



University of Missouri - Columbia  
Environmental Health and Safety  
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**TO:** Ms. Colleen Carol Casey  
U.S. Nuclear Regulatory Commission  
Region III - Nuclear Materials Safety Division  
2443 Warrenville Road  
Lisle, Illinois 60532-4352

**FROM:** Mr. Jack Crawford  
Radiation Safety Officer / Assistant Director  
Environmental Health & Safety  
University of Missouri – Columbia  
Columbia, MO 65211-3050

**DATE:** April 1<sup>ST</sup>, 2008

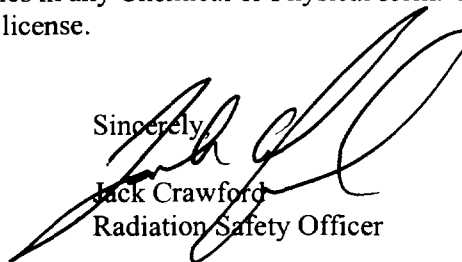
**SUBJECT:** REQUEST FOR EXPEDITED AMENDMENT  
University of Missouri-Columbia Broad Scope License No. 24-00513-32,  
Amendment # 103.

Dear Colleen:

Following is a request for an expedited license amendment for the University of Missouri-Columbia to facilitate continued research in the peptide targeted Bi-212 and Bi-213 alpha particle therapy for metastatic melanoma cancer utilizing. This request for amendment is being made as a result of the NRC "Expanded Definition of Byproduct Material" rule placing these isotopes which were previously state regulated under the jurisdiction of the NRC. These isotopes were previously authorized under our State of Missouri Radiation Control Program license which is due to expire April 10<sup>th</sup>, 2008 but was extended to April 10<sup>th</sup> 2009 on 3/10/08 by MoRCP.

The University of Missouri-Columbia request that our license No. 24-00513-32 be amended to include a line item to allow the use these Th-228/Ra-224 and Ac-225 parents, and their associated decay product daughters Pb-212, and Bi-212 not to exceed 200 millicuries in any Chemical or Physical form. Note Pb-212, and Bi-212 should fall within our 3-83 clause of our license.

Sincerely,



Jack Crawford  
Radiation Safety Officer

cc: J. Jones  
S. Jurisson  
T. Quinn  
P. Ashbrook  
RSO File

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There's Only One Mizzou



# Environmental Health & Safety

University of Missouri-Columbia  
Research Park Development Building  
Columbia, MO 65211-3050



C0567723100

RETURN RECEIPT  
REQUESTED

CERTIFIED MAIL



7001 0360 0000 5331 6537

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U.S. Nuclear Regulatory Commission  
Region III- Nuclear Materials Safety Division  
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