

REGION II  
Calendar Year 2001

TRANSMITTAL FOR NRC FORM 241 & REVISION SUBMITTALS

3/14/01

[ ☒ ] INITIAL 241 PACKAGE

LRN 000586

[ ☐ ] REVISION

LRN \_\_\_\_\_

[ ☐ ] CLARIFICATION

LRN \_\_\_\_\_

LICENSEE NAME : Certified Testing Laboratories

LICENSE STATE : FL NUMBER : 2332-1

CHECK NO: 1549

CHECK AMOUNT: \$ 1200.00

FORWARDED BY: James Kirby

	Initial	Revision	Clarification
includes: Form 241	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fee	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
License Copy	<input checked="" type="checkbox"/>		

LICENSE FEE & ACCOUNT RECEIVABLE BRANCH

1. Fee Category and Amount: \_\_\_\_\_
2. Correct Fee Paid. Submittal may be processed for:

General License \_\_\_\_\_

Revision \_\_\_\_\_

Signed \_\_\_\_\_ Date \_\_\_\_\_



# *Certified Testing Laboratories*

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7252 Narcoossee Road  
Orlando, FL 32822  
407-384-7744  
Fax: 407-384-7751

## **FAX TRANSMISSION COVER SHEET**

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**Date:** March 13, 2001  
**To:** JANICE H. KIRBY Nuclear Materials Safety Section U.S. Nuclear Regulatory Commission Region II  
**Fax:** 404-562-4955  
**Re:** report of proposed activities in agreement state  
**Sender:** William R. Blakely, RSO C.T.L.

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*YOU SHOULD RECEIVE 8 PAGE(S), INCLUDING THIS COVER SHEET. IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL 407-384-7744.*

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Following please find:

1. Completed NCR form 241
2. State of Florida Radioactive Material License for Certified Testing Laboratories, Inc. #2323-1, expiration 1-31-2003
3. Copy of check #1549 in the amount of \$1200.00

Please process as soon as possible and FAX signed NRC form 241 back to me at 407-384-7751.

Comprehensive Health Services at Kennedy Space Center will not proceed with our approval until received.

Four (4) copies of NRC form 241, four (4) copies of Florida Radioactive Material License and the check will be mailed today.

Thank you for your prompt reply,

*William R. Blakely*

William R. Blakely RSO

**STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
BUREAU OF RADIATION CONTROL**

**RADIOACTIVE MATERIALS LICENSE**

Pursuant to Chapter 404, Florida Statutes, and Chapter 64E-5, Florida Administrative Code (F.A.C.), and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to receive, acquire, possess and transfer the radioactive material(s) designated below and to use such radioactive material(s) for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the state of Florida, Department of Health now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. Name: <b>CERTIFIED TESTING LABORTORIES, INC.</b></p>	<p>3. License Number: <b>2332-1</b></p> <p>is hereby renewed in its entirety, with reference to application dated February 18, 1998</p>
<p>2. Address: <b>7252 Narcoossee Road Orlando, FL 32822</b></p>	<p>4. Expiration Date: <b>1/31/2003</b></p> <p>5. Category: <b>3D</b></p>

6.	Radioactive material (element and mass number)	7.	Chemical and/or physical form	8.	Maximum quantity licensee may possess at any one time
A.	Cobalt 60	A.	Sealed source [Amersham Corp. (AC) Model A424-13]	A.	2 sources; not to exceed 100 curies each
B.	Cobalt 60	B.	Sealed source (AC Model A424-14)	B.	2 sources; not to exceed 100 curies each
C.	Iridium 192	C.	Sealed source [AC Model A424-9, Industrial Nuclear Co. (INC) Model 7, or Source Production and Equipment Cop. (SPEC) Model T-5 or T-5F]	C.	No single source to exceed 100 curies; see Condition 21
D.	Iridium 192	D.	Sealed source [CIS-US, Inc. (formerly RTS Tech., Inc.) Model 702]	D.	No single source to exceed 100 curies; see Condition 21

License Number: 2332-1  
 Amendment No.: 22  
 Control Number: 980220-0210

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BUREAU OF RADIATION CONTROL

6. Radioactive material (element and mass number)	7. Chemical and/or physical form	8. Maximum quantity licensee may possess at any one time
E. Iridium 192	E. Sealed source (AC Model A424-9, INC Model 7, or SPEC Model T-5 or T-5F)	E. No single source to exceed 100 curies; see Condition 21
F. Iridium 192	F. Sealed source [CIS-US, Inc. (formerly RTS Tech., Inc.) Model 702]	F. No single source to exceed 100 curies; see Condition 21
G. Iridium 192	G. Sealed source (AC Models 87703, INC Model 32, or SPEC Model G-40F or G-40T)	G. No single source to exceed 100 curies; see Condition 21
H. Iridium 192	H. Sealed source (SPEC Model SPEC G-60)	H. No single source to exceed 100 curies; see Condition 21
I. Iridium 192	I. Sealed source (AC Model 89912, INC Model 8 or 88, or SPEC Model G-1, G-1F, G-3 or G-3F)	I. 1 source not to exceed 200 curies

9. Authorized Use
A. For use in AC Model 676, 676 A, 676 B or 676 BE radiographic exposure devices for industrial radiography, and in AC Model 770 or 771 source changers for source exchanges and storage.
B. For use in AC Model 680 A, 680 AE, 680 B or 680 BE radiographic exposure devices for industrial radiography, and in AC Model 770 or 771 source changers for source exchanges and storage.
C. For use in AC Model 660 A or 660 AE radiographic exposure devices for industrial radiography, and in AC 650L, INC Model IR-50, or SPEC Model C-1 source changers for source exchanges and storage.
D. For use in AC Model 660 A or 660 AE radiographic exposure devices for industrial radiography, and in INC Model IR-50 source changers for source exchanges and storage.

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9. Authorized Use (continued)

- E. For use in AC Model 660 B or 660 BE radiographic exposure devices for industrial radiography, and in AC 650L, INC Model IR-50, or SPEC Model C-1 source changers for source exchanges and storage.
- F. For use in AC Model 660 B or 660 BE radiographic exposure devices for industrial radiography, and in INC Model IR-50 source changers for source exchanges and storage.
- G. For use in INC Model IR-100 radiographic exposure devices for industrial radiography, and in AC Model 650L, INC Model IR-50 or SPEC Model C-1 source changers for source exchanges and storage.
- H. For use in SPEC Model SPEC 150 radiographic exposure devices for industrial radiography, and in SPEC Model C-1 source changers for source exchanges and storage.
- I. For storage only in a SPEC Model SPEC 2T radiographic exposure device or in a SPEC Model C-1 source changer.

CONDITIONS

- 10. The authorized places of use and storage are the licensee's facility located at the address listed in Item 2 and at temporary job sites of the licensee throughout the state of Florida. This condition does not prohibit use in other agreement states and states under the jurisdiction of the U.S. Nuclear Regulatory Commission (NRC) under reciprocity, which has been approved by an agreement state or the NRC.
- 11. Failure to comply with the provisions of this license is a felony of the third degree pursuant to section 404.161, Florida Statutes. Also, violations may warrant an administrative fine of up to \$1,000.00 per violation per day, pursuant to section 404.162, Florida Statutes.
- 12.
  - A. Licensed material shall only be used by radiographers or radiographer's assistants that have successfully completed the training program described in the licensee's application dated February 18, 1998, and in correspondence listed in Condition 22. Records of all training shall be available for inspection by the department.
  - B. The radiation safety officer is William R. Blakely.
- 13. The licensee shall comply with the provisions of Chapter 64E-5, F.A.C., Part IX, "Notices, Instructions and Reports to Workers; Inspections" and Part III, "Standards for Protection Against Radiation."
- 14. The licensee shall not transfer possession or control of radioactive material, or products containing radioactive material as a contaminant except:
  - A. By transfer to a specifically licensed recipient; or

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- B. As provided otherwise by specific provision of this license pursuant to the requirements of Chapter 64E-5, F.A.C.
15. Radioactive material transported on public thoroughfares shall be packaged, prepared for shipment and transported in accordance with Title 49, Code of Federal Regulations and Chapter 64E-5, F.A.C.
  16. Sealed sources containing licensed material shall not be opened.
  17. The licensee shall assure that each sealed source is tested for leakage or contamination and follow the appropriate actions as required by section 64E-5.406, F.A.C. Licensed material shall be tested at least semiannually. The test sample (smear) shall be taken by the licensee using an approved leak test kit. Analysis of the test sample shall be performed by individuals who are licensed by the department, NRC, agreement state, or licensing state to provide these services. The licensee is required to retain leak test records containing the manufacturer's name, model and serial number of each sealed source tested, identity of each sealed source radionuclide and its estimated activity, the measured activity of each test sample expressed in microcuries, the date of the test and signature of the radiation safety officer or designee. The records shall be maintained for 3 years for inspection by the department.
  18. The licensee shall conduct a physical inventory and inspection at least quarterly to account for all sealed sources received and possessed under this license as required by section 64E-5.407, F.A.C. Inventory records shall be maintained for 2 years from the date of the inventory for inspection by the department, and shall include the manufacturer's name, model and serial numbers of each sealed source, the identity of each sealed source radionuclide and its estimated activity, the location of each sealed source, the date of the inventory and the signature of the radiation safety officer or designee.
  19. The licensee is authorized to receive, possess and use sealed sources of cobalt 60 and iridium 192 where the activity exceeds the maximum amount of radioactivity specified in Item 8 of this license provided:
    - A. Such possession does not exceed the quantity per source specified in Item 8 by more than 10 percent for cobalt 60 or 20 percent for iridium 192;
    - B. Records of the licensee show that no more than the maximum amount of radioactivity per source specified in Item 8 of this license was ordered from the supplier or transferor of the radioactive material; and
    - C. Radiation levels for radiographic exposure devices and source changers do not exceed those specified in Chapter 64E-5, F.A.C.

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20. The licensee is authorized to possess, use and transfer up to 999 kilograms (2197.8 pounds avoirdupois) of uranium contained as shielding material in the radiographic exposure devices and source changers authorized by this license.
21. The licensee shall not possess at any one time in excess of a total of 9 devices (radiographic exposure devices and source changers) loaded with iridium 192 sealed sources. Devices may be of any one type or any compatible combination of those authorized in Items 6, 7, 8 and 9, Subitems C through H.
22. A. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, 8, and 9 of this license in accordance with statements, representations and procedures contained in the licensee's application dated February 18, 1998, signed by William R. Blakely, Radiation Safety Officer, and correspondence dated April 6, 1998, signed by William R. Blakely, Radiation Safety Officer.
- B. The licensee shall comply with all applicable requirements of Chapter 64E-5, Florida Administrative Code, and these regulations shall supersede the licensee's statements in applications or correspondence, unless the statements are more restrictive than the regulations.

For the Bureau of Radiation Control:

Issuance Date: APR 22 1998

  
Debbie Bray Gilley  
Environmental Manager  
1317 Winewood Boulevard  
Tallahassee, FL 32399-0700  
(850) 487-2437

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