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

**Notification of an Evaluation of a Deviation Pursuant to 10 CFR 21.21(a)(2)**

AREVA NP Inc. (AREVA NP) identified an issue related to ASME Class 2/3 piping analyzed with SuperPipe for Code editions from the summer 1979 Addenda forward. An ASME Code reconciliation was being performed in order to use the 1983 edition of the Code in SuperPipe to perform analysis to the 2003 Addenda of the Code. It was noted during this effort that the 1983 Code requires a different section modulus calculation for tees versus other branch connections such as weldolets while the 2003 Addenda requires the same section modulus calculation. In determining the procedure that would need to be followed to reconcile the ASME Codes, it was determined that SuperPipe was using the correct section modulus for tee type branches, but was incorrectly using the same equation for the other branch connection calculations.

AREVA NP identified a total of 112 calculations that were performed using SuperPipe. It was determined however, that none of these calculations were impacted by this issue.

A software error notice was distributed to customers who purchased the software from AREVA NP informing them of the issue. AREVA NP does not have sufficient information to determine whether this issue represents a deviation or a defect for analyses performed by the software customers. AREVA NP recommended that they evaluate this issue in accordance with 10 CFR 21.

During customer notification of this issue, it was determined that the company with whom AREVA NP originally purchased the software, the former DE&S Inc., purchased the software from Impell Corp., and Impell has gone out of business. Therefore, AREVA NP has been unable to provide notification to Impell for their evaluation of this issue in accordance with 10 CFR 21.

Sincerely,

A handwritten signature in cursive script that reads "Ronnie L. Gardner".

Ronnie L. Gardner, Manager  
Site Operations and Regulatory Affairs  
AREVA NP Inc.

cc: H. D. Cruz  
Project 728

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

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