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REGION 1

July 28, 2006

2006 AUG -1 AM 11: 08

Mr. Joseph Nick
Nuclear Materials Safety Branch
Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406-1415



Br. 2

Dear Mr. Nick

03033524

Merck & Co., Inc. would like to amend Radioactive Materials License No. 37-01531-07 to allow members of the Health Physics staff to remove generally licensed sources from liquid scintillation counters. The generally licensed sources will either be returned to the manufacturer or sent to a facility specifically licensed to receive the sources. The sealed sources contain either Cs-137 or less frequently Ba-133 and are approximately tens of microcuries. Model numbers of the sources are not readily available, however the model numbers of the liquid scintillation units where these sources reside are provided. Currently we have the following units on site:

Manufacturer	Model	Manufacturer	Model	Manufacturer	Model
Beckman	LS 6500	Beckman	LS 6000IC	Beckman	LS6000LL
Beckman	LS 6000SC	Packard	1600CA	Packard	1600TR
Packard	1900CA	Packard	1900TR	Packard	2100TR
Packard	2200CA	Packard	2300TR	Packard	2500TR
Packard	2550TR	Packard	2900TR	Packard	3100TR
Packard	Tricarb 2900TR	Perkin Elmer	Tricarb 2900TR	Perkin Elmer	TriCarb 2900

The procedure for removing the source is straightforward. The health physicist will don disposable gloves, lab coat, safety glasses and dosimetry. The housing around the source will be removed and then the source will be taken out of the liquid scintillation counter (LSC). After the source is removed from the LSC, a wipe test will be taken of the area where the source resided in the LSC and of the source itself to confirm that the integrity of the source was not breached in the process. The source will either be shipped back to the manufacturer or sent to a facility that is specifically licensed to receive it.

If you have any questions or concerns regarding this amendment request, please contact me at (215) 652-7926.

Yours sincerely,

A handwritten signature in cursive script that reads 'John J. Miller'.

John J. Miller, Radiation Safety Officer, West Point
Associate Director - Health Physics

139220
NMSS/RGNI MATERIALS-002

This is to acknowledge the receipt of your letter/application dated

7/28/2006, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Amendment 37-01531-07 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 139220.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.