

Lawyer, Dennis

From: Lawyer, Dennis
Sent: Wednesday, January 13, 2016 3:53 PM
To: Simpson, Paul D. (CDC/OCOO/OSSAM) (pds1@cdc.gov)
Subject: U.S. Department of Health & Human Services, Request for Additional Information Concerning Application for a License Amendment, Control 588982

Mr. Simpson,

This is in reference to your letter dated September 24, 2015, requesting for amendment to Nuclear Regulatory Commission License No. 10-06772-01, Docket No. 03004001. We also have reviewed your response dated December 14, 2015. In order to continue our review, we need the following additional information:

1. Table 4-1 and Table 4-2 have the same title. Please confirm that Table 4-2 is the RAW Room #1 Ceiling and Upper Walls.
2. For alpha scanning some clarity is needed. Please confirm that you will only do alpha scans with the 821 cm² probe. An example calculation was not provided for these scans. Based on my calculation, a probability of 80% is achievable for $P(n \geq 2)$ not the 95% probability stated. ($G = 75$ dpm* 8.25, $E = 0.1$, $B = 9.5$ cpm, $d = 15.9$ cm, $v = 6.35$ cm/s) Please inform me if my understanding is incorrect and what other adjustment I should make, or provide an example calculation.
3. Table 8-2 contains detector 43-89 while Table 8-1 contains detector 43-93. Please have Table 8-1 and 8-2 contain the same instrumentation that will be used.
4. The MDC value to the Large Area Probe Beta Detector 43-37-1 appears to be inaccurate. Please recalculate this value or provide calculation.
5. Section 17.3.1 and 17.3.2 presents Class 1 and Class 2 areas. These areas are presented in graphical form in the response to previous question number 7. However, in the plan the ceiling of RAW Room #1 is determined to be Class 1 but in the schematic it is Class 2. Section 17.3.2 presents the loading dock, parking pad, and walkup ramp as Class 2, the schematic presents it as Class 3. Please clarify the area classifications for these two areas.

Please reply to my attention at the Region 1 Office (Address below) and refer to Mail Control No. 588982. If you have technical questions regarding this letter, please call me at (610) 337-5366.

Please note that you may not reply to this letter by return e-mail. Your reply must be in writing by letter, facsimile (610-337-5269), or signed letter attached to an email. If we do not receive a reply from you within 30 calendar days from the date of this e-mail, we will assume that you do not wish to pursue your application.

Region 1 Office Mailing Address: Licensing Assistance Team, US Nuclear Regulatory Commission Region I, 2100 Renaissance Boulevard, Suite 100, King of Prussia, PA 19406-2713.

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