11/15/2010	11/19/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	

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