



CONVERSATION RECORD

05/04/2017

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU Don Shaw (TN), Ray Wharton (NRC)		DATE OF CONTACT 04/18/2017	TYPE OF CONVERSATION <input type="checkbox"/> E-MAIL <input type="checkbox"/> TELEPHONE <input type="checkbox"/> INCOMING <input checked="" type="checkbox"/> OUTGOING
E-MAIL ADDRESS don.shaw@areva.com	TELEPHONE NUMBER (410) 910-6878		

ORGANIZATION AREVA (TN)	DOCKET NUMBER(S) 07201004
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LICENSE NUMBER(S)	CONTROL NUMBER(S)
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**SUBJECT**  
Call with TN concerning results of Thermal Review LR No. 721004-1586 in response to NOV (ML17009A122) for the 32PTH1 Type 2-W DSC.

**SUMMARY**

The purpose of the telecom was to provide AREVA TN (TN) with the results of the NRC in-office review of their response to 72.48 LR No. 721004-1586 submitted in response to NOV (ML17009A122) concerning a change that adds a modified Type 2 basket design within a 32PTH1 DSC, specifically, a 32PTH1 Type 2-W basket. The results of TNs 72.48 evaluation (LR 721004-1586) for the thermal performance of a new 32PTH1 Type 2-W basket concluded a 3°F and 5°F margin for the fuel cladding under storage conditions and transfer conditions, respectively, based on a peak cladding temperature limit of 752°F. The 72.48 evaluation described several conservatisms used in the analysis as a means to claim adequate margin.

Informed Mr. Shaw that the NRC technical staff has reviewed the 72.48 and did not find quantifiable conservatisms, modeling and application uncertainties, errors or a solution verification. As a result, the staff is seeking to gain a better understanding and is requesting clarification by TN to quantify how conservatisms, uncertainties, and errors accounted for in the thermal model affect the thermal analysis in a way that demonstrates the storage cask provides adequate heat removal capacity and gives assurance that the predicted peak cladding temperature (PCT) will not exceed the recommended 752°F limit.

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**ACTION REQUIRED (IF ANY)**

TN to provided additional clarification per the staff's request.

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NAME OF PERSON DOCUMENTING CONVERSATION Earl Love
SIGNATURE 