



August 19, 2005

NG-05-0453
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 #2005-002-00

Please find attached the subject Licensee Event Report (LER) submitted in accordance with 10 CFR 50.73. There are no new commitments contained within this report. Should you have any questions regarding this report, please contact this office.

Gary D. Van Middlesworth
Site Vice President, Duane Arnold Energy Center
Nuclear Management Company, LLC

cc: Administrator, Region III, USNRC
Project Manager, DAEC, USNRC
Resident Inspector, DAEC, USNRC

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Estimated burden per response to comply with this mandatory information collection request: 50 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bjs1@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 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.

LICENSEE EVENT REPORT (LER)

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

FACILITY NAME (1) Duane Arnold Energy Center	DOCKET NUMBER (2) 05000331	PAGE (3) 1 of 3
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TITLE (4)
Both Standby Gas Treatment Trains Briefly Inoperable During Testing

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MO	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO	MO	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
06	20	2005	2005	002	00	08	19	2005	FACILITY NAME	DOCKET NUMBER
OPERATING MODE (9)		1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply) (11)							
POWER LEVEL (10)		96	20.2201(b)			20.2203(a)(3)(ii)			50.73(a)(2)(ii)(B)	50.73(a)(2)(ix)(A)
			20.2201(d)			20.2203(a)(4)			50.73(a)(2)(iii)	50.73(a)(2)(x)
			20.2203(a)(1)			50.36(c)(1)(i)(A)			50.73(a)(2)(iv)(A)	73.71(a)(4)
			20.2203(a)(2)(i)			50.36(c)(1)(ii)(A)			50.73(a)(2)(v)(A)	73.71(a)(5)
			20.2203(a)(2)(ii)			50.36(c)(2)			50.73(a)(2)(v)(B)	OTHER
			20.2203(a)(2)(iii)			50.46(a)(3)(ii)		x	50.73(a)(2)(v)(C)	Specify in Abstract below or in NRC Form 366A
			20.2203(a)(2)(iv)			50.73(a)(2)(i)(A)			50.73(a)(2)(v)(D)	
			20.2203(a)(2)(v)			50.73(a)(2)(i)(B)			50.73(a)(2)(vii)	
			20.2203(a)(2)(vi)			50.73(a)(2)(i)(C)			50.73(a)(2)(viii)(A)	
			20.2203(a)(3)(i)			50.73(a)(2)(ii)(A)			50.73(a)(2)(viii)(B)	

LICENSEE CONTACT FOR THIS LER (12)

NAME Robert Murrell, Regulatory Affairs	TELEPHONE NUMBER (Include Area Code) 319-851-7900
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)	X	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
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ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

On June 20, 2005, with the plant operating at 96% power in Mode 1, during the performance of the monthly 10-hour testing of the 'B' Standby Gas Treatment (SBGT) train, it was discovered that the flow-indicating controller was not controlling flow at the required setpoint. As a result, the 'B' SBGT train was declared inoperable at 0308. As part of this testing, the 'A' SBGT train Mode Select switch was in Manual with the inlet damper closed rendering the 'A' SBGT train inoperable. During the short period of time (approximately 4 minutes) between the discovery of the 'B' SBGT controller failure and the return of the 'A' SBGT train to an operable condition, both SBGT trains were inoperable which is a condition that could prevent the fulfillment of the safety function of the SBGT system to control the release of radioactive material.

To correct this issue, the 'A' SBGT train was restored to operable status at 0312 on June 20, 2005, when its inlet damper was reopened and its Mode Select switch was returned to AUTO per the surveillance test.

The cause of this event was the failure of a capacitor in the 'B' SBGT flow controller.

There were no actual safety consequences and no effect on public health and safety as a result of this event. This event is reportable under 10CFR50.73(a)(2)(v)(C).

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

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Duane Arnold Energy Center	05000331	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	2 of 3
		2005	-- 002	-- 00	

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

I. Description of Event:

On June 20, 2005, with the plant operating at 96% power in Mode 1, during the performance of the monthly 10-hour testing of the 'B' Standby Gas Treatment (SBGT) train, it was discovered that the flow-indicating controller was not controlling flow at the required setpoint. As a result, the 'B' SBGT train was declared inoperable at 0308 on June 20, 2005. As part of this testing, the 'A' SBGT train Mode Select switch was in Manual with the inlet damper closed rendering the 'A' SBGT train inoperable. During the short period of time (approximately 4 minutes) between the discovery of the 'B' SBGT controller failure and the return of the 'A' SBGT train to an operable condition, both SBGT trains were inoperable which is a condition that could prevent the fulfillment of the safety function of the SBGT system to control the release of radioactive material.

The 'A' SBGT train was restored to operable status at 0312 on June 20, 2005 when its inlet damper was reopened and its Mode Select switch was returned to AUTO per the surveillance test.

II. Assessment of Safety Consequences:

A 10CFR50.72(b)(3)(v)(C), "Control the release of radioactive material" notification was made on June 20, 2005 and is listed as event number EN 41785. This report is being submitted pursuant to 10CFR50.73(a)(2)(v)(C).

This event did not affect the availability of other systems needed to maintain safe shutdown conditions, remove residual heat, control the release of radioactive material, or mitigate the consequences of an accident.

Therefore, there were no actual safety consequences associated with this event. There was no effect on public health and safety as a result of this event.

This event resulted in a Safety System Functional Failure of SBGT.

III. Cause of Event:

The cause of this event was the failure of a capacitor in the 'B' SBGT flow controller.

IV. Corrective Actions:

The 'A' SBGT train was restored to operable status at 0312 on June 20, 2005 when its inlet damper was reopened and its Mode Select switch was returned to AUTO per the surveillance test.

The failed capacitor in the 'B' SBGT flow controller was replaced on June 20, 2005.

CA 40481 is tracking the replacement of both the 'A' and 'B' SBGT flow controllers with a newer, more reliable model. This action is scheduled to be completed by March 31, 2006.

LICENSEE EVENT REPORT (LER)

TEXT CONTINUATION

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

EIIS System and Component Codes:

BH – Emergency/Standby Gat Treatment System.

V. Additional Information:

Previous Similar Occurrences:

A review of LERs at the DAEC over the last 3 years identified no LERs with similar causes.