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CoPhysics Corporation
1242 Route 208, Monroe, NY 10950
845-783-4402 800-641-7444
Facsimile: 845-783-7191
www.cophysics.com

June 27, 2001

US Nuclear Regulatory Commission, Region I
Licensing Assistance Section
Nuclear Materials Safety Branch
475 Allendale Road
King of Prussia, Pa. 19406-1415

To Whom It May Concern:

Enclosed please find Form 241 for proposed work at Stepan Company in Maywood, NJ, 4 copies of our agreement state (NY) license (re condition 6G), and a check for the license fee (\$1200.00). Form 241 and our license were faxed to you earlier today.

We will be providing health physics support for the client's minor excavation operations during digging of gas or electrical lines, foundation footings, etc. into soils potentially contaminated with thorium. The work will be sporadic, on a "as needed" basis. Handling or use of contaminated soils will be performed under specific Radiation Work Permits and their associated training, PPE, and monitoring requirements. Work will be supervised by the license authorized radioactive materials user, Theodore E. Rahon, who is certified by the American Board of Health Physics.

We will await your verbal or faxed approval to begin operations. Thank you for your assistance.

Sincerely,

Theodore E. Rahon, Ph.D., CHP
President

cc Clayton Bradht, NYS Dept. of Labor
Walter Hill, Engineering Supervisor, Stepan Co.
Henry Morton, CHP, Stepan Health Physics Consultant

FAX REC'd 06/27/01

REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES

(Please read the instructions on the cover sheet before completing this form.)

Estimated burden per response to comply with this mandatory information collection request: 16 minutes. This notification is required so that NRC may schedule inspection of the activities to ensure that they are conducted in accordance with requirements for protection of the public health and safety. Forward comments regarding burden estimate to the Information and Records Management Branch (T-6 F33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0013), Office of Management and Budget, Washington, DC 20503. NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below) <i>CoPhysics Corp.</i>		2. TYPE OF REPORT <input checked="" type="checkbox"/> INITIAL <input type="checkbox"/> REVISION <input type="checkbox"/> CLARIFICATION	3. CONTROL NUMBER (Leave Blank -- Number to be assigned by NRC) <i>001027</i>
4. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located) <i>1242 Route 208 Monroe, NY 10950</i>		5. LICENSEE CONTACT <i>Theodore E. Rahon, President</i>	
		6. TELEPHONE NUMBER (Include Area Code) <i>845-783-4402</i>	7. FACSIMILE NUMBER (Include Area Code) <i>845-783-7191</i>

8. ACTIVITIES TO BE CONDUCTED IN NON-AGREEMENT STATES UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20

WELL LOGGING	LEAK TESTING AND/OR CALIBRATIONS	TELETHERAPY/IRRADIATOR SERVICE
PORTABLE GAUGES	OTHER (Specify) <i>Small excavations into thorium-contaminated soil for utilities, footings & testing.</i>	
RADIOGRAPHY →	TRANSPORTATION QA PROGRAM APPROVAL NO. & REV. NO. <i>N/A</i>	REGISTERED AS USER OF PACKAGINGS (CERTIFICATES OF COMPLIANCE NOS.) <i>N/A</i>

9. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE <i>Stepan Company 100 West Hunter Ave. Maywood, NJ. 07607</i>	10. WORK LOCATION ADDRESS (Street and Number or other location. Give as complete an address or directions as possible.) <i>see 9</i>
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11. CLIENT TELEPHONE NUMBER (Include Area Code) <i>201-712-7651</i>	12. WORK LOCATION TECHNICIAN AUTHORIZED TO PERFORM WORK <i>Theodore E. Rahon</i>	13. WORK LOCATION TELEPHONE NUMBER (Include Area Code) <i>201-712-7651</i>
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14. DATES SCHEDULED		15. NUMBER OF WORK DAYS	16. LOCATION REFERENCE NUMBER
FROM <i>7/3/01</i>	TO <i>12/31/01</i>	<i>~10</i>	LEAVE BLANK FOR INITIAL NRC FORM 241 REQUESTS NUMBER TO BE ASSIGNED BY NRC

LIST ADDITIONAL WORK SITES ON SEPARATE SHEET TO INCLUDE ALL INFORMATION CONTAINED IN ITEMS 9-16 ABOVE.

17. LIST RADIOACTIVE MATERIAL, WHICH WILL BE POSSESSED, USED, INSTALLED, SERVICED, OR TESTED IN NON-AGREEMENT STATES.
(Include description of type and quantity of radioactive material, sealed sources, or devices to be used.)
natural thorium in soil to be excavated & containerized.

18. AGREEMENT STATE SPECIFIC LICENSE WHICH AUTHORIZES THE UNDERSIGNED TO CONDUCT ACTIVITIES WHICH ARE THE SAME, EXCEPT FOR LOCATION OF USE, AS SPECIFIED IN ITEM 8. ABOVE. (Four copies of the specific license must accompany the initial NRC Form 241.)

LICENSE NUMBER <i>2691-3949</i>	STATE <i>NY</i>	EXPIRATION DATE <i>7/31/01 (renewed)</i>	TOTAL USAGE DAYS TO DATE <i>180</i>
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19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT:

- All information in this report is true and complete.
- I have read and understand the provision of the general license 10 CFR 150.20 reprinted on the cover sheet of this form set; and I understand that I am required to comply with these provisions as to all byproduct, source, or special nuclear material which I possess and use in non-Agreement States or offshore waters under the general license for which this report is filed with the U.S. Nuclear Regulatory Commission.
- I understand that activities, including storage, conducted in non-Agreement States under general license 10 CFR 150.20 are limited to a total of 180 days in calendar year.
- I understand that I may be inspected by NRC at the above listed work site locations and at the Licensee home office address for activities performed in non-Agreement States or offshore waters. I am also aware that I will be responsible for any fees associated with such inspections.
- I understand that conduct of any activities not described above, including conduct of activities on dates or locations different from those described above or without NRC authorization, may subject me to enforcement action, including civil or criminal penalties.

CERTIFYING OFFICER -- RSO or Management Representative (Typed/Printed Name and Title) <i>Theodore E. Rahon, President</i>	SIGNATURE <i>Theodore E. Rahon</i>	DATE <i>6/27/01</i>
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WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

FOR NRC USE ONLY	AUTHORIZING OFFICIAL (Typed/Printed Name and Title) <i>ELIZABETH ULLRICH</i>	SIGNATURE <i>Elling</i>	DATE <i>7/2/01</i>
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STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

RADIOACTIVE MATERIALS LICENSE

DL 98-147

Page 1 of 3 Page(s)

PURSUANT TO THE LABOR LAW AND INDUSTRIAL CODE RULE 38, AND IN RELIANCE ON STATEMENTS AND REPRESENTATIONS HERETOFORE MADE BY THE LICENSEE DESIGNATED BELOW. A LICENSE IS HEREBY ISSUED AUTHORIZING SUCH LICENSEE TO RECEIVE, POSSESS, USE AND TRANSFER 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 NOW OR HEREAFTER IN EFFECT OF ALL APPROPRIATE REGULATORY AGENCIES AND TO ANY CONDITIONS SPECIFIED BELOW.

1. NAME OF LICENSEE CoPhysics Corporation	3. LICENSE NUMBER 2691-3949
	4. EXPIRATION DATE July 31, 2001
2. ADDRESS OF LICENSEE 33 Crystal Run Road Middletown, New York 10940	5a. REFERENCE No. 2
	b. AMENDMENT N -1-

6. RADIOACTIVE MATERIALS (element in mass number)	7. CHEMICAL AND/OR PHYSICAL FORM	8. MAXIMUM QUANTITY LICENSEE MAY POSSESS AT ANY ONE TIME
A. Nickel 63	A. Sealed source (Perkin-Elmer 330-0119, and Hewlett-Packard L4013)	A. 90 millicuries
B. Europium 152	B. Sealed source	B. 0.1 millicurie
C. Atomic numbers 84 through 98	C. Any	C. 100 microcuries per nuclide and 1 millicurie total
D. Atomic numbers 1 through 98	D. Any	D. 100 microcuries per sample
E. Atomic numbers 1 through 83	E. Any	E. 10 millicuries per nuclide, and 100 millicuries total
F. Cesium 137	F. Sealed Source (Any source authorized for use in a J.L. Shepherd and Associates Sub-Model 28-6 Instrument Calibrator, as specified in the Registry of Radioactive Sealed Sources and Devices, Safety Evaluation for the calibrator)	F. 1.2 curies in one source
G. Any	G. Any	G. As necessary
H. Source Material	H. Any	H. As limited by 12 NYCRR Part 38, Section 38.41, Table 3, Item (d)



RADIOACTIVE MATERIALS LICENSE

Page 2 of 3 Pages

3. License Number 2691-3949

5a. Ref. No. 2

b. Amend. No. -1-

9. Authorized use:

Condition 6.A.

In electron capture cells for gas chromatography.

Condition 6.B.

Calibration sources.

Condition 6.C.

As reference standards for calibration and testing of instruments.

Condition 6.D.

As test media for analysis. Test media containing more than 10 microcuries per sample shall be handled in accordance with procedures contained in documents referenced in Condition 16 of the license. The licensee shall notify the Department within seven (7) days of any analysis that indicates a sample exceeding the activity specified in Condition 8.D.

Condition 6.E.

As reference standards for calibration and testing of instruments.

Condition 6.F.

In a J.L. Shepherd and Associates Sub-Model 28-6 Instrument Calibrator.

Condition 6.G.

Handling at client sites for the purpose of decontamination and decommissioning (D & D) pursuant to criteria and procedures contained in documents referenced in Condition 16 of the license. D & D projects subject to prior approval by this office shall be submitted for review at least thirty (30) days prior to the start of each project.

Condition 6.H.

As authorized in 12 NYCRR Part 38, Section 38.41, Table 3, Item (d)

10. a. Licensed radioactive materials in Conditions 6.A. through 6.F., shall be stored and used at the address specified in Condition 2.
- b. Materials authorized in Conditions 6.B., 6.C., 6.D., 6.E., and 6.G., may also be used at client sites anywhere in New York State where the Department of Labor has jurisdiction.
11. a. Licensed material shall be used by, or under the direct supervision of, Theodore E. Rahon, Ph.D. (Radiation Safety Officer).
- b. Licensed material may be used by James Dictrich.



STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

RADIOACTIVE MATERIALS LICENSE

Page 3 of 3 Pages

3. License Number 2691-3949

5a. Ref. No. 2

b. Amend. No. -1-

12. Detector Cells containing licensed material shall not be opened, or Foils removed from the Detector Cells by the licensee.
13. The licensee is not authorized to repair, affect any changes in the Detector Cells or modify or alter labels affixed thereto, except as otherwise approved by the Department.
14. The licensee shall conduct a physical inventory every six (6) months to account for all sources received and possessed under the License. The records of the inventories shall be maintained for three (3) years from the date of the inventory for inspection by the Department, and shall include the quantities and kinds of licensed material, Manufacturer's Name and Model No., location of the sources, the date of the inventory and the name of the person who performed it.
15. The licensee is authorized to provide leak test and instrument calibration services on a commercial basis for other State or U.S. Nuclear Regulatory Commission licensees.
16. Except as specifically provided otherwise in this License, the licensee shall conduct its program in accordance with the statements, representation and procedures contained in the documents, including any enclosures, listed below. The Department's Regulations shall govern, unless the statements, representation and procedures in the licensee's application and correspondence are more restrictive than the Regulations.
 - A. Application dated June 27, 1995, and signed by Theodore E. Rahon, Ph.D.
 - B. Amendment application dated January 12, 1996, signed by Theodore E. Rahon, Ph.D.
 - C. Letter dated March 4, 1996, signed by Theodore E. Rahon, Ph.D.
 - D. Letter dated February 18, 1997, signed by Theodore E. Rahon, Ph.D.
 - E. License Renewal Request dated May 26, 1998, signed by Theodore E. Rahon, Ph.D.
 - F. Letter dated June 26, 1998, signed by Theodore E. Rahon, Ph.D.

James J. McGowan
COMMISSIONER OF LABOR

DATE: July 20, 1998
RA/fdh

by: Rita Aldrich
Principal Radiophysicist



STATE OF NEW YORK DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
RADIOLOGICAL HEALTH UNIT
State Office Campus
Building 12 - Rm. 169
Albany, NY 12240
(518) 457-1202

DATE: *May 31, 2001*

COPHYSICS CORPORATION
1242 ROUTE 208
MONROE NY 10950

Attn: Theodore Rahon

LICENSE NUMBER:

2691-3949

ACKNOWLEDGEMENT OF A TIMELY LICENSE RENEWAL

To Radioactive Materials License Holder

We have received your request for renewal of the above referenced Radioactive Materials License and the required fee.

Since the request is deemed timely, your license will continue in effect until the renewal process is completed by the Department.

This acknowledgement does not preclude the Department from asking that further information or documentation be submitted in support of the license renewal.