



February 29, 2016

NG-16-0044  
10 CFR 26

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555-0001

Duane Arnold Energy Center  
Docket 50-331  
Renewed Op. License No. DPR-49

Fitness for Duty Performance Data

In accordance with 10 CFR 26, NextEra Energy Duane Arnold, LLC hereby submits the Fitness for Duty (FFD) Program Performance Data for the Duane Arnold Energy Center. This report covers the twelve-month period ending December 31, 2015. Please note that the FFD Program Performance Data Reporting System Annual Reporting Form for Drug and Alcohol Tests included in the Enclosure was submitted electronically on February 15, 2016, reference ML16046A011.

If you have any questions, please contact Michael Davis at (319) 851-7032.

A handwritten signature in black ink, appearing to be "T. A. Vehec".

T. A. Vehec  
Vice President, Duane Arnold Energy Center  
NextEra Energy Duane Arnold, LLC

Enclosure

A021  
NSIR

ENCLOSURE to NG-16-0044

FITNESS FOR DUTY PROGRAM PERFORMANCE DATA  
PERSONNEL SUBJECT TO 10 CFR 26

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# FITNESS FOR DUTY PROGRAM PERFORMANCE DATA

**NextEra Energy**

**2015**

Company

Annual Reporting Period

**Duane Arnold Energy Center**

Location

**Darla Grimm**

**(319) 851-7355**

Contact Name

Phone Number

Cutoffs: Screen/Confirmation (ng/ml) & Alcohol (% BAC)

  X   10 CFR 26 Levels identified in Sections 26.103 and 26.163

Testing Results	Licensee Employees		Contractor Personnel	
Average number with Unescorted Access Total: 711	546		165	
Categories	# Tested	# Positive	# Tested	# Positive
Follow-Up	24	0	6	0
For Cause – Observed Behavior	0	0	0	0
For Cause - Post Event	1	0	0	0
Pre-Access	63	0	124	0
Random	305	0	81	0
Total	393	0	211	0

During the reporting period of 2015, **NextEra Energy/Duane Arnold Energy Center** conducted 604 drug and alcohol tests in accordance with 10 CFR Part 26. Random test rates are as follows:

Reporting Period
<b>2015</b>
Site Location
<b>54.3%</b>

## BREAKDOWN OF CONFIRMED POSITIVE TESTS

Site Location	Marijuana	Cocaine	Opiates	Amphe- tamines	Phency- clidine	Alcohol	Refusal to Test	
Licensee Employees	0	0	0	0	0	0	0	
Contractors	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0

### Management Actions

For the reporting period of 2015, no workers tested positive for drugs or alcohol.

### Additional Comments

1. There were no subversion attempts during the **2015** reporting period.
2. For the **2015** reporting period, all blind specimens submitted to **Duane Arnold Energy Center's** HHS-certified laboratory yielded expected results.

### Reportable Events

**Duane Arnold Energy Center** had no reportable events in 2015.



Summary of Waiver Issuance - 26.203(e)(1)(i-ii)

Work Hour Controls		Number of Waivers Issued																		
		Operating or on-site directing of the operations of systems as described in 26.4(a)(1)			Performing health physics or chemistry duties as described in 26.4(a)(2)			Performing duties of a fire brigade member, as described in 26.4(a)(3) *			Performing maintenance or onsite directing of maintenance, as described in 26.4(a)(4)			Performing security duties as described in 26.4(a)(5)			Operating Total	Outage Total (days 1-60)	Outage (after day 60)	Combined Total
		Operating	Outage (days 1-60)	Outage (after day 60)	Operating	Outage (days 1-60)	Outage (after day 60)	Operating	Outage (days 1-60)	Outage (after day 60)	Operating	Outage (days 1-60)	Outage (after day 60)	Operating	Outage (days 1-60)	Outage (after day 60)				
Daily Work Hours 26.205(d)(1)	Exceeded 16 work hrs in any 24 hr period							1									1	0	0	1
	Exceeded 26 work hrs in any 48 hr period				1			1									2	0	0	2
	Exceeded 72 work hrs in any 7 day period				1												1	0	0	1
Rest Breaks 26.205(d)(2)	Less than 10 hr break b/t successive work periods (or 8 hr break accommodating scheduled transition b/t shifts)							1									1	0	0	1
	Less than 34 hr break in any 9 day period																0	0	0	0
Minimum Days Off Per Shift Cycle 26.205(d)(3)	Avg of less than 1 day off per week for 8-hour shifts while operating																0		0	0
	Avg of less than 2 days off per week for 10-hour shifts while operating																0		0	0
	Avg of less than 2.5 days off per week for 12-hour shifts while operating																0		0	0
	Avg of less than 2 days off per week for 12-hour maintenance shifts																0		0	0
	Avg of less than 3 days off per week for 12-hour security shifts																0		0	0
Minimum Days Off for Outage Activities (during first 60 days of outage) 26.205(d)(4) and 26.205(d)(5)	Less than 3 days off per successive 15-day period 26.205(d)(4)																	0		0
	Less than 1 day off per 7-day period for maintenance personnel 26.205(d)(4)																	0		0
	Less than 4 days off per successive 15-day period for security personnel 26.205(d)(4)																	0		0
Alternate to Minimum Days Off 26.205(d)(7)	54 hour maximum average																0	0	0	0
TOTAL		0	0	0	2	0	0	3	0	0	0	0	0	0	0	0	5	0	0	5

\* NOTE: For individuals performing fire brigade duties and other duties, please count them only under the fire brigade column. Do not double count these individuals.



## 10 CFR Part 26, Subpart I - Annual Fatigue Results

Facility Name

Report Period

Duane Arnold

2015

## Distribution of Waiver for Individuals in Each Category - 26.203(e)(1)(iii)

## Number of Employees Issued Waivers

Number of Waivers	Operating or on-site directing of the operations of systems, as described in 26.4(a)(1)	Performing health physics or chemistry duties as described in 26.4(a)(2)	Performing duties of a fire brigade member as described in 26.4(a)(3) *	Performing maintenance or onsite directing of maintenance as described in 26.4(a)(4)	Performing security duties as described in 26.4(a)(5)
1			1		
2		1	1		
3					
4					
5					
6					
7					
8					
9					
10					
11-20					
More than 20					
Total Number of Employees Issued Waivers	0	1	2	0	0
Most Waivers Provided to a Single individual		2	2		

\* Note: For individuals performing the fire brigade duties, please count them only under fire brigade column. Do not double count these individuals.

## Summary of Corrective Actions - 26.203(e)(2)

## Analysis of Waiver Assessment Data:

Two waivers were issued for a Health Physics Technician due to illness of oncoming watchstander. The individual worked > 26 hours in a 48 hour period and >72 hours in seven days. One waiver was issued for a Radwaste Operator standing as Fire Brigade Member (FBM) due to illness of oncoming FBM. The individual had a break of less than 8 hours between FBM shifts. Two waivers were issued for a Radwaste Operator standing as FBM due to illness of oncoming FBM. The individual worked > 16 hours in a 24 hour period and > 26 hours in 48 hours.

## Analysis of Fatigue Assessment Data:

Three Fatigue Assessments were conducted in 2015: 1) a FBM recieved an break of < 8 hours, 2) a Health Physics watchstander worked > 26 hours in a 48 hour period and > 72 hours in 7 days, and 3) a Post-Event Fatigue Assessment was performed on a Security Officer. All three Fatigue Assessment determined the individuals were not fatigued.

## Conclusions:

Two waivers were issued for 2 individuals. One waiver was issued for one individual and 3 Fatigue Assessments were performed.

## Summary of Status of Corrective Actions:

No corrective actions were required based on the review of waivers and fatigue assessments.