

APPLICATION FOR AUTHORIZATION TO USE RADIOACTIVE MATERIAL -- NON-HUMAN USE

1. APPLICATION FOR:

NEW AUTHORIZATION

X

RENEWAL OF AUTHORIZATION NUMBER

AMENDMENT TO AUTHORIZATION NUMBER

557

2. APPLICANT'S NAME (Last, First, MI) (Principal User)

WRAY, H. Linton, COL, MC

3. APPLICANT'S MAILING ADDRESS (Include Organization)

Endocrine-Metabolic Service CHIEF
Building 2, Room 7D25, 6337
Department of Medicine, HSHL-ME CLINICAL INVESTIGATION

TELEPHONE NUMBER

576-1793, 1706 1390

(IF MORE SPACE IS NEEDED FOR ANY ITEM, USE ADDITIONAL PROPERLY KEYED PAGES.)

4. List all CO-WORKERS

Dawson, William E. (AP)
MAT, MC

5. List all TRAINEES

6. List all TECHNICIANS

Dawson, E., GS-11
Butler, Vincent M., GS-09
Whitehead, Donna

7. LOCATIONS WHERE MATERIAL WILL BE USED: (Building and Associated Rooms)

Bldg 2, Rms 4760, 4742 ^{PM}

8. LOCATIONS WHERE MATERIAL WILL BE STORED: (Building and Associated Rooms)

Bldg 2, Rms 4760, 4742

9. RADIOACTIVE WASTE DISPOSAL SINK IN ROOM:

None

D. RADIOACTIVE MATERIAL DATA

A. RADIOISOTOPE	B. CHEMICAL AND/OR PHYSICAL FORM (Sealed or Unsealed)	C. POSSESSION LIMIT	D. USE
3-H	Nucleotides, Vitamin D, liquid, unsealed	15 mCi	In Vitro binding assays
14-C	Same as above	15 mCi	Same as above
125-I	Sodium Iodide, Iodinated RIA reagents, Liquid, Unsealed	10 mCi	Iodination of RIA reagents and their use
45-Ca	Calcium Chloride	10 mCi	In Vitro binding assays

CERTIFICATE

(This item must be completed by applicant)

APPROVED BY

APPLICATION FOR AUTHORIZATION TO USE RADIOACTIVE MATERIAL -- NON-HUMAN USE

1. APPLICATION FOR:

NEW AUTHORIZATION

RENEWAL OF AUTHORIZATION NUMBER

☒

AMENDMENT TO AUTHORIZATION NUMBER

557

2. APPLICANT'S NAME (Last, First, MI) (Principal user)

Wray, H. Linton, COL, MC

3. APPLICANT'S MAILING ADDRESS (Include Organization)

TELEPHONE NUMBER

576-1793, 1706

DATE

No change

(IF MORE SPACE IS NEEDED FOR ANY ITEM, USE ADDITIONAL PROPERLY KEYED PAGES.)

4. List all CO-WORKERS

Add:

Duncan, William E., MAJ, MC

5. List all TRAINEES

Add:

6. List all TECHNICIANS

Add:

Whitehead, Donna, GS-11

7. LOCATIONS WHERE MATERIAL WILL BE USED: (Building and Associated Rooms)

No change

8. LOCATIONS WHERE MATERIAL WILL BE STORED: (Building and Associated Rooms)

No change

9. RADIOACTIVE WASTE DISPOSAL SINK IN ROOM:

No change

D. RADIOACTIVE MATERIAL DATA

A. RADIOSOTOPE

B. CHEMICAL AND/OR PHYSICAL FORM
(Sealed or Unsealed)

C. POSSESSION
LIMIT

D.

USE

No change

CERTIFICATE

(This item must be completed by applicant)

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

AUTH 557

REFERENCE OR OFFICE SYMBOL

SUBJECT

HL-HP

Assistant Principal User

TO Endo-Metabolism
ATTN: COL Wray
WRAMC

FROM
Health Physics Officer
WRAMC

DATE MAR 25 1985

CMT 1

SP6 Lewis/esm/75104

1. Recent incidents have shown the administrative requirement for designation of an Assistant Principal User for each authorization to use radioactive material.
2. The individual designated as Assistant Principal User will function as Principal User during absence of Principal User.
3. Request name of the individual designated as Assistant Principal User be returned to the Health Physics Officer NLT APR 8 1985
4. POC for this action is Mr. Stafford, 427-5104.



WILLIAM E. WOODWARD
LTC, MSC
Health Physics Officer

HS HL-HP

SUBJECT: Assistant Principal User

TO Health Physics Office
WRAMC
ATTN: C, RMC Br.

FROM Asst Ch, Endo-Metab Soc
WRAMC

DATE 28 March 1985

CMT 2

SP6 Lewis/esm/75104

1. The following named individual has been designated as the Assistant Principal User for authorization William E. Duncan, MAJ MC.
2. Prior to my departure from this post I will submit a written request for cancellation of my authorization or submit an amendment designating a new Principal User and Assistant.

H. Linton Wray, MD
H. Linton Wray MD
Col USA MC
Asst. Ch. Endo-Metab Soc
and Key Metabolic Unit

DISPOSITION FORM

For use of this form, see AR 340-15, the proponent agency is TAGCEN.

REFERENCE OR OFFICE SYMBOL HSWP-QHP	SUBJECT Research Protocol for Isotope named in the Application for Use of Radioactive Material Authorization # 557	
TO Health Physics Officer WRAMC		FROM H. Linton Wray, COL, MC DATE 22 July 1983 Wray/bak/6-1793 CMT 1
a. <u>Principal User:</u> H. Linton Wray, COL, MC	<u>Telephone Number</u> 576-1793/1706	<u>Authorization No.</u> 557
b. <u>Investigator & Auth #</u> -	c. <u>Trainee & Auth #</u> -	d. <u>Technician & Auth #</u> Vincent M. Butler 557
e. <u>Radioisotope</u> 125 _I	<u>Physical/Chemical form</u> Iodinated RIA Reagents	<u>Maximum Quantity per Experiment (mCi)</u> 1 micro Ci
f. <u>Title of Project:</u> Multiple		<u>Maximum Quantity for Entire Project (mCi)</u> 25 micro Ci/year
g. <u>Beginning Date:</u> 1971	h. <u>Ending Date:</u> ongoing	i. <u>Repetitive Study</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

j. Life cycle of Radioisotope utilized for Research Procedure:

(1). Iodinated RIA reagents are delivered to Room 4760, Bldg 2, by two mechanisms. Reagents from commercial sources are delivered by Health Physics. Reagents from Room 365, Bldg 40, under Authorization #215, are delivered by Mr. Butler. The RIA tests are performed in Room 4760. Radioactive waste will be properly prepared and labeled and transported to the loading dock, Bldg 2 by Mr. Butler.

(2). All radioactive solutions and waste will be identified by the proper label. Transport of radioactive material between authorized work areas will be conducted in a manner that precludes the spread of contamination and inadvertant exposure to non-participating personnel.

k. Labelling and Transport of Radioactive Material

All radioactive solutions, tissues, animals and waste will be identified by proper label, in accordance with Health Physics Memo #3, #5, & #8. Transport of radioactive material between authorized work areas and waste disposal sites will be conducted in a manner that precludes the spread of contamination and inadvertent exposure to non-participating personnel.

l. Laboratory Animal Usage

Species None

Bldg # —

Room # —

m. Disposition of Animals

☒ Not Applicable

☐ Animals will be sacrificed and carcasses will be disposed of as radioactive waste

☐ Other (Specify)

n. Isotope Utilization Location

Bldg	Loc. #1 2
Room	4760
Maximum Amt (mCi)	1 mCi

Loc. #2

Loc. #3

Loc. #4

Loc. #5

o. Isotope Storage Location

Bldg 2

Room 4760

Maximum Amt (mCi) 1 mCi

p. Isotope Waste Storage Location

- (1) Biological: Bldg # Room #
(2) All other: Bldg # 2 Room # 4760

- ☒ All radioactive waste will be transferred to the Health Physics collection point, WRAMC (Bldg 2 NMTF-Loading Dock) (1330 to 1430) of each week.
- ☐ All radioactive waste will be transferred to the Health Physics collection point, WRAIR (Room B079) Open everyday 1030 to 1130.
- ☐ All radioactive waste will be transferred to the Health Physics collection vehicle, WRAIR (Forest Glen Section) on Thursday (1330 to 1430) every other week.

q. Radioactive Waste Disposal

All radioactive waste will be transferred to Health Physics Office in accordance with Health Physics Memo # 3, Memo # 8, and SOP # 1-11.

r. Room Survey

All room surveys will be conducted in accordance with Health Physics Memo #12.

s. Personnel Dosimetry

Whole Body ☒

Wrist Badge ☐

TLD Ring ☐

will be requested in accordance with Health Physics SOP #1-5. Assigned dosimetry monitors will be worn by all participating personnel.

- t. Are there any significant non-radiation personnel hazards associated with experiments (Biological, Explosive, Toxic substances, High Intensity Optical sources, Microwave, or Electrical)?

☒ No

☐ Yes (Specify)

The research protocol enumerated above is designed to ensure that occupational radiation exposures and release of radioactive effluents to the environment will be "as low as reasonably achievable" (ALARA) during all phases of the research procedures.

Arthur Wray Cal MC
Signature

DISPOSITION FORM

For use of this form, see AR 340-15, the proponent agency is TAGCEN.

REFERENCE OR OFFICE SYMBOL HSWP-QHP		SUBJECT Research Protocol for Isotope named in the Application for Use of Radioactive Material Authorization # 557	
TO Health Physics Officer WRAMC		FROM H. Linton Wray, COL, MC	DATE 11 Dec 81 Wray/1mm/6-3845 CMT 1
a. <u>Principal User:</u> H. Linton Wray, COL, MC		<u>Telephone Number</u> 576-3845/46	<u>Authorization No.</u> 557
b. <u>Investigator & Auth #</u> -	c. <u>Trainee & Auth #</u> -	d. <u>Technician & Auth #</u> Vincent M. Butler 557	
e. <u>Radioisotope</u> 125 _I	<u>Physical/Chemical form</u> Iodinated RIA Reagents		<u>Maximum Quantity per Experiment (mCi)</u> 1 micro Ci
f. <u>Title of Project:</u> Multiple			<u>Maximum Quantity for Entire Project (mCi)</u> < 25 micro Ci/year
g. <u>Beginning Date:</u> 1971	h. <u>Ending Date:</u> ongoing	i. <u>Repetitive Study</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
j. <u>Life cycle of Radioisotope utilized for Research Procedure:</u> (1). Iodinated RIA reagents are delivered to Room 4760, Bldg 2, by two mechanisms. Reagents from commercial sources are delivered by Health Physics. Reagents from Room 365, bldg 40, under Authorization # 215, are delivered by Mr. Butler. The RIA tests are performed in Room 4760. Radioactive waste will be properly prepared and labeled and transported to the loading dock, Bldg 2 by Mr. Butler. (2). All radioactive solutions and waste will be identified by the proper label. Transport of radioactive material between authorized work areas will be conducted in a manner that precludes the spread of contamination and inadvertant exposure to non-participating personnel.			

k. Labelling and Transport of Radioactive Material

All radioactive solutions, tissues, animals and waste will be identified by proper label, in accordance with Health Physics Memo #3, #5, & #8. Transport of radioactive material between authorized work areas and waste disposal sites will be conducted in a manner that precludes the spread of contamination and inadvertent exposure to non-participating personnel.

l. Laboratory Animal Usage

Species None

Bldg # —

Room # —

m. Disposition of Animals

☒ Not Applicable

☐ Animals will be sacrificed and carcasses will be disposed of as radioactive waste

☐ Other (Specify)

n. Isotope Utilization Location

	Loc. #1	Loc. #2	Loc. #3	Loc. #4	Loc. #5
Bldg	2				
Room	4760				
Maximum Amt (mCi)	1 mCi				

o. Isotope Storage Location

Bldg 2 Room 4760 Maximum Amt (mCi) 1 mCi

(1) Biological: Bldg #

Room #

(2) All other: Bldg # 2

Room # 4760

☒ All radioactive waste will be transferred to the Health Physics collection point, WRAMC(Bldg 2 NMTF-Loading Dock)(1330 to 1430) of each week.

☐ All radioactive waste will be transferred to the Health Physics collection point, WRAIR (Room B079) Open everyday 1030 to 1130.

☐ All radioactive waste will be transferred to the Health Physics collection vehicle, WRAIR(Forest Glen Section) on Thursday (1330 to 1430) every other week.

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r. Room Survey

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s. Personnel Dosimetry

Whole Body ☒

Wrist Badge ☐

TLD Ring ☐

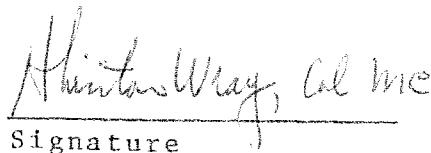
will be requested in accordance with Health Physics SOP #1-5. Assigned dosimetry monitors will be worn by all participating personnel.

t. Are there any significant non-radiation personnel hazards associated with experiments (Biological, Explosive, Toxic substances, High Intensity Optical sources, Microwave, or Electrical)?

☒ No

☐ Yes(Specify)

The research protocol enumerated above is designed to ensure that occupational radiation exposures and release of radioactive effluents to the environment will be "as low as reasonably achievable" (ALARA) during all phases of the research procedures.


Signature

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL

SUBJECT

L-HP

Expiration of WRAMC Radioactive Material Authorization

TO: COL Harvey Wray
Clin. Investigations
WRAMC

FROM: Health Physics Officer
WRAMC

DATE: 13 DEC 1989
Mr. Burton/acp/75104

CMT 1

1. WRAMC Radioactive Material Authorization No. 557 will expire in approximately ninety (90) days. If a properly completed application for renewal of the existing Authorization is received by this office thirty (30) days or more prior to the expiration date, the existing Authorization shall not expire until a final determination has been made on the renewal application.

2. If you desire to terminate your Authorization, please advise this office of your intent by placing a check mark (✓) in the appropriate box provided below. Sign the Principal User's signature block and return the original copy of the signed statement to this office.

3. Attached to this DF is an Authorization Renewal Packet containing all forms needed to renew your Authorization. All applications for renewal must include one (1) each of the following:

- Completed copy of the application form
- Updated Training and Experience form for each individual listed as Principal User or Co-Worker
- A Research Protocol form (if enclosed)

4. All questions regarding this communication should be directed to the Chief, RMC Branch, Health Physics Office, WRAMC, Tel: 427-5104/5161.

David W. Burton

Enc 1

DAVID W. BURTON
DAC
C, Radioactive Material Branch

HS HL-HP

TO: Health Physics Office, WRAMC
ATTN: Chief, RMC Branch

FROM: C, DCI

DATE: 31 Jan 90 CMT 2

- It is requested that WRAMC Radioactive Material Authorization No. 557 be cancelled.
- Radioactive materials listed on the current Authorization will be:

- | | |
|-------------------------------------|---|
| <input type="checkbox"/> | Transferred to WRAMC Health Physics Office for disposal as radioactive waste |
| <input checked="" type="checkbox"/> | Transferred to WRAMC Health Physics Office for reassignment to WRAMC Radioactive Material Authorization No. <u>511</u> (Dr. W. E. Duncanson, Dr. D. E. Nichols) |
| <input checked="" type="checkbox"/> | I do not possess any radioactive materials and therefore no transfer procedures are required. |

Col. H. Wray MD Rm 511

H. Wray MD 31 Jan 1990
NAME/RANK DATE
H. Wray MD

DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is TAGO.

REFERENCE OR OFFICE SYMBOL

SUBJECT

HSHL-HP

Expiration of WRAMC Radioactive Material Authorization

TO COL Harvey Wray
Clin. Investigations
WRAMC

FROM Health Physics Officer
WRAMC

DATE 13 DEC 1989
Mr. Burton/acp/75104

CMT 1

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2. If you desire to terminate your Authorization, please advise this office of your intent by placing a check mark (✓) in the appropriate box provided below. Sign the Principal User's signature block and return the original copy of the signed statement to this office.

3. Attached to this DF is an Authorization Renewal Packet containing all forms needed to renew your Authorization. All applications for renewal must include one (1) each of the following:

- Completed copy of the application form
- Updated Training and Experience form for each individual listed as Principal User or Co-Worker
- A Research Protocol form (if enclosed)

4. All questions regarding this communication should be directed to the Chief, RMC Branch, Health Physics Office, WRAMC, Tel: 427-5104/5161.

David W. Burton

Encl

DAVID W. BURTON

DAC

C, Radioactive Material Branch

HSHL-HP

TO: Health Physics Office, WRAMC FROM: C, DCI
ATTN: Chief, RMC Branch
Bldg 188, Forest Glen

DATE: 31 Jan 90 CMT 2

1. It is requested that WRAMC Radioactive Material Authorization No. 557 be cancelled.

2. Radioactive materials listed on the current Authorization will be:

- ☐ Transferred to WRAMC Health Physics Office for disposal as radioactive waste
- ☒ Transferred to WRAMC Health Physics Office for reassignment to WRAMC Radioactive Material Authorization No. 511 (DR. W. E. DOWEN, DR. D. E. NICHOLSON)
- ☒ I do not possess any radioactive materials and therefore no transfer procedures are required.

C. E. H. Burton 511

H. Linton Wray, MD 31 Jan 1990
NAME/RANK DATE
H. Linton Wray MD re-mailed 23 Mar 90

HSHL-H-HP (385-11m)

MAY 30 1990

MEMORANDUM FOR COL Harvey Wrey, Clinical Investigations, WRAMC

SUBJECT: Authorizations 557 and 511



PETER H. MYERS

LTC, MS

Chief, Health Physics Office

This Application is given
interim approval until the
next meeting of the RCC
which is scheduled for: AUG 90

APPROVED BY
RCC

AUG 16 1990

DATE

DATE: 28 MAR 90

Authorization Review Process
Branch Input

Auth # 557, 511

	A	B	COMMENTS
1	X	DNB	
2	NA	DNB	
3	NA	DNB	
4	NA	DKC	
5	X	NA	4742 is cold room (check for room final) 4742 Transferred to 511; 4760 already on 511
6	X	eg	
7	X	DNB	Duncan, D. Nicholson? (on 615) called 11 Apr
8	NA	DNB	T&E Transferred from 557
9	NA	DNB	
10	X	eg	
11	X	eg	
12			
13			
14			
15			

Index of Numbers and Symbols used above:

- (1) - Forms (WRMC 1661R, 1662R, 1643) (Completed/typed)
- (2) - Protocol (Required for: 3-H, 32-P, 125-I, 131-I, and all others deemed necessary by - amounts, activity, or use. (Reference NBS Handbook #92)
- (3) - Isotopes (within limits for NRC License/personnel qualifications)
- (4) - OPS Branch room pre-survey
- (5) - OPS Branch room final survey
- (6) - TS Branch instrumentation assignment
- (7) - Training - WRMC Form 538 (Completed by users annually)
- (8) - Training - WRMC Form 1643 (Training and Experience Form)
- (9) - Fort Detrick - Auth#'s 541, 518, 519, 520, 521
- (10) - TS Branch Bioassay
- (11) - TS Branch Personnel dosimetry

- (A) - (X) when complete, (C) when pending, and (P) when pending completed
- (B) - Initial of branch representative when complete or pending issues are resolved
- (C) - Comments

Rec 10 JUN 1986

APPLICATION FOR AUTHORIZATION TO USE RADIOACTIVE MATERIAL -- NON-HUMAN USE

1. APPLICATION FOR:	NEW AUTHORIZATION	<input checked="" type="checkbox"/> RENEWAL OF AUTHORIZATION NUMBER	AMENDMENT TO AUTHORIZATION NUMBER
		557	

2. APPLICANT'S NAME (Last, First, MI) (Principal User)	3. APPLICANT'S MAILING ADDRESS (Include Organization)
WRAY, H. Linton, COL, MC	Dept Clinical Investigation
TELEPHONE NUMBER	Building 2, Room 6337 (WRAMC)
576-1391 / 2441	HSHL-CI

(IF MORE SPACE IS NEEDED FOR ANY ITEM, USE ADDITIONAL PROPERLY KEYED PAGES.)

4. List all CO-WORKERS	5. List all TRAINEES	6. List all TECHNICIANS
Duncan, William E., MAJ, MC		Dawson, Ethelbert GS-11
		Butler, Vincent M. GS-09
		Whitehead, Donna GS-09
		Sheldon, Gerald M., SFC

APPROVED BY
RCC

09 JUN 1987

DATE

This Application is given interim approval until the next meeting of the RCC which is scheduled for: MAY 1987

7. LOCATIONS WHERE MATERIAL WILL BE USED: (Building and Associated Rooms)
Bldg 2, Rms. 4760, 4742

8. LOCATIONS WHERE MATERIAL WILL
Bldg 2, Rms 4760, 4742

9. RADIOACTIVE WASTE DISPOSAL SINK
None

A. RADIOSOTOPE	B. CHEMICAL AND/OR (Sealed or Unsealed)		
3-H	Nucleotides, Vi liquid, unsealed		
14-C	Same as above		
125-I	Sodium Iodide, RIA reagents, Li		
45-Ca	Calcium Chloride	10 mCi	In Vitro binding assays
32-P	Nucleotides	5 mCi	Biochemical assays
	Deleted as per phon. conv.	19 Feb 87	

4760 already on 511
4742 not on another Auth
WRAY sending DF to cancel
Auth 557

Auth expired

CERTIFICATE

(This item must be completed by applicant)

I certify that this application is prepared in conformity with WRAMC Regulations and that all information contained herein, including any supplements attached hereto, is true and correct to the best of my knowledge and belief.

11. I ACKNOWLEDGE MY RESPONSIBILITIES AS PRINCIPAL USER AS DEFINED	12. ADMINISTRATIVE APPROVAL
--	-----------------------------

DATE: 10 June 86
557

Authorization Review Process
Branch Input.

Auth # 557 Col. Wray

	A	B	COMMENTS
1	X	JEH	P-32 deleted as per Phn Cn 19 Feb 87
2	X	DMB	Need P-32 Protocol, called 30 July - he will send, reminder 14 Sept 86, Blank form sent 22 Sept 86
3	X	JEH	
4	X	JEH	
5	X	JEH	
6	NA	DH	
7	NA	DH	
8			
9			
10	NA	DH	
11	X	DH	
12			
13			
14			
15			

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 - (2) - Protocol (Required for: 3-H, 32-P, 125-I, 131-I, and all others deemed necessary by - amounts, activity, or use. (Reference NBS Handbook #92)
 - (3) - Isotopes (within limits for NRC License/personnel qualifications)
 - (4) - OPS Branch room pre-survey
 - (5) - OPS Branch room final survey
 - (6) - TS Branch instrumentation assignment
 - (7) - Training - WRMC Form 538 (Completed by users annually)
 - (8) - Training - WRMC Form 1643 (Training and Experience Form)
 - (9) - Fort Detrick - Auth's 541, 618, 619, 620, 621
 - (10) - TS Branch Bioassay
 - (11) - TS Branch Personnel dosimetry
- (A) - (X) when complete, (O) when pending, and () when pending completed
- (B) - Initial of branch representative when complete or pending issues are resolved
- (C) - Comments

WRAMC
Audit of Radioactive Material
(In accordance with AR 40-37 & 40-61)

24 Jan 90

Inspector: C. Collins Date: 17 Jan 90 Auth# 557

1. DA form 3862 [NO] [YES]
2. Within limits [NO] [YES]
3. Inventory Control Officer: Mr. Vincent Butler
Room: Bldg 2 Rm 4760 4760
4. WRAMC Regulation 40-10 [NO] [YES]
5. WRAMC Authorization on hand [NO] [YES]
6. General Provisions - Terms & Conditions [NO] [YES]
7. LSC - Source No. & Location: N/A
8. WRAMC form 538 - current [NO] [YES]
9. Sink log [NO] [YES] N/A
10. Signs & Labels: OK
11. Personnel [Additions] [Deletions]
Donna Whitehead
12. General Comments: COL Wray plans to terminate
AUTH pending DF

Principal User: Mr. V. Butler Authorized Representative:

Vincent Butler 1/24/90
Signature Date

HSHL-H-HP

FEB 01 1990

MEMORANDUM FOR Clinical Invest, ATTN: COL Wray, WRAMC

SUBJECT: Authorization 557

Peter H. Myers

PETER H. MYERS
LTC, MS
Health Physics Officer

This Application is given
interim approval until the
next meeting of the RCC
which is scheduled for: MAR 90

APPROVED BY
RCC

MAR 01 1990

DATE

DATE: 24 Jan 90

Authorization Review Process
Branch Input

Auth # 557

	A	B	COMMENTS
1	X	DMB	Delete Whitehead
2	NA	DMB	
3	NA	DMB	
4	NA	DRC	
5	NA	DRC	
6	NA	AD	
7	X	AD	
8	NA	DMB	
9	NA	DMB	
10	NA	AD	
11	NA	AD	
12			
13			
14			
15			

Index of Numbers and Symbols used above:

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- (2) - Protocol (Required for: 3-H, 32-P, 125-I, 131-I, and all others deemed necessary by - amounts, activity, or use. (Reference NBS Handbook #92)
- (3) - Isotopes (within limits for NRC License/personnel qualifications)
- (4) - OPS Branch room pre-survey
- (5) - OPS Branch room final survey
- (6) - TS Branch instrumentation assignment
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- (8) - Training - WRAMC Form 1643 (Training and Experience Form)
- (9) - Fort Detrick - Auth#'s 541, 618, 619, 620, 621
- (10) - TS Branch Bioassay
- (11) - TS Branch Personnel dosimetry

- (A) - (X) when complete, (O) when pending, and () when pending completed
- (B) - Initial of branch representative when complete or pending issues are resolved
- (C) - Comments

WRAMC
Audit of Radioactive Material
(In accordance with AR 40-37 & 40-61)

Inspector: Chiquita Collins Date: 1/21/88 Auth# 557

1. DA form 3862 [NO] (YES)
2. Within limits [NO] (YES)
3. Inventory Control Officer: Mr. Vincent Butler (COL L. Wray P.U.)
Room: Bldg 2 Rm 4760
4. WRAMC Regulation 40-10 [NO] (YES)
5. WRAMC Authorization on hand [NO] (YES)
6. General Provisions - Terms & Conditions [NO] (YES)
7. LSC - Source No. & Location: N/A
8. WRAMC form 538 - current [NO] (YES)
9. Sink log [NO] [YES] N/A
10. Signs & Labels: OK
11. Personnel [Additions] [Deletions]
Delete: Gerald Sheldon, Ethelbert Dawson
12. General Comments: _____

Principal User: Vincent Butler Authorized Representative:

Signature

Date

Added to database
approved 8 Feb 88

10 FEB 1988

This Application is given
interim approval until the
next meeting of the REC MAY 1988
which is scheduled for:

HL-HP
SUBJECT: Authorization 557

TO COL Wray
Clin Invest
WRAMC

FROM Health Physics Office DATE 10 FEB 1988 CMT 2
WRAMC Mr. Burton/pdc/75104

This Application is given
interim approval until the
next meeting of the RCC MAY 1988
which is scheduled for:.....

Gerald M. Connock
GERALD M. CONNOCK
MAJ, MS
Health Physics Officer

APPROVED BY
RCC

07 JUN 1988

DATE

DATE: 8 Feb 88

Authorization Review Process
Branch Input

Auth #

	A	B	COMMENTS
1	X	DMB	
2	NA	DMB	
3	NA	DMB	
4	NA	DMB	
5	NA	DMB	
6	NA	DMB	
7	X	DMB	
8	NA	DMB	
9	NA	DMB	
10	NA	DMB	
11	NA	DMB	
12			
13			
14			
15			

Index of Numbers and Symbols used above:

- (1) - Forms (WRAMC 1661R, 1662R, 1643) (Completed/typed)
 - (2) - Protocol (Required for: 3-H, 32-P, 125-I, 131-I, and all others deemed necessary by - amounts, activity, or use. (Reference NBS Handbook #92)
 - (3) - Isotopes (within limits for NRC License/personnel qualifications)
 - (4) - OPS Branch room pre-survey
 - (5) - OPS Branch room final survey
 - (6) - TS Branch instrumentation assignment
 - (7) - Training - WRAMC Form 538 (Completed by users annually)
 - (8) - Training - WRAMC Form 1643 (Training and Experience Form)
 - (9) - Fort Detrick - Auth#'s 541, 618, 619, 620, 621
 - (10) - TS Branch Bioassay
 - (11) - TS Branch Personnel dosimetry
- (A) - (X) when complete, (0) when pending, and () when pending completed
 - (B) - Initial of branch representative when complete or pending issues are resolved
 - (C) - Comments

01/08/90

AUTHORIZATION ISOTOPE INVENTORY

HPO TAG NUMBER	CHEMICAL FORM	DATE RECEIVED	ORIGINAL ACTIVITY IN MILLICURIES	NEW ACTIVITY IN MILLICURIES
AUTH 557				

* Subsubtotal *

** Subtotal **

*** Total ***

0.0000

0.0000

0.0000

1/24/90 - Vincent Butler

AUTHORIZATION ISOTOPE INVENTORY

HPO TAG NUMBER	PURCHASE ORDER & CALL NUMBER	DATE RECEIVED	ORIGINAL ACTIVITY IN MILLICURIES	NEW ACTIVITY IN MILLICURIES
=====	=====	=====	=====	=====
* Subsubtotal *			0.0000	
** Subtotal **			0.0000	
*** Total ***			0.0000	

Vincent Butler

AUTHORIZATION ISOTOPE INVENTORY

HPO TAG NUMBER	PURCHASE ORDER & CALL NUMBER	DATE RECEIVED	ORIGINAL ACTIVITY IN MILLICURIES	NEW ACTIVITY IN MILLICURIES
<u>Audit 7/11/89</u>	<u>1/12/89</u>	<u>Anth 557</u>		
* Subsubtotal *			0.0000	
** Subtotal **			0.0000	
*** Total ***			0.0000	

Vincent Butta 1/12/89

AUTHORIZATION ISOTOPE INVENTORY

HPO TAG NUMBER	PURCHASE ORDER & CALL NUMBER	DATE RECEIVED	ORIGINAL ACTIVITY IN MILLICURIES	NEW ACTIVITY IN MILLICURIES
=====	=====	=====	=====	=====

Auth 557

* Subsubtotal *

0.0000

** Subtotal **

0.0000

*** Total ***

0.0000

Audit 7/13/88 Omci on hand

(1)

CONTROLLED SUBSTANCES STOCK RECORD

For use of this form, see AR 40-2; the proponent agency is Office of The Surgeon General.

STOCK NUMBER			DESCRIPTION						
			I-125						
			Clinical Investigation, NMTF						
			08-01738-02/557						
UNIT AS RECEIVED			CONVERSION FACTOR			ACCOUNTABLE UNIT			
DATE	DEBIT (Receipts)	DEBIT (VO.) OR CREDIT (RX) NO.	CREDIT (Expenditures)	BALANCE ON HAND	DATE	DEBIT (Receipts)	DEBIT (VO.) OR CREDIT (RX) NO.	CREDIT (Expenditures)	BALANCE ON HAND
11 May 79	.012 mCi	DADA 1579 M5173	20609	.012 mCi	15 APR 81	0.024 mCi	DADA 1581 M3097	23902	
18 May 79	1.5 mCi	AA0145 5021	20648	1.512 mCi	2 Jul 81	.012 mCi	DA0A 1581 M3097	24265	
23 May 79	.012 mCi	DADA 1579 M5173	20671	1.524 mCi	26 Aug 81	.024 mCi	DAMD 1781 M3097	24532	
25 May 79	2 mCi	AA0145 5021	20690	3.524 mCi	15 JAN 82	.024 mCi	DADA 1582 M9787	25129	
2 June 79	.012 mCi	DA0A 1579 M5173	20775	3.536 mCi	12 MAR 82	.024 mCi	DA0A 1581 M9787	25372	
1 Aug 79	.012 mCi	DA0A 1579 M5173	20982		10 May 82	.01 mCi	DA0A 1581 M9787	25662	
14 Sept 79	.012 mCi	DA0A 1579 M5173	21191		3 Sept 82	.024 mCi	DA0A 1581 M9787	26170	
8 Nov 79	.02 mCi	DA0A 1580 F0723	21459		27 Oct 82	.048 mCi	DADA 1581 M9787	26389	
3 Jan 80	.02 mCi	DADA 1580 F0723	21680		4 Feb 83	.02 mCi	DA0A 1583 M9893	26757	
28 APR 80	0.012 mCi	DADA 1580 F6723	22246		20 APR 83	.006 mCi	DA0A 1583 M7299	27060	
30 APR 80	0.006 mCi	DADA 1580 F4235	22258		13 Jul 83	.02 mCi	DADA 1583 M7299	27375	
21 May 80	.012 mCi	DA0A 1580 F4235	22377		20 Jul 83	.03 mCi	DA0A 1583 M6547	27400	
2 July 80	0.012 mCi	DADA 1580 F4235	22587		4 Nov 83	.006 mCi	DA0A 1583 M7299	27786	
26 Oct 80	.024 mCi	DA0A 1580 F4235	22997		16 May 85	0.003 mCi	DADA 1585W 909Y	30220	00480
6 Nov 80	0.004 mCi	DADA 1580 F4235	23167		4 Feb 86	0.0015	DADA 1586 M4414	31301	4A995
3 FEB 81	2.505 mCi	DADA 1581 M2803	23517		14 Apr 86	0.0015	DADA 1586 M6854	31627	456825
11 FEB 81	0.012 mCi	DADA 1581 M3097	23566		26 JUN 86	0.003 mCi	DADA 1586 M8876	32053	

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(AR 40-2)

I-125 Clinical Investigation
08-01738-02 / 557

CONVERSION FACTOR

ACCOUNTABLE UNIT	
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(AR 40-2)

☆U.S. Government Printing Office: 1981-341-646/8316

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STOCK NUMBER

DESCRIPTION

P-32
Clinical Investigation, N.M.T.F.
08-01738-02/557

UNIT AS RECEIVED

CONVERSION FACTOR

ACCOUNTABLE UNIT	
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[illegible]

1

CONTROLLED SUBSTANCES STOCK RECORD

For use of this form, see AR 40-2; the proponent agency is Office of The Surgeon General.

STOCK NUMBER		DESCRIPTION							
UNIT AS RECEIVED		CONVERSION FACTOR			ACCOUNTABLE UNIT				
DATE	DEBIT (Receipts)	DEBIT (VO.) OR CREDIT (RX) NO.	CREDIT (Expenditures)	BALANCE ON HAND	DATE	DEBIT (Receipts)	DEBIT (VO.) OR CREDIT (RX) NO.	CREDIT (Expenditures)	BALANCE ON HAND
2 May 79	.025 mCi	DADA 1579 F5897	20564	.025 mCi					
2 May 79	.25 mCi	DADA 1579 F5614	20565	.275 mCi					
31 May 79	.25 mCi	DADA 1579 F5614	20710	.525 mCi					
21 Jun 79	.025 mCi	DAOA 1579 F5897	20796	.550 mCi					
14 Aug 79	.0025 mCi	DAOA 1579 AA0220	21033						
24 Aug 79	.0025	DAOA 1579 F5897	21061						
28 Aug 79	.25 mCi	DAOA 1579 F5614	21095						
13 Sept 79	.005 mCi	DAOA 1579 F5897	21180						
14 Nov 79	.25 mCi	DAOA 1579 AA0220	21481						
22 July 80	0.002 mCi	DADA 1580 F9127	22673						
24 July 80	1.1 mCi	DADA 1580 F9127	22688						
19 JAN 81	0.0025 mCi	DADA 1580 F9127	23451						
18 NOV 81	.01 mCi	DADA 1582 F2271	24896						