

From: [Ullrich, Elizabeth](#)
To: ["Hobson, Grace"](#)
Cc: [Courtemanche, Steven](#)
Subject: your response letter dated September 23, 2013
Date: Tuesday, October 29, 2013 8:04:00 AM

License No. 07-16199-01
Docket No. 030-10568
Control No. 581038

Dr. Hobson,

My apologies for the delayed review, but the furlough really slowed us down. Thank you for providing the new survey results.

There is one statement in the response to 1.a. that is not strictly correct, that measurement of total residual activity is not required. Actually, it is. The "30 samples" would include the total activity survey sample points, as well as the removable activity sample points (usually the same location). However, in using the Simplified Approach, you are agreeing that your facility meets the assumption that the removable fraction would not exceed 10% of the total amount. Given the very small results for your removable contamination, we can take this information into consideration. It could be supported also by your scan surveys, however, in order to have this additional support, I need a bit more information regarding the instrumentation used for the scan surveys:

- State the manufacturer and model of the instrumentation used for the survey, including the type of detector used.
- Provide the information about the calibration of the scan survey instrumentation, including the efficiency for the radionuclides of interest, calibration date, and any operational checks performed the day(s) of use for your surveys
- Provide the calculation of the minimum detectable sensitivity of the scan survey instrumentation for the radionuclides of interest at your facility.

If I recall correctly, you had a consultant perform these surveys, The consultant should be able to provide this information to you. Please remember that this information needs to be provided in a signed response, either by hard copy to our mailing address, or you may attach a pdf of the signed copy to an email.

If you have any questions, please feel free to contact me. I am working remotely today, so email will reach me, or a call to my NRC cell 484-919-8348.

Thanks,
Betsy
Betsy Ullrich
Senior Health Physicist, RI/DNMS
USNRC
(610) 337-5040 (office)
elizabeth.ullrich@nrc.gov

