



**FEDERAL EXPRESS**

SEM-09-006  
July 1, 2009

U.S. Nuclear Regulatory Commission  
Director, Spent Fuel Project Office  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Attention: Pierre Saverot, Project Manager  
Licensing Branch

Subject: Request for Amendment of Certificate of Compliance No. 71-9319 for the Model No.  
MAP-12 and MAP-13 Packages, Docket No. 71-9319, TAC No. L24348

Dear Mr. Saverot,

- Ref. 1: Letter, S.E. Miller (AREVA NP Inc.) to Director, Spent Fuel Project Office (NRC), "Request for Amendment of Certificate of Compliance No. 71-9319 for the Model No. MAP-12 and MAP-13 Packages," June 8, 2009, SEM-09-003.
- Ref. 2: Letter, S.E. Miller (AREVA NP Inc.) to Director, Spent Fuel Project Office (NRC), "Request for Amendment of Certificate of Compliance No. 71-9319 for the Model No. MAP-12 and MAP-13 Packages," June 18, 2009, SEM-09-004.
- Ref. 3: Letter, Pierre Saverot (NRC) to S.E. Miller (AREVA NP Inc.), "Request for Amendment of Certificate of Compliance No. 71-9319 for the Model Nos. MAP-12 and MAP-13 Packages," June 29, 2009.

AREVA NP Inc. formally requested an amendment to the Certificate of Compliance No. 71-9319 for the Model No. MAP-12 and MAP-13 packages in References 1 and 2. The NRC provided a Request for Additional Information (RAI) regarding the amendments in Reference 3. The complete set of responses to the RAI are enclosed with this letter.

An expedited review of this amendment by the NRC is requested to support future shipments of fresh fuel from the Mount Athos Road Fuel Fabrication Facility in Lynchburg, Va. to Crystal River 3 beginning on July 20, 2009 and shipments to Millstone 2 beginning on August 10, 2009. AREVA appreciates the continued discussions and thorough review given to the Safety Analysis Report.

Included within this submittal are three (3) paper copies of the RAI responses (Attachment A) and three (3) paper copies of fabrication drawing 50499-211-S (Attachment B).

**AREVA NP INC.**  
An AREVA and Siemens company

NM5501

If you or your staff have any questions, require additional information, or wish to discuss the matter further, please contact me at 434-832-5205. Please reference the unique document identification number in any correspondence concerning this letter.

Sincerely,



S. E. Miller  
Manager, Environmental, Health Safety, and Licensing

cc: Document Control Desk  
Spent Fuel Project Office  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

## **Attachment A**

Paper Copy  
MAP-12/MAP-13 Package  
Response to RAI

Request for Additional Information  
AREVA NP, Inc.  
Docket No. 71-9319  
Certificate of Compliance No. 9319 B(U) F-96  
Model Nos. MAP-12 and MAP-13 Packages

By letter dated June 8, 2009, supplemented June 18, 2009, AREVA NP, Inc. submitted an application for an amendment to Certificate of Compliance No. 9319 B(U) F-96 for the Model Nos. MAP-12 and MAP-13 packages.

This request for additional information (RAI) identifies information needed by the U.S. Nuclear Regulatory Commission (NRC) staff to complete its review of the application and to determine whether the applicant has demonstrated compliance with the regulatory requirements.

1. Detail the exact location(s), via drawing, of where the throat size fillet weld(s) is and the total number of these welds.

Attachment C to SAR Rev. 5, (SEM-09-004 dated 06/18/2009), appropriately calculates the throat size fillet weld required for a substitution of a ½ - 13 ASTM 574 zinc plated bolt. This document states that the welds will be holding the axial restraint blocks.

This information is needed in order to determine compliance with 10CFR71.43.

**Response:**

***Fabrication drawing 50499-211-S (see Attachment B) identifies all axial restraint blocks and the throat size fillet welds. This drawing is being provided in lieu of a licensing drawing to better identify the welds and locations.***

2. Revise licensing drawings 9045401 Rev. 2, 9045402 Rev. 2, 9045403 Rev. 2, 9045404 Rev. 2, and 9045405 Rev. 2 submitted in SAR Rev. 5, (SEM-09-004 dated 06/18/2009), to include weld stitch length and stitch frequency, or justify why this information is not needed.

This information is needed in order to determine compliance with 10CFR71.43.

**Response:**

***Drawing 9045401 has welds that already have length and pitch called out where applicable. Other welds without length and pitch called out are properly called out as continuous welds.***

***Drawing 9045402 has welds that are all properly called out as continuous welds. Welds with multiple leaders are continuous welds along the indicated interfaces only.***

***Drawing 9045403 (Page 1 of 2)***

- ***"DETAIL CR" has a weld that is properly called out with length and pitch.***
- ***"DETAIL CW" has a weld that is properly called out as a continuous weld at interfaces indicated.***

- **"DETAIL CM" has welds that are all properly called out as continuous welds at interfaces indicated.**
- **"SECTION CN-CN" has welds that are all properly called out as continuous welds at interfaces indicated for item 12.**
- **"DETAIL CP" has a weld that is properly called out as all around.**
- **"DETAIL CU" has a weld with the prep called out properly and is continuous for the length of the slot.**

**Drawing 9045403 (Page 2 of 2) has welds that already have length and pitch called out where applicable. Other welds without length and pitch called out are continuous welds.**

**Drawing 9045404 has welds that are all properly called out as continuous welds at interfaces indicated.**

**Drawing 9045405 has welds that are all properly called out as continuous welds at interfaces indicated.**

3. Describe how the specific weld size will be verified after the weld grind has been performed. (i.e. DWG 9045405 Rev. 2 TOP VIEW LID ASSEMBLY).

This information is needed in order to determine compliance with 10CFR71.43.

**Response:**

**Initially the weld symbol had the flush call out and a grind symbol to ensure that the weld did not interfere when the lid slid onto the body. The grind symbol has been removed leaving the flush requirement (and hence the same size weld). This eliminates the necessity to use only grinding. The flush symbol permits it to be flush as welded, ground or machined. It does not limit the operation to welding only. The strength of the weld is unaffected. The weld is there for assembly purposes only since the strength of the interlocking angles comes from the angles and the welds that connect them to the end plates. The weld in question which connects the perpendicular angles together only ensures that as the lid is installed the lid will fit smoothly on the body. All welds are visually inspected on the final pass per Note 2 of Drawing 9045393.**

## **Attachment B**

Paper Copy  
MAP-12/MAP-13 Package  
Fabrication Drawing 50499-211-S

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50499-211-S 6 3

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D

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C

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*Figure Withheld Under 10 CFR 2.390*

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