



ICI Americas Inc.

Applicant... 000066
 Check No...
 Amount/Fee Category... \$120/3L
 Type of Fee... Amendment
 Date Check Rec'd... 3/29/85
 Received By... Brown

WILMINGTON, DELAWARE 19897
 (302) 575-3000

March 11, 1985

RECEIVED BY LFMB	
Date...	3/29/85
Leg...	March 17 I
By...	Brown
Orig. To...	
Action Compl...	4/1/85

Dr. John E. Glenn, Chief
 Nuclear Materials Section
 United States Nuclear Regulatory
 Commission Region I
 631 Park Avenue
 King of Prussia, PA 19406

Dear Dr. Glenn:

The Stuart Pharmaceuticals Division of ICI Americas currently uses two different bioassays to monitor employee exposure to I-125. The type of bioassay conducted is determined by the quantity of material handled. Individuals conducting iodinations are required to submit to thyroid radioiodine uptake measurements and thyroid-stimulation hormone (TSH) levels. The uptake measurements are conducted within 72 hours following the potential exposure. TSH levels are determined on all I-125 users on a quarterly basis.

Since implementing the uptake measurement program, the ICIA Medical Department has evaluated both systems and has determined that the uptake measurement provides greater sensitivity in monitoring employee exposure to I-125. The site physician has recommended that uptake measurements be conducted on all I-125 users and the TSH program be terminated. Based on this recommendation, I would like to amend the Stuart license (#07-0399-01) to reflect thyroid uptake measurements as our bioassay program for all I-125 users and terminate the TSH program.

The thyroid uptake measurements will be conducted on a quarterly basis on all I-125 users who have handled I-125 during that quarter. If an employee has not handled I-125 during the quarter, they will be required to sign a statement to that effect, and they will be exempt from the uptake measurements for that quarter. The uptake measurements will be conducted by:

Delaware Nuclear Medicine, Inc.
 330 Christiana Medical Center
 Newark, Delaware 19702
 N.C.R. License #07-16167-01

Enclosed please find a check in the amount of \$120.00 for the amendment fee.

8505290706 850507
 REG1 LIC30
 07-03990-01 PDR

Sincerely,

D. H. Irwin

D. H. Irwin
 Radiation Safety Officer

03576

DHI:plg
 WIG01031185plg02

"OFFICIAL RECORD COPY"

ML10

MAR 21 1985

BETWEEN: William O. Miller, Chief
License Fee Management Branch
Office of Administration

John E. Glenn, Chief
Nuclear Materials Section B
Division of Engineering and
Technical Programs

LICENSE FEE TRANSMITTAL

A. REGION 1

1. APPLICATION ATTACHED

Applicant/Licensee: ICI Americas, Inc.

Application Dated: 3/11/85

Control No.: 03576

License No.: 07-03990-01

2. FEE ATTACHED

Amount: \$120.00

Check No.: 0000661

3. COMMENTS

Signed Brenda P. Latchek

Date 3/26/85

10/31/89
3L
B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: 3L \$120

2. Correct Fee Paid. Application may be processed for:

Amendment ✓

Renewal _____

License _____

Signed Frances Brown

Date 3/29/85 109
4/1/85