

NUCLEAR CONTAINMENT SYSTEMS, INC.
4555 GROVES ROAD • NO. 41/42 • COLUMBUS, OHIO 43232 • 614-864-7613

April 9, 1986

U. S. Nuclear Regulatory Commission, Region III
Materials Licensing Section
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Ref: NRC Lic. 34-13610-02

Gentlemen,

Nuclear Containment Systems, Inc. requests that it's NRC License 34-13610-02, Expiration Date 5/31/86 be renewed. No changes in our present license are requested.

Enclosed please find our check in the amount of \$460.00 to cover the cost of processing our renewal request. If you have any questions regarding our application please contact me at 614-864-7613.

Very Truly Yours



John R. Pearson
Vice President
Nuclear Containment Systems, Inc.

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34-13610-02 PDR

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Amount	341301
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Notes	APR 17

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CONTROL NO. 81080

June 8, 1984

U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Attention: B.J. Holt
Reference: Control No. 76411

Dear Ms. Holt,

In response to your letter of March 30, 1984, we offer the following information:

- 1) Maintenance and repair of the detector cell, Model 200-EC, and replacement and disposal of sealed sources containing radioactive material used in this device shall be performed only by persons holding a specific radioactive materials license to provide these services.
- 2a) The portable gas chromatograph units containing the Model 200-ec detector cell shall be used only by, or under the supervision of, Fred D. Leckie, Charles C. Myers, John R. Hunt or John R. Pearson at temporary job sites.
- b) In the unlikely event of an accident involving damage to or loss of the model 200-ec detector cell the above responsible individual will notify the manufacturer holding the general license. This individual will also contact the nearest office of agency having regulatory responsibility for by product material, and report circumstance of damage or loss, description of detector, ie: model number, serial number and type and quantity of nuclide contained in detector.

We trust this information is satisfactory for proceeding with our amendment for specific License Number 34-13610-02.

Should you have any questions, please let us know, as we would like to have this processed as soon as possible.

Sincerely yours,

Charles C. Myers
Charles C. Myers
Nuclear Containment Systems, Inc.

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MAR 30 1984

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Nuclear Containment Systems, Inc.
ATTN: John R. Pearson
4555 Groves Road - No. 41
Columbus, OH 43227

Gentlemen:

We are in receipt of your letter dated February 27, 1984 requesting authorization on your specific License (No. 34-13610-02) for electron capture detectors, manufactured by System, Science and Software and containing 300 millicuries of hydrogen-3. The following information is needed in support of your request:

1. Procedures for cleaning detector cells and for replacing the titanium tritide foils. If these services will be performed by the device manufacturer, please so state.
2. Radiation safety and emergency procedures that will be followed if the detector cells are transported to and used at temporary job sites. These procedures should include the following:
 - a) Means of preventing unauthorized access, use or removal of the devices during transport and during use and storage at temporary job sites.
 - b) Emergency procedures to be followed in the event of an accident involving damage to or loss of the detector cells.
 - c) Specific instructions to users regarding maintenance (cleaning, foil replacement, etc.) of the detector cells.

We will continue the review of your request upon receipt of this information. Please reply in duplicate and reference Control No. 76411.

Per the request of Fred Leckie, please find enclosed a copy of the NRC Registration Sheet for the Model 200-EC Electron Capture Detector. We've also enclosed a copy of 10 CFR Parts 30 and 31. You may be particularly interested in Sections 30.41(b)(5) and 31.5.

Sincerely,

~~8408200427~~ 840716
NMS LIC30
34-13610-02 PDR

B. J. Holt
Materials Licensing Section

Encl: Registration Sheet
10 CFR Parts 30 and 31

RIII

Holt/bm *68*
03/28/84 *3/28/84*

NUCLEAR CONTAINMENT SYSTEMS, INC.
 4555 GROVES ROAD - No. 41 COLUMBUS, OHIO 43227 614-864-7613

February 27, 1984

20-17940

U.S. Nuclear Regulatory Commission
 Material Licensing Section
 799 Roosevelt Road
 Glen Ellyn, Illinois 60137

Dear Sir,

Nuclear Containment Systems, Inc. requests that its NRC License No. 34-13610-02 be amended to include the possession of a gas chromatograph with the following specifications:

Isotope: Hydrogen-3
 Detector: Model 200 EC
 Manufactured by S-Cubed, La Jolla, California
 Gas Chromatograph: Model LMP-10
 Manufactured by S-Cubed, La Jolla, California
 Maximum Activity: 300 mci H³ per instrument

Nuclear Containment Systems, Inc. agrees to use the above Gas Chromatograph in accordance with all terms and conditions of its existing license.

Enclosed please find a check in the amount of forty dollars (\$40.00) to cover the cost of processing this amendment.

Should you have any questions concerning this request, please contact me at 614-864-7618.

Sincerely yours,

John R. Pearson
 John R. Pearson
 Nuclear Containment Systems, Inc.

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Date	3/9/84
Log	mar 8 440
By	Cop
Orig. To	3/9/84
Action Compl.	Cop

Applicant	
Check No.	4316
Amount	\$40.00
Date	3/20/84
Received By	Cop

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REGION III

Control No. 76411

MAR 5 1984

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 NMS LIC30
 34-13610-02 PDR

DEPARTMENT OF HEALTH SERVICES

714/744 P STREET
SACRAMENTO, CA 95814

(916) 445-0931

April 3, 1984



Nuclear Containment Systems
Attn: Fred Leckie, President
4555 Groves Road, No. 41
Columbus, Ohio 43232

RE: AUTHORIZATION FOR POSSESSION OF G.L. DEVICES

Dear Mr. Leckie:

This letter is written to confirm the possession and use of S-CUBED devices containing 300 millicuries of Hydrogen-3 in Model 200-EC electron capture detectors is authorized pursuant to 17 CAC 30192(c)(1) [10 CPR Part 31.5]. As you are aware, the above described devices can only be transferred to individuals by the manufacturer under the California License No. 3152-80 GL. No individual, specifically licensed or not, may appropriate the device without mutual consent of the two parties concerned. If such appropriation does occur, it becomes a civic matter under local jurisdictions.

If you have questions, please contact me at the number shown above.

Sincerely,

Original signed by

Ben R. Kapel
Health Physicist
Radioactive Materials Licensing
Radiologic Health Branch

cc/ United States Nuclear Regulatory
Commission, Region III
Attn: B. J. Holt, Licensing
799 Roosevelt Road
Glen Ellyn, Illinois, 60137

BRK:hc

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