wyle laboratories

April 12, 2002

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Potential Part 21 on irradiations performed with the cobalt-60 sources in the Georgia Tech hot cell

Reference: Georgia Tech letter dated 3/15/2002, received by Wyle 4/11/2002

Pursuant to the 10 CFR Part 21 requirements, this letter notifies the NRC of a Potential Part 21 condition.

An error in irradiation dose units is identified in the attached letter from Georgia Tech letter dated March 15, 2002, which was received by Wyle on April 11, 2002. The error applies to all equipment irradiated with the cobalt-60 sources in the Georgia Tech hot cell from 7/24/1997 to 7/6/2001. Georgia Tech reported radiation doses in units of rads-air (absorbed dose in air) instead of Roentgens. Since one Roentgen is equal to 0.877 rad, the actual dose is less than the reported value.

Wyle will perform an evaluation to determine:

1. Wyle projects that include irradiation with the cobalt-60 sources in the Georgia Tech hot cell from 7/24/1997 to 7/6/2001.
2. The actual dose absorbed by equipment in said projects.
3. Whether the actual dose in said projects envelops the customer-specified requirements.

Wyle Laboratories has the capability and chooses to perform the evaluation to determine if a defect exists. It is the responsibility to Wyle Laboratories to inform the purchaser(s), and any affected licensees.

Wyle will complete the specified evaluation of the circumstances within sixty (60) days of discovery of the potential defect. The NRC will be provided a copy of Wyle's evaluation report.

If you have any questions, please feel free to contact me by phone (256) 837-4411, Ext. 271, fax to (256) 830-2109, or e-mail to esmith@hnt.wylelabs.com.

Sincerely,

WYLE LABORATORIES, INC.

Edward W. Smith
Director, Contracts & Purchasing

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ERS

Georgia Institute of Technology

Neely Nuclear Research Center
Hot Cell Operations
900 Atlantic Drive
Atlanta, Georgia 30332-0425
(404) 894-3600 FAX: (404) 894-9325

March 15, 2002

Wyle Laboratories
7800 Highway 20 West
Huntsville, AL 35806

Dave McGuiness:

This is to inform you of an error in the dose units reported for irradiations performed with the cobalt-60 sources in the Georgia Tech hot cell. The reporting error was discovered in a recent internal audit. From the time period 7/24/1997 to 7/6/2001, we reported the radiation doses in Rads-air (absorbed dose in air). The doses should have been reported in roentgens. Please change the units from Rads-air to roentgens for work done during the aforementioned irradiation interval. We regret this unit change and ask that you contact me if you have further questions.

Thank you for your ongoing support of our hot cell operations.

Sincerely,

Dwayne P. Blaylock
Manager, Hot Cell Operations

Cc: N.E. Hertel
R.D. Ice
File

Neely Nuclear Research Center
900 Atlantic Drive
Atlanta, GA 30332

U.S. POSTAGE

Wyle Laboratories
Attn: Dave McGuiness
7800 Highway 20 West
Huntsville, AL 35807