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

APR 22 2010

Frederick B. Entwistle, Manager  
Corporate Health Physics  
3M Company  
3M Corporate Health Physics  
3M Center, Bldg. 220-3W-06  
P.O. Box 33283  
St. Paul, MN 55133-3283

Dear Mr. Entwistle:

Enclosed is Amendment No. 43 to your NRC Material License No. 22-00057-61 in accordance with your request. Please note that the changes made to your license are printed in **bold** font.

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.

**At this time I was unable to approve the request made in your letter dated January 20, 2010, to internally "modify procedure content so long as they continue to meet the same criteria as those described here," because the information in this letter was insufficient to complete my review.**

**If you wish to pursue this request further, please provide the information requested below and address it to my attention as "additional information to control number 318768" to facilitate proper administrative handling in our office. Please note that this is a different control number than the one assigned to you previously for the initiation of this amendment in October 2009. Upon receipt of your written request we will continue our review.**

**Please note, however, that I am only gathering additional information to consider your request. I cannot guarantee approval of this request and it is still possible that additional review beyond what I've asked for here would be required, as this is an unusual request.**

**Specifically, please confirm that any changes that you would make internally that modify procedure content for the irradiation of "Greater than Small Quantity Volumes" of flammable materials ("GSQV") would not degrade safety in any way.**

**Please justify and support this request in brief but specific terms.**

**Please specify what is meant by "criteria," as used in the context of this sentence and paragraph.**

**Please provide examples of the kinds of "modifications" that you propose to make internally, typically, and "worst case scenario," to better illustrate what you intend to change in the procedures.**

**Please describe who (specific "3M stakeholders") would be responsible for making each change, evaluating each change for safety significance and necessity, approving each change and training all affected personnel to implement each change.**

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The enclosed document contains sensitive security-related information.  
When separated from this cover letter this letter is uncontrolled.

F. Entwistle

**Please confirm that you would submit an amendment request to your NRC license to incorporate each procedural change within 30 days of the date that each change is approved.**

**Please contact me at either (630) 829-9841 or (800) 522-3025, ext. 9841 if you have any questions or concerns about this amendment.**

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).

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Statement of Policy and Procedure for NRC Enforcement Actions.

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F. Entwistle

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,



Colleen Carol Casey  
Materials Licensing Branch

License No. 22-00057-61  
Docket No. 030-14999

Enclosure: Amendment No. 43

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