



P-3

February 18, 2005

U.S. Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

Attention: Kathy Modes

RE: License Number 29-14150-01 03012145

Dear Ms. Modes:

We request the following changes/additions to our license.

1. Please add the CPN MC-3 portaprobe density guage to our license. We already posses one of these gauges (S/N 6938).
2. We are changing our O & E Manual to read that we would only need to post ropes with signs when the restricted area is uncontrollable or blocked from view. Otherwise posting signs is sufficient. We would like your approval on this matter.
3. Please remove Item 6-B from our license due to the fact that it has been disposed of. (See attached disposal document.)

Thank you for your prompt attention to the matter.

Respectfully submitted;
CERTIFIED TESTING LABORATORIES, INC.

Darryl Schultz
NDE Manager

DS/pah

136493
NMSS/RGNI MATERIALS-002

Isotopes Inventory{RA226,Amer241&CS137}

Serial Number	Model #	Manufacturer	Isotope	Activity	Leak Test Due	Office	Inventory Due
6536	3411B	Troxler	CS137/Amer241	8mci / 40mci	5/1/2005	N.J	5/1/2005
7064	3411B	Troxler	CS137/Amer241	8mci / 40mci	5/1/2005	N.J	5/1/2005
11327	3411B	Troxler	CS137/Amer241	8mci / 40mci	5/1/2005	N.J	5/1/2005
14708	3411B	Troxler	CS137/Amer241	8mci / 40mci	5/1/2005	N.J	5/1/2005
15568	3440	Troxler	CS137/Amer241	8mci / 40mci	5/1/2005	N.J	5/1/2005
16220	3411B	Troxler	CS137/Amer241	8mci / 40mci	5/1/2005	N.J	5/1/2005
21428	3430	Troxler	CS137/Amer241	8mci / 40mci	5/1/2005	N.J	5/1/2005
21927	3430	Troxler	CS137/Amer241	8mci / 40mci	5/1/2005	N.J	5/1/2005
6938	mc3	cpm	CS137/Amer241	8mci/40mci	5/1/2005	N.J	5/1/2005
3484	C75	Seaman	RA226	4.5mci	8/17/2005	Bethlehem	5/17/2005
7102	C75A	Seaman	RA226	4.5mci	8/17/2005	Bethlehem	5/17/2005
7476	C75A	Seaman	RA226	4.5mci	8/17/2005	Bethlehem	5/17/2005
7290	C75A	Seaman	RA226	4.5mci	8/17/2005	Bethlehem	5/17/2005
7292	C75A	Seaman	RA226	4.5mci	8/17/2005	Bethlehem	5/17/2005
7308	C75A	Seaman	RA226	4.5mci	8/17/2005	Bethlehem	5/17/2005
7316	C75A	Seaman	RA226	4.5mci	8/17/2005	Bethlehem	5/17/2005
7378	C75A	Seaman	RA226	4.5mci	8/17/2005	Bethlehem	5/17/2005
7550	C75A	Seaman	RA226	4.5mci	8/17/2005	Bethlehem	5/17/2005
7058	C-75	Seaman	RA226	4.5mci	8/17/2005	Bethlehem	5/17/2005
7172	C-75	Seaman	RA226	4.5mci	8/17/2005	Bethlehem	5/17/2005
3478 broken	C-75	Seaman	RA226	4.5mci	8/17/2005	Bethlehem	5/17/2005

CPN MC-3 PORTAPROBE®

Operating Manual

CPN International, Inc.

2830 Howe Road

Martinez, California 94553 USA

Telephone (925) 258-9770

Fax (925) 228-3183

August 25, 1999

Functional Description

The CPN MC-3 PORTAPROBE® operates by emitting radiation from two safety-sealed radioactive sources:

- Cesium-137, a gamma emitter for density measurement
- Americium-241:Beryllium, a neutron emitter for moisture measurement.

To determine density, the Cesium-137 source emits gamma radiation into the test material. Some of the gamma radiation will pass through the material and be detected by the Geiger-Mueller detectors located within the CPN MC-3. A material of low density will give a high count per time of test. A material of high density will give a low count for the same period of time, as the high-density material absorbs more gamma radiation.

To determine moisture content, the Americium-241:Beryllium source emits neutron radiation into the test material. The high-energy neutrons are moderated by collision with hydrogen atoms in the moisture of the material. Only low-energy, moderated neutrons are detected by the Helium-3 detector. A material that is wet will give a high count per time of test. A material that is dry will give a low count for the same period of time.

The old way in our O.E.E

- position to the "connect" position. The storage cover can then be removed from the projector.
- e. Slide the control cable collar back and open the jaws of the cable connector. Turn the crank in the exposure direction to push the connector ball approximately 4" to 5" out of the control cable collar.
 - f. Depress the spring loaded locking pin in the "female" portion of the swivel connector projecting out of the projector with your thumbnail. Slide in the "male" ball end.
 - g. Release the pin and test the connection by pulling and jiggling the swivel connector. Close the jaws of the control cable connection and slide the control cable collar over the connector jaws.
 - h. Slowly turn the crank in the "retract" direction and slide the control cable collar into the projector connector. Holding the control cable collar flush against the projector connector, rotate the selector ring to the "lock" position. Keep the projector in the "lock" position until you are ready to operate the projector.
8. When the film is placed, all boundaries of the restricted area are to be posted with "Caution - Radiation Area" warning signs and roped off. "Caution - High Radiation Area" warning signs are to be placed near the collimator. The restricted area is to be cleared of all unmonitored personnel. You are now ready to make the exposure.
9. Operate the projector as follows:
- a. Survey 360 degrees around the projector to get your reference reading.
 - b. Unlock the projector connector and rotate the selector ring to the "operate" position. Push the posi-lock to the left so the red markings are visible. The source is now free to move.
 - c. Make a visual survey of the area.
 - d. Place one survey meter next to the crank. It should be on the X1 scale. Rapidly turn the crank handle in the "expose" direction until you feel the source reach the collimator or snout end. It is a good idea to count the number of turns made with the crank handle. Observe the survey meter when cranking to follow the source travel from the projector through the guide tubes and into the collimator or snout.
10. Should the source not totally extend into the snout or collimator or if cranking becomes difficult at any time, proceed as follows:
- a. Reverse the direction of cranking to return the source completely back to its stored position in the projector.

The new way in our OEP manual

- position to the "connect" position. The storage cover can then be removed from the projector.
- e. Slide the control cable collar back and open the jaws of the cable connector. Turn the crank in the exposure direction to push the connector ball approximately 4" to 5" out of the control cable collar.
 - f. Depress the spring loaded locking pin in the "female" portion of the swivel connector projecting out of the projector with your thumbnail. Slide in the "male" ball end.
 - g. Release the pin and test the connection by pulling and jiggling the swivel connector. Close the jaws of the control cable connection and slide the control cable collar over the connector jaws.
 - h. Slowly turn the crank in the "retract" direction and slide the control cable collar into the projector connector. Holding the control cable collar flush against the projector connector, rotate the selector ring to the "lock" position. Keep the projector in the "lock" position until you are ready to operate the projector.
8. When the film is placed, all boundaries of the restricted area are to be posted with "Caution - Radiation Area" warning signs. For areas that are uncontrollable or blocked from view, ropes will be used in conjunction with warning signs. "Caution - High Radiation Area" warning signs are to be placed near the collimator. The restricted area is to be cleared of all unmonitored personnel. You are now ready to make the exposure.
9. Operate the projector as follows:
- a. Survey 360 degrees around the projector to get your reference reading.
 - b. Unlock the projector connector and rotate the selector ring to the "operate" position. Push the posi-lock to the left so the red markings are visible. The source is now free to move.
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- a. Reverse the direction of cranking to return the source completely back to its stored position in the projector.

DISPOSAL Record

AMERSHAM CORPORATION
SENTINEL DIVISION
40 NORTH AVE
B. LINGTON, MA 01803
FAX: (617) 273-2216

PAGE 1

RECEIVING REPORT

R-009063

Wht: 1

RMA NUMBER:
DATE RECEIVED: 7/03/95

Mail To

Received From

CERTIFIED TESTING LAB
2623 ROBERTS AVE
ATTN: RICHARD ZOLOUM
BRONX

NY 10461

CERTIFIED TESTING LAB
2623 ROBERTS AVE
ATTN: RICHARD ZOLOUM
BRONX

NY 10461

CARRIER: FEDERAL EXPRESS

FREIGHT BILL #: 3224814574

PREPAID

MODEL: CPMISC

CUSTOMER PROPERTY -MISC.-
CUSTOMER PROPERTY

SERIAL: 104

SALES ORDER:

CUSTOMER: 1133100

OVER PACK SN:

ISOTOPE: CESIUM-137

Model#

Serial#

Activity

N/A

N/A

50.0 MILICURIES

SURFACE RADIATION: 100 mr/hr

TRANSPORT INDEX: .1 mr/hr

REMOVABLE CONTAMINATION LEVEL IS < .001 uCi

COMMENTS

GAMMA CALIBRATOR S/N 104
MODEL 64-764

This form is to acknowledge that the materials listed above were received by
AMERSHAM CORPORATION. Please save this for your files.

RECEIVED BY: *[Signature]*

This is to acknowledge the receipt of your letter/application dated

2/18/2005, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Amendment 29-14150-01
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 136493.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03320
Status Code: 0
Fee Category: 30 2B
Exp. Date: 20110630
Fee Comments: _____
Decom Fin Assur Reqd: N
.....

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: CERTIFIED TESTING LABS., INC.
Received Date: 20050218
Docket No: 3012145
Control No.: 136493
License No.: 29-14150-01
Action Type: Amendment

2. FEE ATTACHED

Amount: /
Check No.: /

3. COMMENTS

Signed *Robert J. Ford*
Date 2/22/2005

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__ /)

1. Fee Category and Amount: _____

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

Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____