

**From:** [SOUCY, SANDY J PW](#)  
**To:** [Ullrich, Elizabeth](#); [ALBERGHINI, DAVID J PW](#)  
**Cc:** [K. Paul Steinmeyer](#)  
**Subject:** RE: [External] items from today's discussion SMB-151  
**Date:** Friday, May 10, 2013 8:10:28 AM

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Betsy,

We are going forward with implementing an effort to identify materials which may exhibit radioactivity. We suspect that any materials found to exhibit radioactivity will do so as a result of the naturally occurring radioactive materials (NORM) or exempt material (e.g. thorium-tungsten welding electrodes) found in these products. It is anticipated that these products containing NORM are products we will most likely need to continue to utilize at the Middletown and East Hartford Facilities. Additionally, this effort will also encompass accounting for any remaining radioactive materials/sources under the general license of 10 CFR 40.22.

During our last phone meeting you mentioned that it was also acceptable to conduct a general micro R level survey of the remaining manufacturing buildings that were not previously surveyed. We intend to proceed with this plan as well and would appreciate confirmation from you that the micro R survey approach with additional more in depth surveys as necessitated by elevated micro R survey readings is an acceptable approach.

Please provide an indication to us as to whether the aforementioned actions and approach to completing the surveys is acceptable and with any additional guidance you would like to offer.

Sandy Soucy  
Site EH&S  
Phone - 860-565-5561  
FAX - 860-755-2662

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This email contains no technical data subject to the EAR or the ITAR

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**From:** Ullrich, Elizabeth [mailto:Elizabeth.Ullrich@nrc.gov]  
**Sent:** Monday, April 22, 2013 10:57 AM  
**To:** SOUCY, SANDY J PW; ALBERGHINI, DAVID J PW  
**Cc:** K. Paul Steinmeyer  
**Subject:** [External] items from today's discussion SMB-151

License No. SMB-151  
040-00791  
Mail Control Nos. 580065 and 580086

Sandy and Dave,

Thanks for setting up a call for today to discuss the SMB-151 amendment to remove Middleton (Mail Control 580086) and the notification to terminate the license (Mail Control

580065).

Status of the notification for termination of the license:

I have an acceptance letter in our mailout process for this notification. It apparently has not yet been mailed, and I will follow up to see where in the process it is. In the meantime, please review the license termination requirements in 10 CFR 40.42, especially 40.42(h) [schedule to complete decommissioning] and (j) [requirements for what to submit, units to be used in the report, etc] and (k) [records that need to be submitted upon termination]. The regulation in 40.42(k)(4) is particularly tricky, because it sends you to other regulations to figure out which records you have to submit upon termination of the license.

Status of the amendment to remove Middleton from the license:

Because the entire site is to be released, not just building 10, I had to go back to look at what had been used at the site in the past, and what we know about previous releases. Also, because release is to include radioactive materials from all sources, the review is to determine if you had/have radioactive materials other than those listed on the license.

Based on looking back at the early 1990's remediation done under the SDMP for activities formerly under LN 06-00550-03, I ask you to confirm

- If you used radioactive/source material under the general license of 10 CFR 40.22 in ceramic tile, zirconium oxide plasma spray powder, or grit-blasting media in buildings other than Building 450 (remediated in early 90's) or Building 10; if so, are you still using this material? If not, have you surveyed these facilities for radioactive/source material? If you are no longer using these materials, you will need to survey those facilities before we can release the Middleton site.
- If you used any radioactive materials/source material under the 10 CFR 40.13 "unimportant quantities of source material" exemptions in any of the remaining buildings at Middleton? If so, are you still using these items? Based on our discussion, you may still be using the thorium-tungsten welding rods and thorium-tungsten spray tips.

The above questions will also be applicable to the East Hartford location when you are ready to terminate the license.

If you have any question, feel free to get in touch with me.

Betsy

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