



CONVERSATION RECORD

7/12/2017

|  |  |                                    |   |
|--|--|------------------------------------|---|
| NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU<br>Chad E. Thompson, et al. |  | DATE OF CONTACT<br>07/06/2017      | TYPE OF CONVERSATION<br><input type="checkbox"/> E-MAIL<br><input checked="" type="checkbox"/> TELEPHONE<br><input type="checkbox"/> INCOMING<br><input checked="" type="checkbox"/> OUTGOING |
| E-MAIL ADDRESS<br>Chad.Thompson@nnsa.doe.gov                                   |  | TELEPHONE NUMBER<br>(505) 845-4114 |   |

|  |                              |
|--|------------------------------|
| ORGANIZATION<br>National Nuclear Security Administration | DOCKET NUMBER(S)<br>07109370 |
|--|------------------------------|

|                         |                         |
|-------------------------|-------------------------|
| LICENSE NUMBER(S)<br>NA | CONTROL NUMBER(S)<br>NA |
|-------------------------|-------------------------|

SUBJECT  
7/6/2014, 11:30AM CONFERENCE CALL TO DISCUSS CLARIFICATION QUESTION TO REQUESTS FOR ADDITIONAL INFORMATION FOR THE MATERIALS EVALUATION REGARDING MODEL NUMBER 380-B (CAC NO. L25109)

SUMMARY  
Attendees:

|  |  |   |
|--|--|---|
| NRC<br>Darrell Dunn<br>Norma Garcia Santos | NNSA<br>Chad Thompson<br>Temeka Taplin<br>Bill Stewart | AREVA<br>Phil Noss<br>Tom Criddle<br>Gannon Johnson |
|--|--|---|

PNNL  
Harold E. Adkins

LANL  
Mark Wald-Hopkins  
Cristy Lynn Abeyta  
David McCollum

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ACTION REQUIRED (IF ANY)  
See Summary.

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NAME OF PERSON DOCUMENTING CONVERSATION  
*Norma Garcia Santos, Darrell Dunn, and Chad Thompson*

SIGNATURE  
*Norma Garcia Santos*

## CONVERSATION RECORD (continued)

SUMMARY: (Continued from page 1)

On July 6, 2017, NRC, NNSA, LANL, PNNL, and AREVA Federal Services LLC participated on a phone call to discuss questions related to the first round of requests for additional information (RAIs) No. RAI M-4, RAI M-5, RAI M-6, RAI M-13, and RAI M-16 submitted in June 2017. The following items summarize the discussion during the July 6 telephone call:

### RAI M-4

The applicant added a paragraph in Section 1.2.2 of the application indicating that the contents placed in the package will be dry with exception of the moisture present in the wood used as dunnage. The staff asked the applicant to revise Section 7 of the application to ensure that contents loaded to the package are dry (as assumed in Section 1 of the application). The applicant agreed to revise Section 7 of the application by adding a requirement to verify that the sources (payload) as well as the packaging cavity are dry prior to loading. The staff asked the applicant to provide revisions to the application to supplement this response.

### RAI M-5

The applicant removed the term "forging" from the description of items in the drawings. The staff asked the applicant to revise the application to ensure that the term "forging" (as applicable to the components described in the drawings) is removed from the application, as applicable. For graphics related to code runs including the word "forging," the applicant can add a clarification note to ensure that terms are used consistently through the application or can re-run the code, if appropriate. Examples in which the term "forging" that refers to either the upper or base forging or "forgings" that refers to both the upper and base forgings appear in Revision 1 of the application are the following:

1. Section 2.7.1.2, page 2.7-8
2. Section 2.12.4.4.7, page 2.12.4-12
3. Figure 2.12.4-40, page 2.12.4-42
4. Figure 2.12.4-44, page 2.12.4-44
5. Figure 2.12.4-44a, page 2.12.4-45
6. Figure 2.12.4-44b, page 2.12.4-45
7. Figure 2.12.4-66, page 2.12.4-57
8. Table 5.3-1, page 5.3-3

The staff asked the applicant to provide revisions to the application to supplement this response.

### RAI M-6

The staff noted that the material specifications for ASTM A479 and ASTM A276 are probably close, but the staff does not have the authority to accept substituting the properties of a material that appears in the American Society of Mechanical Engineers ASME Boiler and Pressure Vessel (B&PV) Code for another that does not appear on the ASME B&PV Code. The staff asked the applicant to provide the proper justification for the material properties at elevated temperatures of the material that does not appear in the ASME Code (i.e., ASTM A276). Instead of referencing the ASME B&PV code for ASTM A276, the staff mentioned that the applicant may use reference not related to the ASME B&PV Code to justify and compare the mechanical properties of ASTM A276. The staff asked the applicant to provide justification of mechanical properties at elevated temperatures for ASTM A276 and revisions to the application to supplement this response.

### RAI M-13

The staff asked the applicant to provide a complete response to the application including explaining the changes in the application to address this question.

### RAI M-16

Since the applicant changed its approach and will use gamma scanning to assess the adequacy of the lead shielding, the staff asked the applicant to provide the information identified in NUREG\CR-3854, Section 3.2.1, "Acceptance Testing for the Gamma Shield." The applicant indicated that they do not know the type of equipment they will be using or some of the information mentioned in the NUREG's criteria. The staff asked the applicant to follow the criteria in Section 3.2.1 of the NUREG and provide the information to supplement this response. The staff pointed out that it is asking for this information due to the change in approach to assess the adequacy of the gamma shield, the applicant should respond in the best of its ability and the staff will review the information submitted by the applicant. The staff also asked the applicant to revise the application in order to incorporate this response into the acceptance tests section of the application. The response to this RAI and revisions to the application would be considered a supplement to this RAI response.