



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

September 2, 2008

Mr. R. L. Anderson  
Vice-President  
Duane Arnold Energy Center  
3277 DAEC Road  
Palo, IA 52324-9785

**SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -  
DUANE ARNOLD ENERGY CENTER**

Dear Mr. Anderson:

On August 14, 2008, the NRC staff completed its performance review of the Duane Arnold Energy Center for the first half of the calendar year 2008 assessment cycle. Our technical staff reviewed performance indicators (PIs) 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 Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at Duane Arnold Energy Center 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 PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to security, scheduled through December 31, 2009. 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. Of note, the plan includes an EP exercise inspection, a biennial PI&R inspection, and a triennial fire protection inspection. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-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), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

The NRC is currently evaluating the scope and frequency of all the baseline inspection procedures. If the results of the evaluation, or any other circumstances, cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (630) 829-9628 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Kenneth Riemer, Chief  
Reactor Projects Branch 2  
Division of Reactor Projects

Docket No. 50-331; 72-032  
License No. DPR-49

Enclosure: Duane Arnold Energy Center Inspection/Activity Plan

DISTRIBUTION:  
See next page

Letter to R. Anderson from K. Riemer dated September 2, 2008

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -  
DUANE ARNOLD ENERGY CENTER

cc w/encl: M. Nazar, Senior Vice President and  
Chief Operating Officer  
J. Stall, Executive Vice President, Nuclear and  
Chief Nuclear Officer  
M. Ross, Managing Attorney  
A. Khanpour, Vice President, Nuclear Engineering  
M. Warner, Vice President, Nuclear Plant Support  
D. Curtland, Plant Manager  
S. Catron, Manager, Regulatory Affairs  
M. Gettler, Vice President, New Nuclear Projects  
W. Maher, Licensing Director, New Nuclear Projects  
Chief Radiological Emergency Preparedness Section,  
Dept. Of Homeland Security  
M. Rasmusson, State Liaison Officer  
Iowa Department of Public Health  
Chairman, Linn County Board of Supervisors  
The Honorable Robert Hogg  
Chairman, Benton County Supervisors  
Benton County Sheriff  
Coordinator, Benton County Emergency Services  
Mayor of Atkins  
Mayor of Shellsburg  
Mayor of Urbana  
Linn County Sheriff  
Director, Linn County Emergency  
Management Agency  
Mayor of Robins  
Mayor of Alburnett  
Mayor of Cedar Rapids  
Mayor of Hiawatha  
Mayor of Marion  
City Manager of Marion  
Mayor of Center Point  
Mayor of Palo  
G. Mortensen, INPO

R. Anderson

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Letter to R. Anderson from K. Riemer dated September 2, 2008

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ARNOLD ENERGY CENTER

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Tamara Bloomer

RidsNrrDorlLp13-1

RidsNrrPMDuaneArnold Resource

RidsNrrDirslpab Resource

James Caldwell

Mark Satorius

Kenneth Obrien

Jared Heck

Allan Barker

DRPIII

DRSIII

Patricia Buckley

Tammy Tomczak

[ROPreports@nrc.gov](mailto:ROPreports@nrc.gov)

**Duane Arnold**  
**Inspection / Activity Plan**  
**09/01/2008 - 12/31/2009**

Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	End	Inspection Type
<b>BI OL</b>	<b>- BIENNIAL REQUAL. PROGRAM INSPECTION</b>	<b>2</b>			
IP 711111B	Licensed Operator Requalification Program		10/06/2008	10/10/2008	Baseline Inspections
<b>BI EP</b>	<b>- EP EXERCISE INSPECTION / PI VERIFICATION</b>	<b>3</b>			
IP 7111401	Exercise Evaluation		10/20/2008	10/24/2008	EP Baseline Inspection
IP 71151-EP01	Drill/Exercise Performance		10/20/2008	10/24/2008	Baseline Inspections
IP 71151-EP02	ERO Drill Participation		10/20/2008	10/24/2008	Baseline Inspections
IP 71151-EP03	Alert & Notification System		10/20/2008	10/24/2008	Baseline Inspections
<b>BI RP</b>	<b>- RADIATION PROTECTION BASELINE INSPECTION</b>	<b>1</b>			
IP 7112102	ALARA Planning and Controls		10/20/2008	10/24/2008	Baseline Inspections
<b>ISFSI</b>	<b>- ROUTINE INSPECTION</b>	<b>1</b>			
IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		11/01/2008	11/30/2008	Other Routine
<b>BI RP</b>	<b>- RADIATION PROTECTION BASELINE INSPECTION</b>	<b>1</b>			
IP 7112101	Access Control to Radiologically Significant Areas		02/09/2009	02/13/2009	Baseline Inspections
IP 7112102	ALARA Planning and Controls		02/09/2009	02/13/2009	Baseline Inspections
IP 71151-OR01	Occupational Exposure Control Effectiveness		02/09/2009	02/13/2009	Baseline Inspections
<b>BI ENG</b>	<b>- ENGINEERING INSERVICE INSPECTION</b>	<b>1</b>			
IP 7111108G	Inservice Inspection Activities - BWR		02/09/2009	02/14/2009	Baseline Inspections
<b>BI RP</b>	<b>- RADIATION PROTECTION BASELINE INSPECTION</b>	<b>1</b>			
IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative		03/16/2009	03/20/2009	Generic Safety Inspecti
IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		03/16/2009	03/20/2009	Baseline Inspections
IP 71151-PR01	RETS/ODCM Radiological Effluent		03/16/2009	03/20/2009	Baseline Inspections
<b>BI PI&amp;R</b>	<b>- BIENNIAL PI&amp;R INSPECTION</b>	<b>4</b>			
IP 71152B	Identification and Resolution of Problems		05/04/2009	05/22/2009	Baseline Inspections
<b>RENEWAL</b>	<b>- LICENSE RENEWAL INSPECTION</b>	<b>5</b>			
IP 71002	License Renewal Inspection		07/13/2009	07/31/2009	License Renewal Inspe
<b>BI RP</b>	<b>- RADIATION PROTECTION BASELINE INSPECTION</b>	<b>1</b>			
IP 7112202	Radioactive Material Processing and Transportation		08/03/2009	08/07/2009	Baseline Inspections
IP 71151-BI01	Reactor Coolant System Activity		08/03/2009	08/07/2009	Baseline Inspections
<b>OL EXAM</b>	<b>- OPERATOR LICENSING EXAM</b>	<b>2</b>			
W90207	OL - INITIAL EXAM - SEPT. 2009 - DUAN		08/24/2009	08/28/2009	Not Applicable
W90207	OL - INITIAL EXAM - SEPT. 2009 - DUAN		09/14/2009	09/25/2009	Not Applicable
<b>BI EP</b>	<b>- EP ROUTINE INSPECTION / PI VERIFICATION</b>	<b>1</b>			
IP 7111402	Alert and Notification System Testing		10/26/2009	10/30/2009	EP Baseline Inspection
IP 7111403	Emergency Response Organization Augmentation Testing		10/26/2009	10/30/2009	EP Baseline Inspection
IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		10/26/2009	10/30/2009	EP Baseline Inspection

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<b>BI EP - EP ROUTINE INSPECTION / PI VERIFICATION</b>		<b>1</b>			
IP 71151-EP01	Drill/Exercise Performance		10/26/2009	10/30/2009	Baseline Inspections
IP 71151-EP02	ERO Drill Participation		10/26/2009	10/30/2009	Baseline Inspections
IP 71151-EP03	Alert & Notification System		10/26/2009	10/30/2009	Baseline Inspections
<b>BI ENG - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>3</b>			
IP 7111105T	Fire Protection [Triennial]		11/02/2009	11/20/2009	Baseline Inspections
<b>BI ENG - TRIENNIAL FIRE PROT. INFO GATHERING TRIP</b>		<b>3</b>			
IP 7111105T	Fire Protection [Triennial]		10/19/2009	10/23/2009	Baseline Inspections
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112101	Access Control to Radiologically Significant Areas		11/16/2009	11/20/2009	Baseline Inspections
IP 7112102	ALARA Planning and Controls		11/16/2009	11/20/2009	Baseline Inspections