

**NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415



June 23, 2010

Docket No. 030-34258  
Control No. 144651

License No. 41-25370-01

Robert Alsup  
Senior Project Manager  
Tennessee Valley Authority  
Energy Research and Technology Applications  
1101 Market Street  
Chattanooga, TN 37402-2801

SUBJECT: TENNESSEE VALLEY AUTHORITY, REQUEST FOR ADDITIONAL  
INFORMATION CONCERNING ADMINISTRATIVE AMENDMENT TO  
LICENSE, CONTROL NO. 144651

Dear Mr. Alsup:

During a recent review to update license possession limits to be in accordance with current policy, we identified that your Nuclear Regulatory Commission License No. 41-25370-01 needs an administrative amendment to list specific possession limits for Items 8.B. and 8.C.

1. Please provide suitable limits for the sources authorized in Items 8.B. and 8.C. Each limit should specify the maximum possession limit per source and the total maximum possession limit. Based on a review of past licensing and inspection documentation, we understand that you do not currently possess any such items at this time.
2. In April 2007, you requested to terminate this license and provided additional information in a letter dated October 4, 2007, to support the termination. Additional information was requested during a telephone call on October 11, 2007, regarding the facilities at the National Fertilizer Development Center in Muscle Shoals, Alabama; the Soil and Fertilizer Research Branch facilities in Wilson Dam, Alabama; and the Northern Red Oak Tree study that performed near Norris, Tennessee. The licensing action was considered abandoned on April 8, 2008, because no further information was received. Please note that, in accordance with 10 CFR 30.36, if no principal activities have been conducted for a period of 24 months, you must begin decommissioning and complete it with 24 months following the initiation of the decommissioning. Please note that it is more than 24 months past the abandonment of your licensing action. Please provide us with your plan and timetable for completion of the decommissioning activities for this license, or inform us if you have resumed licensed activities.

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Regulations, Guidance, and Communications**. You may also obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-866-512-1800. The GPO is open from 7:00 a.m. to 6:30 p.m. EST, Monday through Friday (except Federal holidays).

R. Alsup

2

We will continue our review upon receipt of this information. Please reply to my attention at the Region I Office and refer to Mail Control No. 144558. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5040.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we will assume that you do not wish to pursue your application.

Sincerely,

***Original signed by Elizabeth Ullrich***

Betsy Ullrich  
Senior Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

cc:

James P. Colagross, Radiation Safety Officer

DOCUMENT NAME: G:\WordDocs\Current\Lic Def Letter\L41-25370-01.144651.doc

**SUNSI Review Complete: EUllrich**

After declaring this document "An Official Agency Record" it will be released to the Public.

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI	DNMS/RI		
NAME	EUllrich / <i>BU</i> /					
DATE	6/23/10					

OFFICIAL RECORD COPY