



Mr. Douglas Weaver
Deputy Director, Licensing and Inspection Directorate
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

6 June 2012

Dear Mr. Weaver,

This letter is to request a renewal of authorization to ship limited Type B quantities of radioactive material in DOT Specification 20WC-1 and 6M packages that NRC granted to the University of Missouri Research Reactor (MURR), 1513 Research Park Dr., Columbia, MO 65211, which is scheduled to expire on August 31, 2012.

MURR currently operates under Special Permit SP 14657, issued by DOT. We request that this authorization be renewed for a period of two (2) years from August 31, 2012 in tandem with the timely renewal of our DOT Special Permit. This timely renewal request is attached for your reference.

Change to Authorized Shipment Totals Request

As of this writing, 1095 shipments of Type B quantities of material have been made under this NRC authorization with no adverse incidents.

Regulatory Approval and Production Efforts

We continue our efforts (through our vendor, Croft Associates, Ltd.) to replace our fleet of DOT Specification packages with packages that are compliant with 10CFR71.

The Safety Analysis Report for Packaging (SARP) for the SAFKEG-LS, Croft Model 3979A, has been approved by NRC (Certificate of Compliance 9337, Docket Number 71-9337). Manufacturing is underway and we expect delivery of the LS package on October 12, 2012.

The SARP for the SAFKEG-HS is under revision to take into account NRC feedback on the SAFKEG-LS SARP as well as to incorporate lessons-learned from the LS package manufacturing process. This SARP is now expected to be submitted by the end of Q4 2012. The docket number for this effort is 71-9338.



Research Reactor Center
University of Missouri-Columbia

1513 Research Park Drive
Columbia, MO 65211

Phone (573) 882-4211
Fax (573) 882-6360

The point of contact for inquiries is Mr. Michael Flagg, who may be reached at (573) 882-5364 or via email at flaggm@missouri.edu.

Sincerely,

Ralph A. Butler
Director, University of Missouri Research Reactor

6 June 2012

Date

Enclosure (Timely Renewal letter to DOT)



Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety
Attention: Special Permits, PHH-31
Pipeline and Hazardous Materials Safety Administration
U.S. Department of Transportation
East Building, 1200 New Jersey Avenue, SE.
Washington, DC 20590-0001

6 June 2012

Dear Dr. El-Sibaie,

This letter serves as a timely renewal request for Special Permit **DOT-SP 14657 (Rev. 3)** which is scheduled to expire on August 31, 2012. We request that the special permit be renewed for a period of two (2) years from August 31, 2012 until August 31, 2014. Revision 3 of this permit remains accurate.

Contact Information:

University of Missouri Research Reactor
1513 Research Park Dr.
Columbia, MO 65211
D&B #: 030000603

Business Contact: Michael Flagg, flaggm@missouri.edu, (573) 882-5364

Director of the Reactor: Ralph Butler (CEO Equivalent)

All shipments of radioactive material in the packages covered under this special permit will originate from MURR, at the address above and MURR will act as the shipper (offeror) under the terms of this special permit.

Special Permit SP 14657 (Revision 3) Renewal Request

The University of Missouri Research Reactor (MURR), was granted Special Permit SP 14657, which is scheduled to expire on August 31, 2012. We request that the special permit be renewed for a period of **two (2) years** from August 31, 2012 until August 31, 2014. Revision 3 of this permit remains accurate.

As of this writing, 1095 shipments of Type B quantities of medical, industrial and research radioisotopes have been made under this special permit with no adverse incidents and no loss of contents.

Class 1 materials are not covered by this request and our shipping personnel will not participate in the transportation of Class 1 material under this permit.

Replacement Efforts

We continue our efforts (through our vendor, Croft Associates, Ltd.) to replace our fleet of DOT Specification packages with a new fleet that is compliant with 10CFR71.

SAFKEG-LS

The SAFKEG-LS (Croft Model 3979A, the replacement for the 6M) has been issued a Certificate of Compliance by NRC (CoC) and a Competent Authority Certification by DOT (USA/9337/B(U), Revision 0). Manufacturing of the SAFKEG-LS packages is underway and delivery of the packages to MURR is scheduled for October 12, 2012. The manufacturing schedule for the LS packaging is provided as Attachment A.

SAFKEG-HS

The SARP for the SAFKEG-HS remains under revision. Croft continues to incorporate NRC feedback on the SAFKEG-LS, make changes resulting from lessons-learned from the manufacturing process of the LS package, and re-run computer modeling as applicable. The current schedule calls for a submission of the SARP to NRC in Q4 2012. A review and manufacturing schedule for the HS is shown in Attachment A.

We expect the approval process for the HS package design to proceed more rapidly than that for the LS package, though this cannot be guaranteed. We have implemented the lessons learned from the previous approval process and are using the Requests for Additional Information on the LS to inform edits to the HS SARP. We will continue to work with the appropriate NRC staff to ensure an efficient and thorough review of the package.

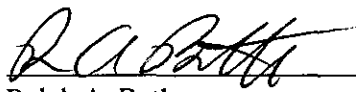
Contract Status

The amended contract between MURR and Croft in June of 2011 remains in effect.

The point of contact for inquiries is Mr. Michael Flagg, who may be reached at (573) 882-5364 or via email at flaggm@missouri.edu.

Thank you for your time and consideration of this request.

Sincerely,



Ralph A. Butler
Director, University of Missouri Research Reactor

6 June 2012
Date

Item	Q3 2012	Q4 2012	Q1 2013	Q2 2013	Q3 2013	Q4 2013	Q1 2014	Q2 2014
Manufacture of LS & LS Inserts	*							
Delivery of LS & LS Inserts	*							
Delivery of CALT 9 COMPLETE								
LS - Liquids Contents – additions to SARP			*	*	*			
LS - NRC review of Liquids Contents				*	*	*		
LS - Issue of NRC certificate with Liquids Contents added						*		
HS - SARP Compilation	*	*	*	*				
HS - NRC review of SARP		*	*	*	*	*	*	*
HS - Issue of NRC certificate						*		
Manufacture of HS & HS Inserts						*	*	*
Delivery of HS & HS Inserts								*

Appendix A: Regulatory and Manufacturing Timelines for the Croft LS and HS Packages for Delivery to MURR