

From: [Burns, Scott - NWP - NTP](#)
To: [Garcia Santos, Norma](#); [Porter, Steve - NWP](#); [Sellmer, Todd - NWP](#)
Cc: [Allen, William](#); [White, Bernie](#); [Smith, DaBrisha - CBFO](#)
Subject: [External_Sender] RE: TRUPACT-II and HalfPACT-QUERY: Shielded Container Lid and Bases Lead Question
Date: Monday, March 14, 2022 1:21:42 PM

Norma,

I hope your day is going well. Please see the below response to the question provided this morning.

Unlike the cast lead in the container sidewall where visual examination of shielding efficacy is impossible, installation of the lead plates and rings in the container's base and lid allow for visual examination to verify that gaps are filled. As stated, the lead plates/rings are either press-fit into place or lead wool is installed (i.e., "pounded") into radial gaps to eliminate such gaps, should they be present. Visual examination is performed to verify that radial gaps are either not present or have been properly filled prior to installation of the associated cover plates.

Please let me know if you need anything else.

Thanks,
Scott

Scott Burns

Packaging Engineer

Cell: (575) 706-7920

Office: (575) 234-7091

Nuclear Waste Partnership LLC | Contractor for the U.S. Department of Energy
4021 National Parks Highway | PO Box 2078 | Mail Stop GSA-211
Carlsbad NM 88220

From: Garcia Santos, Norma <Norma.GarciaSantos@nrc.gov>
Sent: Monday, March 14, 2022 3:33 AM
To: Porter, Steve - NWP <steve.porter@wipp.ws>; Sellmer, Todd - NWP <Todd.Sellmer@wipp.ws>; Burns, Scott - NWP - NTP <Scott.Burns@wipp.ws>
Cc: Allen, William <William.Allen@nrc.gov>; White, Bernie <Bernard.White@nrc.gov>
Subject: TRUPACT-II and HalfPACT-QUERY: Shielded Container Lid and Bases Lead Question

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for information.

Good morning,

The staff has an additional question related to testing the top and the bottom lids (see the question below). Please email me your response. I will provide it to the staff and add it to the docket. If necessary, I can schedule a meeting.

Thanks and have a nice rest of the day,
Norma

From: Allen, William <William.Allen@nrc.gov>

Sent: Friday, March 11, 2022 2:12 PM

To: Garcia Santos, Norma <Norma.GarciaSantos@nrc.gov>

Cc: Díaz Maldonado, Marilyn <marilyn.diazmaldonado@nrc.gov>; Thomlinson, Aaron <Aaron.Thomlinson@nrc.gov>

Subject: Shielded Container Lid and Bases Lead Question

Norma,

Below is the question I'd like you to send to the applicant. Let me know if you have any questions.
Chris

The shielded container drawings identify that the lead in the lids and bases is "press-fit" with the option of using lead wool to establish a tight fit. Either explain how the absence of gaps, seams, etc. in the lead shielding of the shielded container lids and bases is confirmed, or provide justification for not performing a volumetric test for the lead shielding in the lid and base of the shielded container similar to that performed for the shielded container sidewall lead?

Let us cross the river and rest in the shade of the trees.

Thomas Jonathan Jackson