



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

September 3, 2013

Mr. Richard L. Anderson  
Vice President  
NextEra Energy Duane Arnold, LLC  
3277 DAEC Road  
Palo, IA 52324-9785

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR DUANE ARNOLD ENERGY  
CENTER (REPORT 05000331/2013006)**

Dear Mr. Anderson:

On August 14, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of Duane Arnold Energy Center. The NRC reviewed quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2012 through June 30, 2013. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that performance at Duane Arnold Energy Center was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2014, including inspection procedure (IP) 60855.1, "Operation of an Independent Spent Fuel Storage Installation (ISFSI) at Operating Plants" and IP 71003, "Post-Approval Site Inspection for License Renewal." Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

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

R. Anderson

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Please contact me at (630) 829-9703 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Christine A. Lipa, Chief  
Branch 1  
Division of Reactor Projects

Docket No. 50-331  
License No. DPR-49

Enclosure: Duane Arnold Energy Center  
Inspection/Activity Plan

cc w/encl: Distribution via ListServ™

R. Anderson

-2-

Please contact me at (630) 829-9703 with any questions you have regarding this letter.

Sincerely,

*/RA/*

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Letter to R. Anderson from C. Lipa dated September 3, 2013

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR DUANE ARNOLD ENERGY  
CENTER (REPORT 05000331/2013006)

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**Duane Arnold**  
**Inspection / Activity Plan**  
**09/01/2013 - 12/31/2014**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>BI MODS - TRIENNIAL PERM MODS/50.59</b>		<b>3</b>
1	09/02/2013	09/20/2013	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	09/09/2013	09/13/2013	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT</b>		<b>2</b>
1	10/01/2013	10/31/2013	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	09/23/2013	09/27/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	09/23/2013	09/27/2013	IP 71151-BI01	Reactor Coolant System Activity	
1	09/23/2013	09/27/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	09/23/2013	09/27/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			<b>RENEWAL - LR 71003 - PHASE 2 (DATE INFLEXIBLE)</b>		<b>6</b>
1	11/04/2013	11/22/2013	IP 71003	Post-Approval Site Inspection for License Renewal	
			<b>BI EPX - EP EXERCISE INSPECTION / PI VERIFICATION</b>		<b>2</b>
1	04/07/2014	04/11/2014	IP 71151	Performance Indicator Verification	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	02/03/2014	02/07/2014	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>BI ENG - COMPONENT DESIGN BASIS INSPECTION</b>		<b>6</b>
1	05/19/2014	06/20/2014	IP 7111121	Component Design Bases Inspection	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	06/09/2014	06/13/2014	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	09/22/2014	09/26/2014	IP 71124.07	Radiological Environmental Monitoring Program	
			<b>BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION</b>		<b>2</b>
1	09/15/2014	09/19/2014	IP 7111111B	Licensed Operator Requalification Program	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
1	11/03/2014	11/07/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/03/2014	11/07/2014	IP 71151-BI01	Reactor Coolant System Activity	
1	11/03/2014	11/07/2014	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	11/03/2014	11/07/2014	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			<b>BI ISI - INSERVICE INSPECTION</b>		<b>1</b>
1	10/23/2014	11/22/2014	IP 7111108G	Inservice Inspection Activities - BWR	

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