

From: [Ullrich, Elizabeth](#)
To: [Bose, Satya R.](#)
Subject: license amendment request dated May 8, 2019
Date: Tuesday, May 14, 2019 10:32:00 AM

08-00386-19
030-11063
Control No. 612138

Dr. Bose,

This request asks for authorization of 9 additional radionuclides with half-lives less than or equal to 120 days, in quantities of 200 millicuries each.

1. One of the requested radionuclides is iodine-125. This radionuclide is already listed on your license as Item M, 500 millicuries total. Confirm if you are requesting an increase in this amount or if 500 millicuries will cover the need here.
2. Many of the requested radionuclides are PET cyclotron products with much higher gamma emissions than the current radionuclides authorized. Please provide a description of the facilities and equipment that will be available for use of these radionuclides, which will demonstrate that adequate radiation safety equipment and procedures will be available when these radionuclides are used. Typical safety facilities and equipment may include: shielded storage areas; shielded glove boxes for use; remote handling tools; shielded syringes and other containers; if animal use is expected, shielded animal facilities may be necessary; extremity and other additional dosimetry; etc.
3. Your current license lists 6 radionuclides (including iodine-125) with half-lives less than or equal to 120 days, in quantities ranging from 100 to 500 millicuries. You could request to amend your current authorization in Item A "Any byproduct material with atomic numbers 3 through 83 and half-lives less than or equal to 120 days" to have a limit of 500 millicuries per radionuclide, and XX [select a reasonable value for the work expected] curies total" instead of having a total of 15 individual line items for these materials.

If you wish to discuss some of these options, please contact me by email, or by telephone. My contact information is below.

Response needs to be a signed hard copy letter sent by regular mail; or a pdf of a signed hard copy letter attached to an email; or you may fax a copy of a signed hard copy letter to 610-337-5269.

Thanks for your cooperation,
Betsy

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