



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

February 1, 2006

Docket No. 03017000  
Control No. 138203

License No. 45-19166-01

James A. Calpin, C.I.H.  
Laboratory Director  
Analytics Corporation  
8040 Villa Park Drive, Suite 250  
Richmond, VA 23228

SUBJECT: ANALYTICS CORPORATION, REQUEST FOR ADDITIONAL INFORMATION  
CONCERNING APPLICATION TO TERMINATE LICENSE, CONTROL NO.  
138203

Dear Mr. Calpin:

This is in reference to your letter dated January 4, 2006 requesting to terminate Nuclear Regulatory Commission License No. 45-19166-01. The guidance used to terminate a license is contained in NUREG-1757, Volume 1, Revision 1, "Decommissioning Process for Material Licensees." In order to continue our review, we need the following additional information:

1. Other than the leak tests submitted in your letter dated January 4, 2006, please submit the most recent leak test for all Nuclear Regulatory Commission (NRC) regulated sealed sources, including those no longer in your possession.
2. Prior to termination of a license, 10 CFR 30.35(g), 30.36(k)(4) and 30.51 require that you submit certain records to the NRC. Please submit the following records, or explain why such records are not applicable to your licensed activities:
  - a. for unsealed materials with half-lives greater than 120 days, records for disposal made pursuant to 10 CFR 20.2002 (alternate disposal procedures, including burial authorized prior to January 28, 1981), 20.2003 (disposals to the sanitary sewerage system), 20.2004 (incineration of wastes), 20.2005 (disposal of specific wastes including liquid scintillation cocktail and animal tissue), and 20.2103(b)(4), evaluations of effluent releases. The license authorized the use of tritium and mock iodine 125 (iodine 129 and americium 241) during the period of October 31, 1979, till October 29, 1982 for in-vitro studies at the facility located at 1415 Rhoadmiller Street, Richmond, Virginia.
  - b. records important for decommissioning as described in 30.35(g)(1) through (3). Examples of such records include but are not limited to: records of spill or other spread of contamination, identifying the radionuclides, quantities and concentrations; as-built drawings and modifications of structures and equipment in restricted areas and locations of inaccessible contamination such as buried pipes; and for leaking sources or unsealed material having half-lives of greater than 65 days (Selenium 75 in addition to the materials described in 2. a. for the

same period), a single list, updated at least every 2 years, of areas to which access is limited for the purpose of radiation protection (restricted areas).

No license will be terminated until the required records are received by the NRC. Records may be transferred to the U.S. Nuclear Regulatory Commission, Region I, 475 Allendale Road, King of Prussia, Pennsylvania 19406, or to the new licensee if licensed activities will continue at the same location under another Commission license.

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Medical, Industrial, and Academic Uses of Nuclear Material**; then **Toolkit Index Page**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

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. 138203. If you have any technical questions regarding this deficiency letter, please call Dennis Lawyer at (610) 337-5366 or 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***

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

cc:  
Andrew L. Teague, Radiation Safety Officer

DOCUMENT NAME: E:\Filenet\ML060380379.wpd

**SISP Review Complete: DLawyer**

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	N	DNMS/RI			
NAME	DLawyer/DRL		Eulrich/BU					
DATE	02/01/2006		02/01/2006					

OFFICIAL RECORD COPY