

REQUEST FOR TECHNICAL ASSISTANCE

Laboratory -- <input type="checkbox"/> ORISE	RFTA Number: 11- ⁰¹⁷ 216 <i>TK</i>	Date of Request: 8/01/2011	
From: Mr. John B. Hickman To: ORISE/ESSAP: Tim Vitkus	Telephone: 301-415-3017	Docket Number: 50-113	
	License Number: R-52	TAC No.: J00395	
Facility Name and Location: University of Arizona Nuclear Reactor Laboratory Tucson, Arizona 85721	Type of License: <input type="checkbox"/> Fee Recoverable <input checked="" type="checkbox"/> Non-Fee Recoverable		
<p>Description of Work to be Performed and Schedule:</p> <p>1. ORISE will prepare and submit a plan to conduct a confirmatory final status survey of the site. One site survey visits is anticipated. ORISE will be expected to review the licensee's Final Status Survey Reports, if available, prior to conducting the confirmatory survey. The expected time to conduct the survey is 1 day.</p> <p>The survey should include: gamma radiation measurements to identify hot spots (no acceptance criteria); surface scans at selected locations (ventilation system, drain pipes, sink, reactor core, anywhere radioactivity could be); fixed point measurements at random & biased locations; swipe samples for gamma emitting radionuclides and tritium; reanalyze some of the core samples previously collected by the licensee if available.; and analyze soil samples from the area adjacent to the reactor core.</p> <p>Review FSS package(s) for completeness.</p> <p>2. Develop a cost estimate to conduct the above. The estimate will include resources to perform all of the above, including travel expenses, shipping costs; submittal of draft and final reports (one each) listing issues and recommendations identified by ORISE; sample analytical costs; and technical support to NRC staff questions by telephone and e-mails. ORISE will submit a cost estimate and schedule within two weeks of receipt of this RFTA.</p> <p>3. For scheduling, the licensee currently anticipates conducting their FSS in August 2011 and submitting the report to the NRC in October 2011. ORISE should contact the NRC (Mr. John Hickman) for updated schedule information as it becomes available.</p>			
Authorization			
Title	Typed Name	Signature	Date
Project PM:	John B. Hickman	<i>[Signature]</i>	8/1/11
Branch Chief (Acting):	Bruce Watson	<i>[Signature]</i>	8/1/11
Emergency Authorization			
See Inspection Manual Chapter 0312 for definition of an acceptable emergency request. Provide justification for emergency request on a separate sheet. An emergency request cannot be processed without a justification.			
Title	Typed Name	Signature	Date
Division Director			
Approval			
Title	Printed Name	Signature	Date
Headquarters Technical Assistance Project Manager	Edna Knox-Davies SAVANA Nesmith	<i>[Signature]</i>	8/17/11
Headquarters Technical Monitor	Ted Carter	<i>[Signature]</i>	8/18/11

FY 2011 SPENDING PLAN			PERFORMANCE PERIOD	
			From	To
Name of Laboratory: Oak Ridge Institute for Science and Education			Aug-11	Oct-11
Title of Project: University of Arizona Research Reactor RFTA 11-017			ORISE Number 201104115.XXXX	Est. Project Cost \$81,790.00

ACTIVITY INFORMATION	Hours	Estimated Cost	Comments:
Project Comm	12.00	2,431.47	<u>BUSINESS CONFIDENTIAL</u> This document contains commercial and financial information that ORAU considers protected from disclosure under the (b)(4) exemption of the Freedom of Information Act. Assumes a 3 person team 2 days of travel and 2 days onsite. Includes 6 samples analyzed for full-suite analysis (HTDs are a large portion of costs).
Doc Review	15.00	2,714.34	
Pre-Survey	36.00	6,014.42	
Instrumentation	18.00	2,597.21	
Travel	54.00	8,421.64	
Survey Activities	60.00	9,367.37	
Lab Analysis	105.80	28,975.84	
Report Prep	92.00	14,534.64	
Sample Disposal	2.00	548.58	
Records Archival	8.00	734.32	
ISM	2.00	398.58	
	0.00	0.00	
	0.00	0.00	
	0.00	0.00	
BusOps & QA	48.58	5,051.59	
Total	453.38	\$81,790.00	

Submitted by: Oak Ridge Institute for Science and Education

Attention: Tim Vitkus, 865-576-5073; email Tim.Vitkus@orau.org; Fax 865-241-3497

**ORISE SCHEDULE – Confirmatory Survey Activities of the
University of Arizona Research Reactor
RFTA 11-017**

Survey Plan –	Draft due to the NRC for review & comment August 22, 2011. Final due to the NRC August 26, 2011.
Site Visit	Tentatively scheduled for the week of September 6, 2011. ORISE will travel to Tucson on September 6 th and report to the site on the 7 th & 8 th then return on the 9 th .
Draft Report	Within 14 days of receiving final laboratory data on all confirmatory samples.
Final Report	Within 2 weeks of receiving NRC's comments on the draft report.