

June 5, 2008

Thomas K. Spencer  
Radiation Safety Officer  
Sigma-Aldrich Company  
3050 Spruce Street  
St. Louis, MO 63103

Dear Mr. Spencer:

We have completed our review of Sigma-Aldrich's revised cost estimate for decommissioning financial assurance in the amount of \$1,370,000 dated June 4, 2007, for its decommissioning funding plan for NRC License Numbers 24-16607-02, 24-16607-03, and 24-16273-01. Currently we hold a Standby Trust Agreement for decommissioning financial assurance for Sigma-Aldrich in the amount of \$3,000,000. Within the scope of our review, the revised cost estimate was found to be acceptable.

Based on your June 4 letter, it is our understanding that you wish to maintain the current Standby Trust Agreement valued at \$3,000,000 for decommissioning financial assurance. If our understanding is not correct, please contact Kevin Null upon receipt of this letter.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," 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>.

If you have any questions, please contact Kevin Null of my staff at (630) 829-9854.

Sincerely,

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Patricia J. Pelke, Chief  
Materials Licensing Branch

License Nos.: 24-16607-02, 24-16607-03, and 24-16273-01  
Docket Nos.: 030-28732, 030-28992 and 030-10716

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