

From: [Philip Sewell](#)
To: [Devaser, Nishka](#)
Cc: [Andy Langston](#); [Tanya Sloma](#)
Subject: [External_Sender] Versa-Pac Amendment Meeting
Date: Thursday, August 15, 2019 3:34:30 PM
Attachments: [Daher-TLI.png](#)

Hey Nishka,

I just wanted to touch base with you to check on your availability for a meeting next month to discuss a couple of amendment requests for the Versa-Pac that we plan on submitting in the near future. If you can accommodate, we're hoping to have a meeting on one of 9/17, 9/18, or 9/19. If not we can figure out another time that could work for everyone.

To give you a little information on our plans, the two planned amendment requests are to support Centrus and X-energy with their pebble bed reactor project by adding TRISO fuel materials and 5A/B UF6 cylinders as allowable contents for the Versa-Pac.

1. For the first amendment we plan to submit around the end of next month and it will cover the TRISO fuel related materials (TRISO particles, fuel compacts, etc.). The amendment will be limited to one additional criticality analysis to increase the fissile limit for the 20wt% enrichment band by limiting the acceptable hydrogenous packing materials. We're seeking to have a CoC revision for this addition by June 2020.
2. For the second amendment we plan on submitting in the late spring 2020 timeframe and it will cover the 5A/B UF6 cylinder content (enrichment =20 wt%). This amendment will add a new package variant: the VP-55XL. The design will be nearly identical to the VP-55, but fabricated with a double height 55-gallon drum to increase the cavity height enough to fit a 5A/B cylinder. The amendment will include a significant SAR revision with a licensing drawing for the new package, additional drop testing, and supplemental structural, thermal, and criticality analyses. We're seeking to have a CoC revision for this addition by Spring 2021.

Let me know if the proposed dates could work for you and any reviewers that you would like to attend. Our plan at this point is to discuss both amendments, but only get into the technical content of the first (criticality only).

Thanks,
Phil



Philip Sewell
psewell@tliusa.com
Senior Engineer
Engineering Services

Main: 1 301 421 4324 x127
Direct: 1 301 421 4066
Mobile: 1 301 514 6567