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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, ILLINOIS 60532-4352

JUN 01 2009

Trent Trutzel, RSO  
Alliant Techsystems, Inc.  
Lake City Small Caliber Systems  
Lake City Army Ammunition Plant  
P.O. Box 1000  
Independence, MO 64051-1000

Dear Mr. Trutzel:

Enclosed is Amendment No. 21 amending your NRC Material License No. 24-24576-01 in accordance with your request. Please note that authorization to conduct operational testing and research and development using the custom designed americium-241 gauging device has an expiration date of December 31, 2010. This was discussed during our May 19 telephone conversation. Also, as you are aware, approval to use the custom device on a permanent basis will require that you obtain a sealed source and device registry certification through NRC's headquarters office.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

NRC's Regulatory Issue Summary (RIS) 2005-31 provides criteria to identify security-related sensitive information and guidance for handling and marking of such documents. This ensures that potentially sensitive information is not made publicly available through ADAMS, the NRC's electronic document system. Pursuant to NRC's RIS 2005-31 and in accordance with 10 CFR 2.390, the enclosed license document is exempt from public disclosure because its disclosure to unauthorized individuals could present a security vulnerability. The RIS may be located on the NRC Web site at: <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2005/ri200531.pdf> and the link for frequently asked questions regarding protection of security related sensitive information may be located at: <http://www.nrc.gov/reading-rm/sensitive-info/faq.html>. A copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). The NRC's document system is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

Kevin G. Null  
Materials Licensing Branch

License No. 24-24576-01  
Docket No. 030-28929  
Enclosure: Amendment 21

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When separated from this cover letter this letter is uncontrolled.