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January 11, 2007

James Dwyer, Chief
Nuclear Materials Safety Branch 2
United State Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Subject: AstraZeneca Pharmaceuticals LP -- US NRC License No. 07-03990-01,
Docket No. 030-03868

Dear Mr. Dwyer,

We request that AstraZeneca's US NRC license number 07-03990-01 be exempted from the requirements of 10 CFR 33.17(a)(4) with respect to byproduct material, which will be prepared for use in research in accordance with a Radioactive Drug Research Committee-approved protocol or an Investigational New Drug (IND) protocol accepted by the FDA. The byproduct material will be provided to NRC or Agreement State, as that term is used under Section 274b of the Atomic Energy Act, licensees authorized to perform medical use under 10 CFR Part 35 or equivalent regulations. As suggested by Ms. Betsy Ullrich of your office, this request is consistent with the similar condition allowed for Merck license no. 37-01531-07 and Hoffman-LaRoche license no. 29-00018-02.

If you need further information, please contact Scott Petlick, CIH at (302) 886-1083.

Sincerely,

Arnie I. Caine
Vice President U.S. Business Services

Cc: Scott Petlick, CIH

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NMSS/REGN MATERIALS-002

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

1/11/2007, and to inform you that the initial processing which includes an administrative review has been performed.

Amend, 07-03990-01 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** 139972.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (R1)
(6-96)

Sincerely,
Licensing Assistance Team Leader