Walt, Geralyn

From: Stinson, Narvaez (CDC/OD/OADLSS) <nks5@cdc.gov>
Sent: Tuesday, April 19, 2016 9:43 AM
To: Lawyer, Dennis
Cc: Simpson, Paul D. (CDC/OD/OADLSS); Marsh, Harry A. (CDC/OCOO/OSSAM)
Subject: [External_Sender] U.S. Department of Health & Human Services, Request for Additional Information Concerning Application for a License Amendment, Control 588982
Attachments: CDC Decommissioning Plan Rev 6 4-11-2016.pdf; Decommissioning Plan RAW Room 1 Cover Page_signed.pdf; CDC RFI Licence Amendment Application Control No 588982.pdf

Good morning Mr. Lawyer,

Please find attached the CDC Decommissioning Plan Rev6 dated 11 April 2016. We have addressed each of the RFI's that you submitted to us within this revision, and therefore, submit for your review.

In response to questions in your email dated, 12 April 2016, you will find the responses on the respective page(s):

1. Item 2 in your April 8, 2016 letter, in response to item 2 of my electronic mail dated January 13, 2016, discussed the calculation for alpha scans. The question stated to confirm that you will only do alpha scans with the 821cm2 probe. Please confirm that you will only do alpha scans with the 821 cm2 probe or present the calculation and parameters for using a smaller probe.
Response on Page 34 of 68.

2. In your response to item 2, you gave the parameters of the alpha scan. The 4 pi detector efficiency given in the response is 20%. However, this does not appear to have taken into account the 0.25 surface efficiency for alpha recommended by MARRSIM. Total efficiency of the 821 cm2 detector was expressed in your table 8-1 as typical total efficiency of 10% which took into account the 0.25 surface efficiency. Please review this information and determine the scan rates that will be used to obtain the 95% probability for P(n>2). Please present the calculation.
Calculations provided on Page 35 of 68.

3. In your response to item 3, please provide an updated Table 8-2.
Table 8-2 updated and illustrated on Page 37 0f 68.

4. In the response to item 4, it appears the surface efficiency should be 50%. With the correction of my error in instrument efficiency and using surface efficiency of 50%, I confirm the MDC rate is correct as published in Table 8-2. No response is needed for this item.

Please let me know if you require additional information regarding the review of our Decommissioning Plan.

Respectfully,
Narvaez

Narvaez L. Stinson, MHS, CEM
Health Physicist
Radiological Emergency Response Coordinator

Office of the Associate Director for Laboratory
Science and Safety
Centers for Disease Control and Prevention
1600 Clifton Road, Atlanta, GA 30329
Mailstop F05
Office: NStinson@cdc.gov
Personal: NLStinson1906@gmail.com
Office: 404-639-2486
Cell: 404-664-7100