

VOID SHEET

TO: License Fee Management Branch
FROM: Region III
SUBJECT: VOIDED APPLICATION

Control Number: 93829

Applicant: Univ. of Cincinnati

Date Voided: 1/7/93

Reason for Void: Licensee will be resubmitting a new request modifying that which was submitted under #V 93829

Kim B. Null 1/7/93
Signature Date

Attachment:
Official Record Copy of
Voided Action

FOR LFMB USE ONLY

Final Review of VOID Completed:

- Refund Authorized and processed
- No Refund Due
- Fee Exempt or Fee Not Required

Comments: _____

Log completed
Processed by: SAC
9/30/93

M/L
30
DH

0006-17

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 02110
STATUS CODE: 0
FEE CATEGORY: 3P 7B
EXP. DATE: 19970630
FEE COMMENTS: CAL & LT SER
DECOM FIN ASSUR REQD: Y

LICENSE FEE TRANSMITTAL

*add EXID 2C
when issued.*

A. REGION

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: CINCINNATI, UNIVERSITY OF
RECEIVED DATE: 920812
DOCKET NO: 3002764
CONTROL NO.: 393829
LICENSE NO.: 34-06903-05
ACTION TYPE: AMENDMENT

2. FEE ATTACHED
AMOUNT: \$
CHECK NO.: \$

3. COMMENTS

SIGNED *P. Deitloff*
DATE *8-13-92*

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED)

1. FEE CATEGORY AND AMOUNT: *3P 7B* *EXID 2C*

FEE EXEMPT
170-11(A)(4)

2. CORRECT FEE PAID, APPLICATION MAY BE PROCESSED FOR:
AMENDMENT
RENEWAL
LICENSE

3. OTHER

SIGNED *Rita Jacques*
DATE *8/17/92*

RECEIVED

AUG 20 1992

REGION III

CONVERSION RECORD

TIME DATE
3:00 P.M. 1/7/93

VISIT CONFERENCE TELEPHONE

INCOMING
 OUTGOING

NAME OF PERSON(S) CONTACTED OR IN CONTACT ORGANIZATION (OFFICE, DEPT. ETC.) TELEPHONE NO.
Vicky Morris Univ. of Cin.

SUBJECT
C/N 93829

SUMMARY

We discussed the licensee's request as stated in letter dated 8/7/92. The licensee would like to submit a request modifying this letter. They will ask for Atomic Nos. 1-94 rather than each individual isotope within this range as described in the above mentioned letter.

It was agreed that C/N 93829 would be voided. If the licensee submits the additional information we will reactivate our review. No fee is required. I informed Ms. Morris that because transuranics will be included in 1-94, she must be very specific as to authorized use and to limit the quantity of each radionuclide to as low as possible. She agreed.

ACTION REQUIRED

Void C/N 93829.

NAME OF PERSON DOCUMENTING CONVERSATION SIGNATURE DATE
Kevin G. Null *Kevin G. Null* 1/7/93

ACTION TAKEN

SIGNATURE TITLE DATE

University of Cincinnati
Medical Center



University of Cincinnati

Radiation Safety Office

Old Operating Pavilion Basement, Room 9

234 Goodman Street
Cincinnati, Ohio 45267-0591
Telephone (513) 558-4110
Fax (513) 558-9905

August 7, 1992

United States Nuclear Regulatory
Commission Region III
Materials Licensing Section
779 Roosevelt Road
Glen Ellyn, IL 60137

92 AUG 14 P2:30
U.S. NUCLEAR REGULATORY
COMMISSION

RECEIVED BY LFMS	
Date	8/14/92
Log	Aug 9 III
By	Ly
Date Completed	8/17/92

Reference: US NRC license No. 34-06903-05

Subject: License Amendment

FEE EXEMPT
EX 10 20 170.11(A)(4)

Gentleman:

The University of Cincinnati would like to amend its broad scope license (34-06903-05). The amendment request is to allow the University to use specified uranium and transuranic material to develop calibration standards and standardized excreta samples. The amendment does not include any changes which effect the Human-Use activities of the license; therefore this amendment is exempt from fees under 10CFR170.11(4).

The amendment requests the following radionuclides, chemical and/or physical forms, and uses for the specified radionuclides be added to the license.

1. Radionuclides; Chemical and/or Physical Form; Possession limits.

<u>Radionuclides</u>	<u>Chemical and/or Physical Form</u>	<u>Possession Limits</u>
Pu-236	nitrates, citrates, chlorides	2 mCi
Pu-238	nitrates, citrates, chlorides	2 mCi
Pu-239	nitrates, citrates, chlorides	2 mCi
Pu-240	nitrates, citrates, chlorides	2 mCi

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REGION III

PM 8/10/92

Pu-241	nitrates, citrates, chlorides	2 mCi
Pu-242	nitrates, citrates, chlorides	2 mCi
Am-241	nitrates, citrates, chlorides	2 mCi
U-238(depleted)	oxides, nitrates,	100 mCi
U-235(\leq 4%)	oxides, nitrates,	2 mCi
U-234	oxides, nitrates,	100 mCi
Th-228	oxides, nitrates	2 mCi
Th-230	oxides, nitrates	2 mCi
Th-232	oxides, nitrates	2 mCi
Po-208	chlorides	2 mCi
Po-210	chlorides	2 mCi
Po-210	sealed source	2 mCi
Cm-244	nitrates, citrates, chlorides	2 mCi
Np-237	nitrates, citrates, chlorides	2 mCi

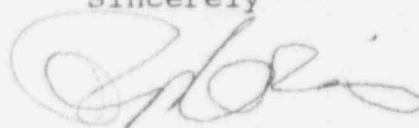
2. Specific uses for the radionuclides listed in 1 above.

Development of Calibration Standards for In Vivo Measurement.
 -- Radioactive material will be added to polyurethane structures used as surrogate internal organ structures for calibration of whole body counters. Up to 10 uCi of activity of any single radionuclide will be added to an organ set. (The process is described by Griffith, et. all in UCRL-80343 developed for the Department of Energy at Lawrence Livermore National Laboratory.)

Standardization of Excreta Sample -- Tracer quantities of radioactive material will be added to samples of excreta to determine the content of naturally occurring and occupationally derived radioactivity. Typical tracer quantities should not exceed a total of 10 - 100 dpm for each radionuclide for each sample.

The majority of the activity will be transferred to a DOE facility for their use and ultimate disposal. Any waste generated during the process of making a standard will either be analyzed (if analysis indicates no activity present waste will be disposed of as nonradioactive), processed for radionuclide recovery or disposed of in accordance with NRC regulations.

Sincerely



Victoria Morris, M.S., CHP
University of Cincinnati
Radiation Safety Officer

C: C. Kupferberg
R. Millard
H. Spitz