



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

March 4, 2013

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR DUANE ARNOLD ENERGY CENTER,
UNIT 1 (REPORT 05000331/2012001)**

Dear Mr. Anderson:

On February 13, 2013, the Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Duane Arnold Energy Center, Unit 1. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2012, through December 31, 2012. 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 overall, Duane Arnold Energy Center operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Duane Arnold Energy Center during the most recent quarter 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. The NRC also plans on performing Temporary Instruction (TI) 2515/182, "Review of the implementation of the Industry Initiative to Control Degradation of Underground Piping," at your facility. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised at the mid-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.

R. Anderson

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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), 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) 829-9753 with any questions you may have regarding this letter.

Sincerely,

/RA/

Robert J. Orlikowski, Acting 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

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Duane Arnold
Inspection / Activity Plan
03/01/2013 - 12/31/2014

| Unit Number | Planned Dates | | Inspection Activity | Title | No. of Staff on Site |
|-------------|---------------|------------|--|--|----------------------|
| | Start | End | | | |
| | | | PII&R - BIENNIAL PI&R INSPECTION | | 5 |
| 1 | 02/11/2013 | 03/01/2013 | IP 71152B | Problem Identification and Resolution | |
| | | | OL PREP - DUANE ARNOLD INIT PREP 03/2013 | | 3 |
| 1 | 03/18/2013 | 03/22/2013 | W90286 | OL - INITIAL EXAM - 2013 MAR-APR - DUANE ARNOLD | |
| | | | OL EXAM - DUANE ARNOLD INIT EXAM 04/2013 | | 3 |
| 1 | 04/08/2013 | 04/12/2013 | W90286 | OL - INITIAL EXAM - 2013 MAR-APR - DUANE ARNOLD | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 04/15/2013 | 04/19/2013 | IP 71124.05 | Radiation Monitoring Instrumentation | |
| | | | BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION | | 2 |
| 1 | 06/24/2013 | 06/28/2013 | IP 7111402 | Alert and Notification System Testing | |
| 1 | 06/24/2013 | 06/28/2013 | IP 7111403 | Emergency Preparedness Organization Staffing and Augmentation System | |
| 1 | 06/24/2013 | 06/28/2013 | IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | |
| 1 | 06/24/2013 | 06/28/2013 | IP 71151 | Performance Indicator Verification | |
| | | | TI INSP - TI 182 BURIED CABLE PHASE 2 | | 1 |
| 1 | 06/17/2013 | 06/21/2013 | IP 2515/182 | Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping | |
| | | | BI MODS - TRIENNIAL PERM MODS/50.59 | | 3 |
| 1 | 09/02/2013 | 09/20/2013 | IP 7111117T | Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications | |
| | | | ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT | | 2 |
| 1 | 10/01/2013 | 11/30/2013 | IP 60855.1 | Operation of an Independent Spent Fuel Storage Installation at Operating Plants | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 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 | |
| | | | RENEWAL - LR 71003 - PHASE 2 (DATE INFLEXIBLE) | | 6 |
| 1 | 11/04/2013 | 11/22/2013 | IP 71003 | Post-Approval Site Inspection for License Renewal | |
| | | | BI EPX - EP EXERCISE INSPECTION / PI VERIFICATION | | 2 |
| 1 | 04/07/2014 | 04/11/2014 | IP 71151 | Performance Indicator Verification | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 02/03/2014 | 02/07/2014 | IP 71124.08 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation | |
| | | | BI ENG - COMPONENT DESIGN BASIS INSPECTION | | 6 |
| 1 | 05/19/2014 | 06/20/2014 | IP 7111121 | Component Design Bases Inspection | |

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

Duane Arnold
Inspection / Activity Plan
03/01/2013 - 12/31/2014

| Unit Number | Planned Dates | | Inspection Activity | Title | No. of Staff on Site |
|-------------|---------------|------------|---|--|----------------------|
| | Start | End | | | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 06/09/2014 | 06/13/2014 | IP 71124.06 | Radioactive Gaseous and Liquid Effluent Treatment | |
| 1 | 06/09/2014 | 06/13/2014 | IP 71124.07 | Radiological Environmental Monitoring Program | |
| | | | BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION | | 2 |
| 1 | 09/15/2014 | 09/19/2014 | IP 7111111B | Licensed Operator Requalification Program | |
| | | | BI RP - RADIATION PROTECTION BASELINE INSPECTION | | 1 |
| 1 | 10/06/2014 | 10/10/2014 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 1 | 10/06/2014 | 10/10/2014 | IP 71151-BI01 | Reactor Coolant System Activity | |
| 1 | 10/06/2014 | 10/10/2014 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | |
| 1 | 10/06/2014 | 10/10/2014 | IP 71151-PR01 | RETS/ODCM Radiological Effluent | |
| | | | BI ISI - INSERVICE INSPECTION | | 1 |
| 1 | 10/23/2014 | 11/22/2014 | IP 7111108G | Inservice Inspection Activities - BWR | |

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