September 1, 2009

Mr. Christopher R. Costanzo  
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. Costanzo:

On August 20, 2009, the NRC staff completed its performance review of the Duane Arnold Energy Center for the period from July 1, 2008, through June 30, 2009. 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.

By letter dated June 9, 2009, you were notified that plant performance was within the Regulatory Response column of the NRC action matrix. This was due to a White finding involving the failure to promptly identify and correct a condition adverse to quality which resulted in the ‘B’ emergency diesel generator output breaker tripping under full load conditions while conducting a monthly surveillance test. Plant performance for the recent quarter at Duane Arnold Energy Center remained within the Regulatory Response column of the NRC’s Action Matrix.

The enclosed inspection plan details the inspections, including baseline and other infrequently conducted inspections, less those related to security, 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 9 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).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Kenneth RiemerT at (630) 829-9628 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

K. Steven West, Director
Division of Reactor Projects

Docket Nos. 50-331
License Nos. DPR-49

Enclosure: Duane Arnold Energy Center Inspection/Activity Plan

DISTRIBUTION:
See next page
Letter to C. Costanzo from K. Steven West dated September 1, 2009

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

cc w/encl: M. Nazar, Senior Vice President and Chief Nuclear Officer
M. Ross, Vice President and Associate General Counsel
A. Khanpour, Vice President, Engineering Support
D. Curtland, Plant General Manager
S. Catron, Manager, Licensing
M. Mashhadi, Senior Attorney
Chairman, Linn County, Board of Supervisors
M. Rasmusson, State Liaison Officer
R. Anderson, Vice President, Nuclear Plant Support
R. Kundalkar, Vice President, Fleet Organizational Support
M. Cornell, Director, Licensing & Performance Improvement
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
Letter to C. Costanzo from K. Steven West dated September 1, 2009

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

DISTRIBUTION:
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Cynthia Pederson
Steven Orth
Jared Heck
Allan Barker
DRPIII
DRSIII
Patricia Buckley
Tammy Tomczak
ROPreports Resource
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/RA/

K. Steven West, Director
Division of Reactor Projects

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Enclosure: Duane Arnold Energy Center Inspection/Activity Plan
<table>
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<tr>
<th>Unit Number</th>
<th>Planned Dates</th>
<th>Inspection Activity</th>
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<th>No. of Staff on Site</th>
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This report does not include INPO and OUTAGE activities. This report shows only on-site and announced inspection procedures.
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