

**COLLEEN CAROL CASEY
MATERIALS LICENSING BRANCH
UNITED STATES NUCLEAR REGULATORY COMMISSION**
REGION III
2443 WARRENVILLE ROAD STE 210
LISLE, ILLINOIS 60532-4352
OFFICE: (630)-829-9841 FAX: (630) 515-1078

CONVERSATION RECORD

TIME

DATE

ACTUALLY FAXED?

YES

8/23/07

NAME OF PERSON(S) CONTACTED

ORGANIZATION

TELEPHONE NO.

Todd Grigereit, Ph.D. RSO for Dallas Cancer Center

314-471-0250

SUBJECT

License No.: 24-32151-01 Control No.: 316462 - note, different C/N

SUMMARY

We have reviewed your letter dated 8/15/07 requesting an amendment to your byproduct materials license and find that we need additional information as follows:

The units you used for exposure rate is ". microcuries per hour" which appears to be incorrect. See attached copy of your letter where I have circled the text in question.

Please submit a corrected, currently signed & dated letter addressing the area survey exposure rate results.

We will be unable to continue processing your request until we receive this information.

Please also be reminded of the provisions in 10 CFR 30.9(a), "Completeness and accuracy of information,"...(a) Information provided to the Commission by an applicant for a license or by a licensee or information required by statute or by the Commission's regulations, orders, or license conditions to be maintained by the applicant or the licensee shall be complete and accurate in all material respects."

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically 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>.

ACTION REQUIRED

1. Submit the requested information within 15 calendar days (by Sept. 8, 2007, 2006) by referencing control number 316462 to facilitate proper handling. If we do not receive an adequate response by this date, we ~~will~~ ^{will} VOID the current action without attempting to contact you further and without prejudice to resubmission of your request at a later date. Upon receipt of your response we will reactivate placement of your request in our database and resume our review. Address your written response to my attention at the above address.

PLEASE NOTE THAT A "VOID" IS AN ADMINISTRATIVE PROCEDURE THAT PUTS YOUR AMENDMENT REQUEST "ON HOLD" (TAKES IT OUT OF OUR ACTIVE CASEWORK DATABASE) UNTIL YOU REACTIVATE IT VIA A WRITTEN RESPONSE. IT "BUYS" YOU TIME TO PREPARE A QUALITY RESPONSE AND IS GENERALLY REGARDED AS A "GOOD THING."

PLEASE DIRECT ANY QUESTIONS YOU MAY HAVE TO ME AT 630-829-9841.

OR

2. As we cannot issue an amendment at this time we are voiding this request in order to enable you to prepare a quality application without time constraints. This is done without prejudice to the resubmission of your request at a later date. Upon receipt of your response we will resume our review. Address your written response to my attention at the above address.

PLEASE NOTE THAT A "VOID" IS AN ADMINISTRATIVE PROCEDURE THAT PUTS YOUR AMENDMENT REQUEST "ON HOLD" (TAKES IT OUT OF OUR ACTIVE CASEWORK DATABASE) UNTIL YOU REACTIVATE IT VIA SUBMISSION OF A WRITTEN RESPONSE. IT "BUYS" YOU TIME TO PREPARE A QUALITY RESPONSE AND IS GENERALLY REGARDED AS A "GOOD THING."

PLEASE DIRECT ANY QUESTIONS YOU MAY HAVE TO ME AT (630) 829-9841 or (800) 522-3025.

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

Colleen Carol Casey

Colleen Carol Casey

Aug. 23, 2007



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4352

TELEFAX TRANSMITTAL

DATE: 8/23/07 NUMBER OF PAGES: 5
(including this page)

SEND TO: Todd Grigewit, Ph.D.

LOCATION: Ballas Cancer Center

FAX NUMBER: 314-471-0299 **VERIFY BY CALLING SENDER**

FROM: Colleen Carol Casey
(SENDER)

TELEPHONE NUMBER: 630-829-9841 FAX NUMBER: 630 - -

If you do not receive the complete fax transmittal, please contact the sender as soon as possible at the telephone number provided above.

MESSAGE *Call if you have questions.
Thank you
Colleen Carol Casey*

NOTICE

This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this message is not the intended recipient or the employee responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately by telephone and return the original to the above address, by U.S. Mail. Thank you.

TRANSMISSION VERIFICATION REPORT

TIME : 08/23/2007 17:28
NAME : USNRC RIII
FAX : 6308299782
TEL :
SER.# : 000A7J925774

DATE, TIME	08/23 17:28
FAX NO./NAME	83144710299
DURATION	00:00:40
PAGE(S)	05
RESULT	OK
MODE	STANDARD ECM

NRC FORM 386 (R11)
(4-2004)



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(SENDER)

TELEPHONE NUMBER: 630-829-9841 FAX NUMBER: 630 - -

If you do not receive the complete fax transmittal, please contact the sender as soon as possible at the telephone number provided above.

MESSAGE Call if you have questions.

St. Louis Cancer and Breast Institute
(Ballas Cancer Center)
Suite 100
1000 Des Peres Rd.
Des Peres, MO 63131
(314) 471-0250
Fax: (314) 471-0299

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August 15, 2007

Colleen Casey
Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352
Phone: (630) 829-9500
Fax: (630) 515-1078

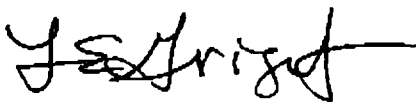
Re: Control # 316230
Clarification of Application for Materials License Amendment to USNRC license # 24-32151-01.

The numerical values of the exposure rates measured at 450 N. New Ballas Road and the last two leak tests done by the vendor for the Nucletron HDR unit were inadvertently omitted from the amendment request dated May 2, 2007. The exposure rates observed during the area survey did not deviate from the background exposure rate anywhere in the space, all of which was carefully surveyed. Those background rates ranged from 0 to 20 microcuries per hour. The last two leak tests performed on the HDR unit are attached.

The area survey done for decommissioning of the 450 N. New Ballas location was performed with a Victoreen 450P pressurized ion chamber survey meter. The 450P ion chamber is a sealed unit pressurized to 6 atmospheres with a gas mixture of 80/20 nitrogen/neon which enhances its sensitivity well beyond a typical ion chamber and renders it comparable to a GM tube. The operation is entirely electronic so that there are no electro-mechanical device failures or time lags; the response time is very fast: less than 5 seconds on the lowest scale (zero to 500 microcuries) while the integrate mode features a 100 millisecond response time. The meter autoranges so that inadvertent saturation and false low readings are not a problem, as can occur with Geiger-Muller tubes. The meter is sufficiently sensitive to detect quantities as low as a few microcuries during a walking sweep of the floor. A few microcuries of Cs-137, for example, raise the exposure level about 20 microR/hr at one foot which is easily detectable during a slow surface sweep. Quantities of contamination smaller than that should be picked up on the wipe tests.

Thank you for your patience and assistance. Our new fax number appears at the top of this page.

Sincerely,



Todd E. Grigereit, Ph.D.
Radiation Safety Officer

316462