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SCHLUMBERGER-DOLL RESEARCH

36 OLD QUARRY ROAD

RIDGEFIELD, CONNECTICUT 06877-4108

203-431-5000

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February 3, 2005

U.S. Nuclear Regulatory Commission
Region 1
Division of Nuclear Material Safety
475 Allendale Road
King of Prussia, PA 19406

Re: License 06-00807-01 03003766

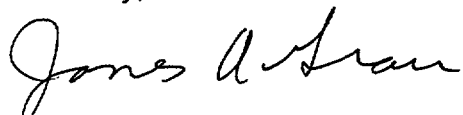
Subject: Amendment of license to increase allowed amount of Curium-244

Dear Sirs:

We recently requested, and were granted, an amendment to our materials license to possess up to 1 millicurie of Curium-244 in the form of a sealed source (Docket No 03003766, Control No 135873). Unfortunately we were misinformed of the source strength needed by the experimenters who wish to use the source. Instead of 1 millicurie we actually need 100 millicurie. Consequently, we wish to amend the maximum amount of Curium-244 that we are allowed to possess from 1 millicurie to 100 millicuries. As mentioned in the previous application, the desired source is a mix Curium-244 / Carbon-13 in the form of a sealed source. The source produces neutrons and gamma rays from the Carbon-13(alpha,n)Oxygen-16 reaction. The intended use for this source at Schlumberger-Doll Research would be for research and development in general, and in particular for detector evaluation using the 6.1-MeV gamma ray emitted from Oxygen-16. The desired amount would not exceed 100 millicurie.

Thank you for considering this application.

Sincerely,



James A. Grau
Radiation Safety Officer
Schlumberger-Doll Research
Phone: (203) 431-5303
Email: jgrau@ridgefield.oilfield.slb.com

This is to acknowledge the receipt of your letter/application dated

2/3/2005, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Ameud 06-00867-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 136426.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

