



June 30, 2011

NG-11-0231
10 CFR 50.73

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

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

Licensee Event Report #2011-001-00

Please find attached the subject report submitted in accordance with 10 CFR 50.73. This letter makes no new commitments or changes to any existing commitments.

A handwritten signature in black ink that reads "Christopher R. Costanzo". The signature is written in a cursive style.

Christopher R. Costanzo
Vice President, Duane Arnold Energy Center
NextEra Energy Duane Arnold, LLC

LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records and FOIA/Privacy Service Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOF-10202 (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

1. FACILITY NAME Duane Arnold Energy Center	2. DOCKET NUMBER 05000331	3. PAGE 1 OF 3
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4. TITLE
Emergency Based Suspension of Safeguards Under Provisions of 10CFR50.54(x)

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO.	MONTH	DAY	YEAR	FACILITY NAME	DOCUMENT NUMBER
05	03	11	2011	001	0	06	30	11	N/A	05000
									N/A	05000

9. OPERATING MODE 1	11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: <i>(Check all that apply)</i>									
	<input type="checkbox"/> 20.2201(b)	<input type="checkbox"/> 20.2203(a)(3)(i)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)(C)	<input type="checkbox"/> 50.73(a)(2)(vii)						
	<input type="checkbox"/> 20.2201(d)	<input type="checkbox"/> 20.2203(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)						
	<input type="checkbox"/> 20.2203(a)(1)	<input type="checkbox"/> 20.2203(a)(4)	<input type="checkbox"/> 50.73(a)(2)(ii)(B)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)						
	<input type="checkbox"/> 20.2203(a)(2)(i)	<input type="checkbox"/> 50.36(c)(1)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)(A)						
	<input type="checkbox"/> 20.2203(a)(2)(ii)	<input type="checkbox"/> 50.36(c)(1)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(iv)(A)	<input type="checkbox"/> 50.73(a)(2)(x)						
	<input type="checkbox"/> 20.2203(a)(2)(iii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(v)(A)	<input type="checkbox"/> 73.71(a)(4)						
	<input type="checkbox"/> 20.2203(a)(2)(iv)	<input type="checkbox"/> 50.46(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(v)(B)	<input type="checkbox"/> 73.71(a)(5)						
	<input type="checkbox"/> 20.2203(a)(2)(v)	<input type="checkbox"/> 50.73(a)(2)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(v)(C)	<input type="checkbox"/> OTHER						
	<input type="checkbox"/> 20.2203(a)(2)(vi)	<input type="checkbox"/> 50.73(a)(2)(i)(B)	<input type="checkbox"/> 50.73(a)(2)(v)(D)	<input type="checkbox"/> VOLUNTARY LER						

12. LICENSEE CONTACT FOR THIS LER

NAME Robert J. Murrell, Engineering Analyst	TELEPHONE NUMBER <i>(Include Area Code)</i> (319) 851-7900
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13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT

CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX
A	LJ	GBM	N/A	N					

14. SUPPLEMENTAL REPORT EXPECTED <input type="checkbox"/> YES <i>(If yes, complete 15. EXPECTED SUBMISSION DATE)</i> <input checked="" type="checkbox"/> NO	15. EXPECTED SUBMISSION DATE	MONTH	DAY	YEAR
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ABSTRACT *(Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)*

On May 3, 2011 at 1328, while operating at 100% power, a fire occurred at the site's hydrogen station (IEEE System Code LJ). In response to the fire, the incident commander requested that security personnel evacuate a security post due to the evident safety risk posed by the fire. At 1354 it was determined that there were no adequate or equivalent compensatory measures available, and the request to suspend safeguards was granted by the Operations Shift Manager and the Technical Specification (TS) for License Condition for Physical Protection (safeguards) were deviated from pursuant of 10CFR50.54(x). The decision to suspend safeguards was necessary due to the fact that the security post area was uninhabitable due to life-threatening safety concerns since the security post structure did not provide sufficient protection from the fire. At 1820 the area was declared safe for the security post personnel and they were returned to re-establish the post. The cause of this event was the lack of adequate or equivalent compensatory measures for the security post.

This event is being reported as Deviation from TS under 10CFR50.54(x). Additionally, this event was reported under 10CFR50.72(b)(1), Deviation from TS, reference Event Notification 46813. There were no actual safety consequences and no effect on public health and safety as a result of this event.

**LICENSEE EVENT REPORT (LER)
CONTINUATION SHEET**

1. FACILITY NAME Duane Arnold Energy Center	2. DOCKET 05000 - 331	6. LER NUMBER			3. PAGE 2 OF 3
		YEAR 2011	SEQUENTIAL NUMBER 001	REV NO. 0	

NARRATIVE (If more space is required, use additional copies of NRC Form 366A) (17)

I. Description of Event:

On May 3, 2011 at 1328, while operating at 100% power, the site was in the process of receiving a shipment of hydrogen, a routine task that occurs approximately once per week. This evolution involves the delivery of a fresh hydrogen tube trailer by the supplier, Airgas, swapping the plant supply over from the depleted trailer, and removing the depleted trailer from the site. The hydrogen station (IEEE System Code LJ) is located outside the protected area. Due to a human performance event that occurred after the trailers were swapped, the flexible hose connection was severed when the delivery person fell on the hydrogen tube trailer connection hose. This resulted in a fire.

In response to the fire, the operations incident commander requested that security personnel evacuate a security post due to the evident safety risk posed by the fire. At 1354 it was determined that there were no adequate or equivalent compensatory measures available, and the request to suspend safeguards was granted by the Operations Shift Manager and the Technical Specification (TS) License Condition for Physical Protection (safeguards) were deviated from pursuant of 10CFR50.54(x). The decision to suspend safeguards was necessary due to the fact that the security post area was uninhabitable due to life-threatening safety concerns. At 1820 the area was declared safe for the security post personnel and they were returned to re-establish the post.

II. Assessment of Safety Consequences:

This event resulted in an injury to an Airgas employee and a hydrogen fire that created potentially fatal conditions. The fire caused nuclear safety impacts when access to the pump house was restricted. This resulted in the site declaring an Alert.

This event is being reported as Deviation from TS under 10CFR50.54(x). Additionally, this event was reported under 10CFR50.72(b)(1), Deviation from TS, reference Event Notification 46813.

This event did not result in a Safety System Functional Failure.

III. Cause of Event:

An Apparent Cause Evaluation was completed for this event. The evaluation determined that the cause was a lack of adequate or equivalent compensatory measures for the security post.

**LICENSEE EVENT REPORT (LER)
CONTINUATION SHEET**

1. FACILITY NAME Duane Arnold Energy Center	2. DOCKET 05000 - 331	6. LER NUMBER			3. PAGE 3 OF 3
		YEAR 2011	SEQUENTIAL NUMBER 001	REV NO. 0	

NARRATIVE (If more space is required, use additional copies of NRC Form 366A) (17)

IV. Corrective Actions:

On May 3, 2011, at 1820 the area was declared safe for the security post personnel and they were returned to re-establish the post.

Follow up corrective actions include developing pre-planned compensatory measures for posts such as the one that was affected by the fire.

V. Additional Information:

Previous Similar Occurrences:

A review of Licensed Event Reports from the past 5 years did not identify any previous similar occurrences.

EIIS System and Component Codes:

LJ - Hydrogen Supply System

Reporting Requirements:

This event is being reported as Deviation from TS under 10CFR50.54(x). Additionally, this event was reported under 10CFR50.72(b)(1), Deviation from TS, reference Event Notification 46813.