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**Environmental Health & Radiation Safety**  
**3160 Chestnut Street, Suite 400**  
**Philadelphia, PA 19104-6287**  
**Tel: 215.898.4453**  
**Fax: 215.898.0140**

September 15, 2015

Tara Weidner  
Senior Health Physicist  
U. S. Nuclear Regulatory Commission, Region I

08-07398-03  
03014754

Dear Ms. Weidner:

I wish to confirm that David Mankoff, M.D. has been approved by the Radiation Safety Committee as an Authorized User under the University of Pennsylvania Licenses. Dr. Mankoff is authorized for materials included in 10 CFR 35.100, 35.200, 35.300 Categories 1, 2, and 3, and both Theraspheres and SirSpheres under 35.1000. The University of Pennsylvania is authorized to use radioactive materials under a Pennsylvania license of broad scope, License No. PA-0131.

If you have any questions, please contact me at 215-898-2134.

Sincerely,

A handwritten signature in cursive script that reads "Eileen Normoyle".

Eileen Normoyle  
Director, Radiation Safety  
Radiation Safety Officer

Weidner-15-00504-EN-km

588190  
NM00/RGN1 MATERIALS-002

UNIVERSITY OF PENNSYLVANIA OFFICE OF ENVIRONMENTAL HEALTH & RADIATION SAFETY

Philadelphia, Pennsylvania 19104-6287

**Authorized User Permit**

Radiation Permit Number: R-502

**David Mankoff**

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David Mankoff is approved as an Authorized User at the University of Pennsylvania (State of Pennsylvania Broad Scope License #PA-0131) for the following types of radioactive material uses:

**10CFR35.100**

Uptake, dilution, and excretion studies for which a written directive is not required

**10CFR35.1000 SIR-Spheres**

Y-90 SIR-Spheres

**10CFR35.1000 TheraSpheres**

Y-90 Therashperes

**10CFR35.200**

Imaging and localization studies for which a written directive is not required.

**10CFR35.300(1)**

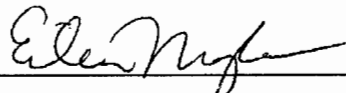
Use of byproduct material for which a written directive is required; 35.300(1): oral administration of NaI I-131 less than or equal to 33 mCi

**10CFR35.300(2)**

Use of byproduct material for which a written directive is required; 35.300(2): oral administration of NaI I-131 greater than 33 mCi

**10CFR35.300(3)**

Use of byproduct material for which a written directive is required, 35.300(3): parenteral administration of any beta emitter, or a photon emitting radionuclide with a photon energy less than 150 keV



Ms. Eileen Normoyle, R.S.O.

Radiation Safety Officer for University of Pennsylvania

9/15/15  
Date