

General Information or Other (PAR)

Event # 43982

Rep Org: AREVA NP, INC.	Notification Date / Time: 02/13/2008 15:26 (EST)
Supplier: AREVA NP, INC.	Event Date / Time: 12/27/2007 (EST)
	Last Modification: 02/13/2008
Region: 1	Docket #:
City: LYNCHBURG	Agreement State: No
County:	License #:
State: VA	
NRC Notified by: GAYLE ELLIOTT	Notifications: GLENN DENTEL R1
HQ Ops Officer: STEVE SANDIN	EUGENE GUTHRIE R2
Emergency Class: NON EMERGENCY	PART 21 COORD NRR
10 CFR Section:	
21.21 UNSPECIFIED PARAGRAPH	

PART 21 INVOLVING POTENTIALLY DAMAGED FUEL ASSEMBLY SPACER SIDE PLATES

The following information was received via facsimile:

"Reportable Defect

"(i) Name and address of the individual informing the Commission: Gayle Elliott, 3315 Old Forest Road, Lynchburg, VA 24501

"(ii) Identification of the facility, the activity, or the basic component supplied for such facility or such activity within the United States which fails to comply or contains a defect: Susquehanna Steam Electric Station, Units 1 and 2, potentially may contain ATRIUM- fuel assemblies with damaged spacer side plates.

"(iii) Identification of the firm constructing the facility or supplying the basic component which fails to comply or contains a defect: AREVA NP Inc. (AREVA NP) supplied the ATRIUM-10 fuel assemblies to the Susquehanna units. The spacer side plates were damaged during recent re-channeling campaigns at the reactor site.

"(iv) Nature of the defect or failure to comply and the safety hazard which is created or could be created by such a defect or failure to comply: The damaged (missing) spacer side plates could impact the critical power performance of the fuel assemblies and the local power peaking distribution within the fuel assembly.

"(v) The date on which the information of such a defect or failure to comply was obtained: This issue was determined to be a deviation on December 27, 2007.

"(vi) In the case of a basic component which fails to comply, the number and the location of all such components in

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use at, supplied for, or being supplied for one or more facilities or activities subject to the regulations in this part: The known defect has occurred at Susquehanna Unit 1. Based on the number of spacer pieces found, four (4) fuel assemblies could be damaged.

"(vii) The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for this action; and the length of time that has been or will be taken to complete the action: AREVA NP recommended and PPL Implemented Operating Limit penalties for the potentially damaged fuel assemblies to protect the MCPR Safety Limit and LHGR SAFDL.

"(viii) Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees: See (vii) above."



3315 Old Forest Road
P. O. Box 10935
Lynchburg, VA 24506-0935

**Project Management Department
FAX COVER SHEET**

DATE: 2-13-2008

ATTENTION: NRC'S OPERATION CENTER

COMPANY NAME: _____

CITY, STATE: _____ FAX NUMBER: (301) 816-5151

FROM: GAYLE ELLIOTT

DEPARTMENT: CORPORATE
REGULATORY AFFAIRS (434) 832- 3347 COST CENTER: _____

NUMBER OF PAGES TO FOLLOW: 2

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COMMENTS: _____

FAX NUMBER (434) 832-4121

VERIFICATION NUMBERS (434) 832-4124

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Reportable Defect

- (i) *Name and address of the individual informing the Commission*

Gayle Elliott, 3315 Old Forest Road, Lynchburg, VA 24501

- (ii) *Identification of the facility, the activity, or the basic component supplied for such facility or such activity within the United States which fails to comply or contains a defect.*

Susquehanna Steam Electric Station, Units 1 and 2, potentially may contain ATRIUM-10 fuel assemblies with damaged spacer side plates.

- (iii) *Identification of the firm constructing the facility or supplying the basic component which fails to comply or contains a defect.*

AREVA NP Inc. (AREVA NP) supplied the ATRIUM-10 fuel assemblies to the Susquehanna units. The spacer side plates were damaged during recent re-channeling campaigns at the reactor site.

- (iv) *Nature of the defect or failure to comply and the safety hazard which is created or could be created by such a defect or failure to comply.*

The damaged (missing) spacer side plates could impact the critical power performance of the fuel assemblies and the local power peaking distribution within the fuel assembly.

- (v) *The date on which the information of such a defect or failure to comply was obtained.*

This issue was determined to be a deviation on December 27, 2007.

- (vi) *In the case of a basic component which fails to comply, the number and the location of all such components in use at, supplied for, or being supplied for one or more facilities or activities subject to the regulations in this part.*

The known defect has occurred at Susquehanna Unit 1. Based on the number of spacer pieces found, four (4) fuel assemblies could be damaged.

- (vii) *The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for this action; and the length of time that has been or will be taken to complete the action.*

AREVA NP recommended and PPL implemented Operating Limit penalties for the potentially damaged fuel assemblies to protect the M CPR Safety Limit and LHGR SAFDL.

- (viii) *Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.*

See (vii) above.