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).
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™
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™

DISTRIBUTION:
See next page
Subject: MID-CYCLE ASSESSMENT LETTER FOR DUANE ARNOLD ENERGY CENTER (REPORT 05000331/2013006)

Distribution:
Vivian Campbell
RidsNrrDorILpl3-1 Resource
RidsNrrPMDuaneArnold Resource
RidsNrrDirsIRib Resource
Cynthia Pederson
Anne Boland
Steven Orth
Allan Barker
Carole Ariano
Linda Linn
DRPIII
DRSIII
Patricia Buckley
Tammy Tomczak
ROPassessment.Resource@nrc.gov
## Inspection / Activity Plan
### Duane Arnold
#### 09/01/2013 - 12/31/2014

<table>
<thead>
<tr>
<th>unit number</th>
<th>planned dates start</th>
<th>planned dates end</th>
<th>inspection activity</th>
<th>title</th>
<th>no. of staff on site</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BI MODS</strong></td>
<td>- TRIENNIAL PERM MODS/50.59</td>
<td>09/02/2013 09/20/2013</td>
<td>IP 7111117T</td>
<td>Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications</td>
<td>3</td>
</tr>
<tr>
<td><strong>BI RP</strong></td>
<td>- RADIATION PROTECTION BASELINE INSPECTION</td>
<td>09/09/2013 09/13/2013</td>
<td>IP 71124.05</td>
<td>Radiation Monitoring Instrumentation</td>
<td>1</td>
</tr>
<tr>
<td><strong>ISFSI</strong></td>
<td>- ISFSI INSPECTION - SCHEDULE DEPENDENT</td>
<td>10/01/2013 10/31/2013</td>
<td>IP 60855.1</td>
<td>Operation of an Independent Spent Fuel Storage Installation at Operating Plants</td>
<td>2</td>
</tr>
<tr>
<td><strong>BI RP</strong></td>
<td>- RADIATION PROTECTION BASELINE INSPECTION</td>
<td>09/23/2013 09/27/2013</td>
<td>IP 71124.01</td>
<td>Radiological Hazard Assessment and Exposure Controls</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>09/23/2013 09/27/2013</td>
<td>IP 71151-BI01</td>
<td>Reactor Coolant System Activity</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>09/23/2013 09/27/2013</td>
<td>IP 71151-OR01</td>
<td>Occupational Exposure Control Effectiveness</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>09/23/2013 09/27/2013</td>
<td>IP 71151-PR01</td>
<td>RETS/ODCM Radiological Effluent</td>
<td></td>
</tr>
<tr>
<td><strong>RENEWAL</strong></td>
<td>- LR 71003 - PHASE 2 (DATE INFLEXIBLE)</td>
<td>11/04/2013 11/22/2013</td>
<td>IP 71003</td>
<td>Post-Approval Site Inspection for License Renewal</td>
<td>6</td>
</tr>
<tr>
<td><strong>BI RP</strong></td>
<td>- RADIATION PROTECTION BASELINE INSPECTION</td>
<td>02/03/2014 02/07/2014</td>
<td>IP 71124.08</td>
<td>Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation</td>
<td>1</td>
</tr>
<tr>
<td><strong>BI ENG</strong></td>
<td>- COMPONENT DESIGN BASIS INSPECTION</td>
<td>05/19/2014 06/20/2014</td>
<td>IP 7111121</td>
<td>Component Design Bases Inspection</td>
<td>6</td>
</tr>
<tr>
<td><strong>BI RP</strong></td>
<td>- RADIATION PROTECTION BASELINE INSPECTION</td>
<td>06/09/2014 06/13/2014</td>
<td>IP 71124.06</td>
<td>Radioactive Gaseous and Liquid Effluent Treatment</td>
<td>1</td>
</tr>
<tr>
<td><strong>BI RP</strong></td>
<td>- RADIATION PROTECTION BASELINE INSPECTION</td>
<td>09/22/2014 09/26/2014</td>
<td>IP 71124.07</td>
<td>Radiological Environmental Monitoring Program</td>
<td>1</td>
</tr>
<tr>
<td><strong>BI OLRQ</strong></td>
<td>- BIENNIAL REQUAL PROGRAM INSPECTION</td>
<td>09/15/2014 09/19/2014</td>
<td>IP 711111B</td>
<td>Licensed Operator Requalification Program</td>
<td>2</td>
</tr>
<tr>
<td><strong>BI RP</strong></td>
<td>- RADIATION PROTECTION BASELINE INSPECTION</td>
<td>11/03/2014 11/07/2014</td>
<td>IP 71124.01</td>
<td>Radiological Hazard Assessment and Exposure Controls</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11/03/2014 11/07/2014</td>
<td>IP 71151-BI01</td>
<td>Reactor Coolant System Activity</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>11/03/2014 11/07/2014</td>
<td>IP 71151-OR01</td>
<td>Occupational Exposure Control Effectiveness</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>11/03/2014 11/07/2014</td>
<td>IP 71151-PR01</td>
<td>RETS/ODCM Radiological Effluent</td>
<td></td>
</tr>
<tr>
<td><strong>BI ISI</strong></td>
<td>- INSERVICE INSPECTION</td>
<td>10/23/2014 11/22/2014</td>
<td>IP 7111108G</td>
<td>Inservice Inspection Activities - BWR</td>
<td>1</td>
</tr>
</tbody>
</table>

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