

**From:** [Lawyer, Dennis](#)  
**To:** [Firsick, Michael](#)  
**Subject:** State of Connecticut, Request for Additional Information Concerning Application for a License Amendment, Control 594730, License No. 06-27895-02, Docket No. 03037785  
**Date:** Tuesday, June 13, 2017 8:23:00 AM

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Dear Mr. Firsick,

This is in reference to Mr. Semancik's letter dated May 3, 2017, requesting for amendment to Nuclear Regulatory Commission License No. 06-27895-02, Docket No. 03037785. In order to continue our review, we need the following additional information:

1. On page 1 of your request, you state that the New England Air Museum now has less than 100 of Radium items such that it can now be regulated under 10 CFR 31.12. Please provide the documentation of the material that has been transferred.
2. On page 5 of your request, you state there was a Strontium 90 source discovered in a helicopter. Please provide documentation that the source has been removed and transferred to an authorized recipient.
3. Starting on page 132 of your request, you provided information about the soil sampling. You describe the gauge building as surrounded by asphalt and concrete but there is 18 square feet of area that has soil. The location of the soil and the size of the area open areas are difficult to review from what has been submitted. Please draw a schematic of the building, showing dimensions of how far out that there is asphalt and concrete from the building, and highlighting the open dimension of areas that contain soil and where the soil samples were taken. A couple of pictures of around the gauge building would be helpful.
4. On Page 72 you describe the gauge building and on page 132 you describe the surrounding area. The inside of the gauge building was determined to be a class one zone and some soil samples around the facility were above the screening value for Ra-226. It appears that the concrete and asphalt areas surrounding the gauge building were not surveyed. Please describe surveys in this area is not needed or perform surveys in this area to determine that the surface area is releasable.
5. On Page 156, you provide your DandD calculation for the radioactivity in the soil at the gauge building. Please provide some additional justification for the following inputs of the calculation:
  - a. You used Ra-226 instead of Ra-226 + C. Please describe why the daughters of Ra-226 were not considered in the calculation for the initial dose as it appears the contamination occurred over a number of years.
  - b. Your initial activity input was 40 pCi/gm instead of the stated value of 4 pCi/gm. Describe why 40 pCi/gm was used instead of 4 pCi/gm?
  - c. You used 10 square meters for the size of the contamination. Your description states that this is only 18 square feet or about 2 square meters. Please state why you used a value of 10 square meters.

6. It appears that the museum has aircraft displays outside of the museum buildings. No surveys were submitted for this region. Please discuss why there no surveys were presented for these outside display area.

We will continue our review upon receipt of this information. Please reply to my attention at the Region 1 Office (Address below) and refer to Mail Control No. 594730. If you have technical questions regarding this letter, please call me at (610) 337-5366.

Your reply must be an originally signed and dated letter. The letter may be scanned and submitted as a pdf document attached to an email; or it may be transmitted by facsimile to (610) 337-5269; or it may be sent by regular mail. 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 OR amendment request.

Please respond by e-mail to acknowledge that you have received the e-mail request for additional information.

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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