

From: [Thompson, Chad E](#)
To: [Garcia Santos, Norma](#)
Cc: [Thompson, Chad E](#); [Mumma, James](#)
Subject: [External_Sender] FW: Request for Information: Materials Evaluation
Date: Thursday, July 25, 2019 1:27:04 PM
Attachments: [Discussion of 435-B Second Set Questions_070819.docx](#)
Importance: High

Good Morning Norma,

I have had a number of conversations with the applicant to make sure we are moving ahead in the right direction and at the right pace.

The applicant's proposed responses to your three additional RAIs for the 435-B SAR, Rev 5, are attached for your consideration.

I'd like to respectfully request concurrence from you and your team member on the attached responses by the end of this week.

I would like to know if they're on target for resolution before they roll them into their final RAI response submittal. If a call is warranted for clarification, please let me know at your earliest convenience.

Thank you for the continued support.

SEMPER FI,

CHAD E. THOMPSON
NATIONAL NUCLEAR SECURITY ADMINISTRATION
OFFICE OF PACKAGING AND TRANSPORTATION, NA-531
CHAD.THOMPSON@NNSA.DOE.GOV
(505) 845-4114

"The price of freedom is eternal vigilance."

Thomas Jefferson



From: Wald-Hopkins, Mark David [mailto:mwaldhop@lanl.gov]
Sent: Monday, July 08, 2019 4:27 PM
To: Thompson, Chad E <chad.thompson@nnsa.doe.gov>
Cc: Mumma, James <james.mumma@nnsa.doe.gov>; Schwendenman, Kathy <kathy.schwendenman@nnsa.doe.gov>; Chavez, David Michael <d_chavez@lanl.gov>; Thorp, Donald Thomas <dtthorp@lanl.gov>; Taplin, Temeka <temeka.taplin@nnsa.doe.gov>; Coel-Roback, Rebecca J <becky_cr@lanl.gov>; Zarling, John (CONTR) <john.zarling@nnsa.doe.gov>; Durham,

Stacey M. <stacey.durham@nnsa.doe.gov>; Gordon, William <william.gordon@nnsa.doe.gov>

Subject: [EXTERNAL] RE: Request for Information: Materials Evaluation

Chad,

While the approach to responding to the NRC's emailed "additional RAI's" is changing, I wanted to follow up on our correspondence from last Wed. on the revised "discussion of second set of questions" document. We had additional input from NA-212 on the document and it was revised accordingly (see attached). Please review at your convenience and let us know if you'd like to discuss further.

Thanks again.

Mark

From: Thompson, Chad E <chad.thompson@nnsa.doe.gov>

Sent: Monday, July 8, 2019 2:12 PM

To: Wald-Hopkins, Mark David <mwaldhop@lanl.gov>

Cc: Mumma, James <james.mumma@nnsa.doe.gov>; Schwendenman, Kathy <kathy.schwendenman@nnsa.doe.gov>; Chavez, David Michael <d_chavez@lanl.gov>; Thorp, Donald Thomas <dtthorp@lanl.gov>; Taplin, Temeka <temeka.taplin@nnsa.doe.gov>; Coel-Roback, Becky <becky_cr@lanl.gov>; Zarling, John (CONTR) <john.zarling@nnsa.doe.gov>; Durham, Stacey M. <stacey.durham@nnsa.doe.gov>; Gordon, William <william.gordon@nnsa.doe.gov>

Subject: RE: Request for Information: Materials Evaluation

Good Afternoon Mark,

After talking with Norma last week and establishing agreement of timely renewal, she is honoring my request to provide a NRC letter of timely renewal to the NNSA. This will also be used to renew the DOT CAC.

The three additional (albeit last minute) RAIs will formally be formally responded to in your responses to the NRC. They have to be formalized beyond the scope of email correspondence, so this is how I have chosen to do so. We should also be sure to add the details associated with the date of receipt of the three additional RAIs and the time delay introduced by addressing the 11th hour submittal.

If you have any further questions, you know where to find me. Have a great afternoon.

SEMPER FI,

CHAD E. THOMPSON
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Thomas Jefferson



From: Wald-Hopkins, Mark David [<mailto:mwaldhop@lanl.gov>]
Sent: Wednesday, July 03, 2019 9:13 AM
To: Thompson, Chad E <chad.thompson@nnsa.doe.gov>
Cc: Mumma, James <james.mumma@nnsa.doe.gov>; Schwendenman, Kathy <kathy.schwendenman@nnsa.doe.gov>; Chavez, David Michael <d_chavez@lanl.gov>; Thorp, Donald Thomas <dtthorp@lanl.gov>; Taplin, Temeka <temeka.taplin@nnsa.doe.gov>; Coel-Roback, Rebecca J <becky_cr@lanl.gov>; Zarling, John (CONTR) <john.zarling@nnsa.doe.gov>; Durham, Stacey M. <stacey.durham@nnsa.doe.gov>; Gordon, William <william.gordon@nnsa.doe.gov>
Subject: [EXTERNAL] RE: Request for Information: Materials Evaluation

Good morning Chad.

See the attached "discussion" of NRC's questions posed below. Can you please review this and forward on to the NRC if deemed acceptable. If possible, we would like to address these questions through email correspondence rather than introducing them into the formal RAI response.

As always, we are open to a follow up conference call if necessary.

Thanks.

Mark

From: Thompson, Chad E <chad.thompson@nnsa.doe.gov>
Sent: Friday, June 21, 2019 2:45 PM
To: Chavez, David Michael <d_chavez@lanl.gov>; Wald-Hopkins, Mark David <mwaldhop@lanl.gov>; NOSS Philip (ORANO) <phil.noss@orano.group>; CRIDDLE Tom (ORANO) <tom.criddle@orano.group>
Cc: Thompson, Chad E <chad.thompson@nnsa.doe.gov>; Mumma, James <james.mumma@nnsa.doe.gov>; Schwendenman, Kathy <kathy.schwendenman@nnsa.doe.gov>
Subject: FW: Request for Information: Materials Evaluation
Importance: High

Good Afternoon Gentlemen,

After recent discussions with the NRC regarding the resolution of Revision 5 RAIs, it looks like there are three addition RAIs the NRC would like for us to roll into our response to the existing RAIs. All

three additional RAIs are focused on weld and NDE specifications.

The three additional RAIs are noted below.

1. Provide material, weld and NDE specifications for both the IBL 437 Type 1 and Type 2, Figures 2.7-10 through 2.7-13 of the SAR, payload canisters and source baskets including welding details/symbols.

The Model 435-B transport package SAR, Revision 5, does not provide drawings and/or figures with material and weld specification for the IBL 437 Type 1 and 2. Information similar to Figures 1.2-19 through 1.2-21 and Figures 2.7-3 and 2.7-9 of the SAR with added welding/NDE details is required. The application shall include a description of the proposed package components in sufficient detail to identify the package accurately and provide a sufficient basis for evaluation of the package.

This information is needed to determine compliance with 10 CFR 71.33.

2. Provide complete material/welding/NDE specifications including welding details/symbols for Figures 2.7-3 and 2.7-9 of the SAR, for canister, transport shield and source baskets.

Material specifications are required for the carbon steel shells and structural parts including the paint. Specifications are also required for the stainless steel (including type) for the internal sleeves, tubes or pipes. Welding/NDE specifications/requirements are required. The application shall include a description of the proposed package components in sufficient detail to identify the package accurately and provide a sufficient basis for evaluation of the package.

This information is needed to determine compliance with 10 CFR 71.33.

3. Provide welding/NDE specifications/requirements for Figures 1.2-19 through 1.2-21, including welding details/symbols.

Welding/NDE specifications/requirements are required. The application shall include a description of the proposed package components in sufficient detail to identify the package accurately and provide a sufficient basis for evaluation of the package.

This information is needed to determine compliance with 10 CFR 71.33.

Please contact me Monday 6/24 with any questions you may have.

SEMPER FI,

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Thomas Jefferson



From: Garcia Santos, Norma [<mailto:Norma.GarciaSantos@nrc.gov>]
Sent: Friday, June 21, 2019 2:13 PM
To: Thompson, Chad E <chad.thompson@nnsa.doe.gov>
Cc: Rahimi, Meraj <meraj.rahimi@nrc.gov>; Tarantino, David <David.Tarantino@nrc.gov>; McKirgan, John <John.McKirgan@nrc.gov>
Subject: [EXTERNAL] Request for Information: Materials Evaluation

Good afternoon Chad,

Here are the questions that I informed you about that the materials reviewer provided:

1. Provide material, weld and NDE specifications for both the IBL 437 Type 1 and Type 2, Figures 2.7-10 through 2.7-13 of the SAR, payload canisters and source baskets including welding details/symbols.

The Model 435-B transport package SAR, Revision 5, does not provide drawings and/or figures with material and weld specification for the IBL 437 Type 1 and 2. Information similar to Figures 1.2-19 through 1.2-21 and Figures 2.7-3 and 2.7-9 of the SAR with added welding/NDE details is required. The application shall include a description of the proposed package components in sufficient detail to identify the package accurately and provide a sufficient basis for evaluation of the package.

This information is needed to determine compliance with 10 CFR 71.33.

2. Provide complete material/welding/NDE specifications including welding details/symbols for Figures 2.7-3 and 2.7-9 of the SAR, for canister, transport shield and source baskets.

Material specifications are required for the carbon steel shells and structural parts including the paint. Specifications are also required for the stainless steel (including type) for the internal sleeves, tubes or pipes. Welding/NDE specifications/requirements are required. The application shall include a description of the proposed package components in sufficient detail to identify the package accurately and provide a sufficient basis for evaluation of the package.

This information is needed to determine compliance with 10 CFR 71.33.

3. Provide welding/NDE specifications/requirements for Figures 1.2-19 through 1.2-21, including welding details/symbols.

Welding/NDE specifications/requirements are required. The application shall include a description of the proposed package components in sufficient detail to identify the package accurately and provide a sufficient basis for evaluation of the package.

This information is needed to determine compliance with 10 CFR 71.33.

Please let me know if you have questions about this request.

Thanks,

Norma Garcia Santos

Division of Spent Fuel Management
Office of Nuclear Material
Safety and Safeguards
U.S. Nuclear Regulatory Commission

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Email: Norma.Garcia-Santos@nrc.gov

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