

From: Lawyer, Dennis
Sent: Thursday, July 28, 2011 3:00 PM
To: 'maxwell.amurao@gunet.georgetown.edu'
Cc: Ullrich, Elizabeth
Subject: FW: Medstar Georgetown Medical Center, Inc., , Request for Additional Information Concerning Application for a License Amendment, Control 575679

Dear Dr. Amurao,

This is in reference to your application dated July 26, 2011, requesting for amendment to Nuclear Regulatory Commission License No. 08-30577-01. In order to continue our review, we need the following additional information:

- 1) 10 CFR 20.1402 gives the radiological criteria for unrestricted release. One part of the criteria is that the levels have been reduced to levels that are as low as reasonably achievable (ALARA). What activities have been completed to attempt decontamination of the area exhibiting radioactive contamination listed in Table 4 or the "Final Status Survey Report" dated July 19, 2011 to demonstrate ALARA?
- 2) In the "Final Status Survey Report" dated July 19, 2011, It is stated that the areas exhibiting radioactive contamination is assumed to be carbon 14 and is a radionuclide with beta emission only. Based on the provided information, the conclusion is not fully supported. No physical evidence provide confirms nor conflicts with the statement. The collection of samples showed no evidence as presented in the report. No explanation is given by the licensee to why the contamination would be present. Please obtain physical measurements that would show that the contaminate is carbon 14, or further justify why carbon 14 limit should be used.
- 3) In the "Final Status Survey Report" dated July 19, 2011, a counting efficiency of 8.5% was used for carbon 14. No basis for the efficiency was given. Please provide the basis of the efficiency for the instrument used.
- 4) In the "Final Status Survey Report" dated July 19, 2011, scans of the area was performed. However, the rate of speed being used and the minimal detectable activity that could be found using the survey protocol was not provided. Please provide information on scan rates and minimal detectable activity.
- 5) In the "Final Status Survey Report" dated July 19, 2011, it was stated that survey meter 3 was used for floor and lower wall scans. No survey information was provided. Please provide the survey information associated with the low energy gamma scintillator.
- 6) In the "Final Status Survey Report" dated July 19, 2011, it did not describe any surveys in additional areas of potential contamination collection. Please provide surveys of the drain, ventilation exhaust area, or areas with previous equipment exhaust.

We will continue our review upon receipt of this information. Please reply to my attention at the Region 1 Office and refer to Mail Control No. 575679. 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 or facsimile (610-337-5269). 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.