



**Exelon Generation**®

**Dresden Nuclear Power Station**

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**10 CFR 50.73**

**SVPLTR # 13-0032**

**August 23, 2013**

**U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001**

**Dresden Nuclear Power Station, Unit 2  
Renewed Facility Operating License No. DPR-19  
NRC Docket No. 50-237**

**Subject: Licensee Event Report 237/2013-001-00, Secondary Containment Inoperable  
Due to Two Interlock Doors Being Open Simultaneously**

**Enclosed is Licensee Event Report 237/2013-001-00, Secondary Containment Inoperable Due to Two Interlock Doors Being Open Simultaneously. This is an interim report which describes an event which is being reported in accordance with 10 CFR 50.73(a)(2)(v)(C), any event or condition that could have prevented the fulfillment of the safety function of structures or systems that are needed to control the release of radioactive material.**

**There are no regulatory commitments contained in this submittal.**

**Should you have any questions concerning this letter, please contact Mr. Glen Morrow at (815) 416-2800.**

**Respectfully,**

**Shane M. Marik  
Site Vice President  
Dresden Nuclear Power Station**

**Enclosure**

**cc: Regional Administrator – NRC Region III  
NRC Senior Resident Inspector – Dresden Nuclear Power Station**

*IE22  
MRR*

# 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 FOIA/Privacy Section (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [infocollects.resource@nrc.gov](mailto:infocollects.resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NECA-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 <b>Dresden Nuclear Power Station, Unit 2</b>	2. DOCKET NUMBER <b>05000237</b>	3. PAGE <b>1 OF 3</b>
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4. TITLE  
**Secondary Containment Inoperable Due to Two Interlock Doors Being Open Simultaneously**

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	DOCKET NUMBER
06	28	2013	2013	- 001 -	00	06	23	2013	Dresden Unit 3	05000249
									FACILITY NAME	DOCKET NUMBER
									N/A	05000

9. OPERATING MODE  
**1**

10. POWER LEVEL  
**100**

11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply)

<input type="checkbox"/> 20.2201(b)	<input type="checkbox"/> 20.2203(a)(3)(I)	<input type="checkbox"/> 50.73(a)(2)(I)(C)	<input type="checkbox"/> 50.73(a)(2)(vi)
<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)(vii)(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)(vii)(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)(B)	<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 checked="" 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)	Specify in Abstract below or in NRC Form 368A

12. LICENSEE CONTACT FOR THIS LER

NAME <b>Glen Morrow - Regulatory Assurance Manager</b>	TELEPHONE NUMBER (Include Area Code) <b>815-416-2800</b>
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13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT

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

14. SUPPLEMENTAL REPORT EXPECTED

YES (If yes, complete 15. EXPECTED SUBMISSION DATE)       NO

15. EXPECTED SUBMISSION DATE

MONTH	DAY	YEAR
12	20	13

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)

On 6/28/2013, from 07:49:07 to 07:49:14, control room operators received a control room alarm indicating that the unit 2/3 emergency diesel generator (EDG) interlock doors were open simultaneously. Individuals were able to enter the interlock, from two directions, at the same time. With two interlock doors open simultaneously, Technical Specifications 3.6.4.1, Surveillance Requirement 3.6.4.1.2, was not met. With the Surveillance Requirement not met, Secondary Containment was declared inoperable, and entry into Technical Specifications 3.6.4.1 Condition A was made. The doors were immediately closed and the Technical Specifications Condition was exited. Based upon the results of troubleshooting, a degraded micro switch was identified which may have contributed to the door malfunction. However, the cause of this event is still under investigation.

Based upon the short duration of the secondary containment doors being opened simultaneously and that the Secondary Containment differential pressure remained negative during the course of this event, this event is of low safety significance.

This event is being reported in accordance with 10 CFR 50.73(a)(2)(v)(C), any event or condition that could have prevented the fulfillment of the safety function of structures or systems that are needed to control the release of radioactive material.

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

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		YEAR	SEQUENTIAL NUMBER	REV NO.	
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**NARRATIVE**

**PLANT AND SYSTEM IDENTIFICATION**

Dresden Nuclear Power Station (DNPS) Units 2 and 3 are General Electric Company Boiling Water Reactors with a licensed maximum power level of 2957 megawatts thermal. The Energy Industry Identification System codes used in the text are identified as [XX].

**A. Plant Conditions Prior to Event:**

Unit: 02	Event Date: 06-28-2013	Event Time: 0749 hours CDT
Reactor Mode: 1	Mode Name: Power Operation	Power Level: 100 percent
Unit: 03	Event Date: 06-28-2013	Event Time: 0749 hours CDT
Reactor Mode: 1	Mode Name: Power Operation	Power Level: 100 percent

**B. Description of Event:**

At 0749 CDT on June 28, 2013, indication was received in the control room that two secondary containment [NG] doors leading to the Unit 2/3 EDG room were opened simultaneously. Two individuals from the Operations Department staff were exiting 2/3 EDG Room at the same time that a Radiation Protection Department technician in the Unit 2 Reactor Building was heading towards the 2/3 EDG room. The individuals were able to enter the interlock at the same time which resulted in both doors opening simultaneously. The interlock was empty at the time the doors were opened simultaneously and it was reported that both red lights were out (i.e., indicating the other door was shut and the interlock logic would allow the door to open) prior to the buttons being pushed to open the doors.

This event is being reported in accordance with 10 CFR 50.73(a)(2)(v)(C), any event or condition that could have prevented the fulfillment of the safety function of structures or systems that are needed to control the release of radioactive material.

**C. Cause of Event:**

Based upon the results of troubleshooting, a degraded micro switch was identified which may have contributed to the door malfunction. However, the Cause of this event is still under investigation. DNPS intends to supplement this LER with the final cause(s) of this event after the investigation is complete.

**D. Safety Analysis:**

The Secondary Containment interlock doors were open for approximately seven seconds and based upon the short duration of the secondary containment doors being opened simultaneously and that the Secondary Containment differential pressure remained negative during the course of this event, this event is of low safety significance.

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

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**NARRATIVE**

**E. Corrective Actions:**

As a result of this event, site engineering is evaluating potential improvements that can be made to the Secondary Containment interlock circuitry.

**F. Previous Occurrences:**

The cause of this event is still being investigated, and DNPS intends to supplement this LER with the previous occurrences that are similar to the final cause(s) of the event described in this LER.

**G. Component Failure Data:**

Not Applicable