



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

March 4, 2019

Mr. Dean Curtland
Director of Site Operations
NextEra Energy Duane Arnold, LLC
3277 DAEC Road
Palo, IA 52324-9785

SUBJECT: ANNUAL ASSESSMENT LETTER FOR DUANE ARNOLD ENERGY CENTER
(REPORT 05000331/2018006)

Dear Mr. Curtland:

The NRC has completed its end-of-cycle performance assessment of your Duane Arnold Energy Center, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2018 through December 31, 2018. 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 concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Duane Arnold Energy Center during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the 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, 2020. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. You should be aware that the agency is pursuing potential changes to the ROP, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"). Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

The enclosed inspection plan lists a triennial Design Bases Assurance Inspection (Team) in January 2020.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Please contact me 630-829-9803 with any questions you have regarding this letter.

Sincerely,

/RA/

Dariusz Szwarc, Acting Chief
Branch 2
Division of Reactor Projects

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

Enclosure:
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Dean Curtland from Dariusz Szwarc dated March 4, 2019

SUBJECT: ANNUAL ASSESSMENT LETTER FOR DUANE ARNOLD ENERGY CENTER
(REPORT 05000331/2018006)

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IP 22 Inspection Activity Plan Report

07200032 - Duane Arnold (ISFSI)

03/04/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
ISFSI Security Inspection						
1	04/22/2019	04/26/2019	IP 81311	001006	Physical Security Requirements for Independent Spent Fuel Storage Installations	2

IP 22 Inspection Activity Plan Report

Duane Arnold

03/04/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
Biennial Problem Identification and Resolution Inspection						4
1	02/25/2019	03/15/2019	IP 71152B	000747	Problem Identification and Resolution	
Security Baseline Inspection						1
1	03/04/2019	03/08/2019	IP 71130.02	000734	Access Control	
2019 DAEC Exam						4
1	03/10/2019	03/15/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	04/07/2019	04/19/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
Radiation Protection Baseline Inspection						1
1	04/22/2019	04/26/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	04/22/2019	04/26/2019	IP 71151	000746	Performance Indicator Verification	
Emergency Preparedness Baseline Inspection / Performance Indicator Verification						1
1	04/29/2019	05/03/2019	IP 71114.02	000717	Alert and Notification System Testing	
1	04/29/2019	05/03/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	04/29/2019	05/03/2019	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	04/29/2019	05/03/2019	IP 71151	001397	Performance Indicator Verification	
Reliable Hardened Containment Vents TI-193						2
1	07/22/2019	07/26/2019	TI 2515/193	000511	Inspection of the Implementation of EA-13-109: Order Modifying Licenses with Regard to Reliable Hardened Containment Vents Capable of Operation under Severe Accident Conditions	
Radiation Protection Baseline Inspection						2
1	08/12/2019	08/16/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	08/12/2019	08/16/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
Security Baseline Inspection						1
1	09/09/2019	09/13/2019	IP 71130.06	000738	Protection of Safeguards Information	
1	09/09/2019	09/13/2019	IP 71130.07	000739	Security Training	
1	09/09/2019	09/13/2019	IP 71151	001338	Performance Indicator Verification	
Evaluations of Changes, Tests, and Experiments Inspection						3
1	09/16/2019	09/20/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	

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

IP 22 Inspection Activity Plan Report

Duane Arnold

03/04/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
Radiation Protection Baseline Inspection						1
1	10/21/2019	10/25/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
Biennial Requalification Program Inspection						2
1	11/18/2019	11/22/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
Design Bases Assurance Inspection (Team)						6
1	01/13/2020	01/17/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1	01/20/2020	01/24/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1	01/27/2020	01/31/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
Radiation Protection Baseline Inspection						1
1	03/09/2020	03/13/2020	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
ISFSI Cask Loading Inspection 1Q2020						2
1	03/16/2020	03/20/2020	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
Security Baseline Inspection						1
1	03/16/2020	03/20/2020	IP 71130.08	000740	Fitness For Duty Program	
1	03/16/2020	03/20/2020	IP 71151	001338	Performance Indicator Verification	
Emergency Preparedness Exercise Inspection / Performance Indicator Verification						4
1	04/13/2020	04/17/2020	IP 71114.01	000716	Exercise Evaluation	
1	04/13/2020	04/17/2020	IP 71151	001397	Performance Indicator Verification	
Radiation Protection Baseline Inspection						1
1	05/04/2020	05/08/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	05/04/2020	05/08/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/04/2020	05/08/2020	IP 71124.04	000728	Occupational Dose Assessment	
Security Baseline Inspection						1
1	05/04/2020	05/08/2020	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
Radiation Protection Baseline Inspection						1
1	07/13/2020	07/17/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	

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IP 22 Inspection Activity Plan Report

Duane Arnold

03/04/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
Security Baseline Inspection						1
1	07/20/2020	07/24/2020	IP 71130.02	000734	Access Control	
Inservice Inspection Duane Arnold Unit 1						1
1	09/07/2020	09/18/2020	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
Security Baseline Inspection						1
1	09/09/2020	09/11/2020	IP 71130.14	000743	Review of Power Reactor Target Sets	
Radiation Protection Baseline Inspection						2
1	09/21/2020	09/25/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	09/21/2020	09/25/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	09/21/2020	09/25/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/21/2020	09/25/2020	IP 71124.04	000728	Occupational Dose Assessment	