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September 30, 2006

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U. S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

RE: License Amendment Request to add SIR-Spheres, Yttrium 90 microspheres, produced by SIRTEX Medical Ltd.

Dear License Reviewer:

03002555

Please amend our radioactive material license, # 29-12611-01, to include Y-90 as microspheres for use in the Model **SIR-Spheres**, Brachytherapy Device. Authorization is requested for 3.0 GBq (81 mCi) maximum activity per vial and for a 5 vial maximum possession limit of 15.0 GBq (405 mCi) provided by SIRTEx Medical Ltd in accordance with FDA requirements.

The requested activity and multiple activity holdings are required for the anticipated administration into malignant hepatic tumors.

The proposed changes to our radioactive material medical use program have been approved by the Radiation Safety Committee.

Sincerely,

Nancy Fiamingo
License Administrator
Senior Vice President and Chief Operating Officer
Solaris Health System

139545

NMSS/RGNI MATERIALS-002



Affiliates of SOLARIS Health System
JFK Medical Center • Muhlenberg Regional Medical Center • JFK Johnson Rehabilitation Institute • New Jersey Neuroscience Institute
JFK Hartwyck Nursing, Convalescent & Rehabilitation Centers • Muhlenberg School of Nursing, Medical Imaging & Therapeutic Sciences
Mediplex Surgery Center • Diabetes Center of New Jersey • Whispering Knoll - Assisted Living Community
65 James Street, P.O. Box 3059, Edison, New Jersey 08818-3059 (732) 321-7000 www.solarishs.org

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

9/30/2006, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment 29-12611-01 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 139545.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.