



Research Reactor Center
University of Missouri-Columbia

1513 Research Park Drive
Columbia, MO 65211

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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

22 June 2010

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, 2011.

MURR currently operates under Special Permit SP 14657, issued by DOT. We request that this authorization be renewed for a period of three (3) years from August 31, 2011 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, 824 shipments of Type B quantities of material have been made under this NRC authorization with no adverse incidents. We do request that the limit on the number of shipments be raised from 1000 to 1500 while we transition to our new package fleet.

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) and manufacturing of this package will commence this month.

The SARP for the SAFKEG-HS is currently being revised to take into account NRC feedback on the SAFKEG-LS SARP as applicable and will be submitted by the end of Q4 2011. The docket number for this effort is 71-9338.

NIMSS01



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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

22 June 2011

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

22 June 2011

Dear Dr. El-Sibaie,

This letter is to request a timely renewal of Special Permit **DOT-SP 14657 (Rev. 1)** granted to the University of Missouri Research Reactor (MURR), 1513 Research Park Dr., Columbia, MO 65211, which is scheduled to expire on August 31, 2011. We request that the special permit be renewed for a period of three (3) years from August 31, 2011 until August 31, 2014. Revision 1 of this permit remains accurate.

As of this writing, 824 shipments of Type B quantities of medical, industrial and research radioisotopes have been made under this special permit with no adverse incidents.

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 will commence this month. The manufacturing schedule for the LS packaging is provided as Attachment A.

SAFKEG-HS

The SARP for the SAFKEG-HS is being revised to incorporate NRC feedback on the SAFKEG-LS as applicable and will be submitted by the end of Q4 2011. 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

On June 9th a contract amendment was signed between the University of Missouri and Croft. This amendment addressed a number of design and cost changes and has locked in a firm commitment from Croft on the final price and deliverables.

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

22 June 2011

Date



Item	Q4 2011			Q1 2012			Q2 2012			Q3 2012			Q4 2012			Q1 2013			Q2 2013			Q3 2013																				
Manufacture of LS & LS Inserts	*	*	*	*	*	*	*	*	*																																	
Delivery of LS & LS Inserts									*																																	
Delivery of CALT 9 [2-off]						*																																				
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