

APPROVED BY OMB: NO. 3150-0013 EXPIRES: 08/31/2005
Estimated burden per response to comply with this mandatory collection request: 15 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. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0013), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES, AREAS OF EXCLUSIVE FEDERAL JURISDICTION, OR OFFSHORE WATERS

(Please read the instructions before completing this form)

1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below)
CENTURION SYSTEMS

2. TYPE OF REPORT
 INITIAL REVISION CLARIFICATION

3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located)
**1304 EAST WENDOVER AVE
GREENSBORO, NC 27405**

4. LICENSEE CONTACT AND TITLE
HUGH P. LATHAM
5. TELEPHONE NUMBER (Include Area Code) **336 275 5740**
6. FACSIMILE NUMBER (Include Area Code) **336 275 9904**

7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20
 WELL LOGGING LEAK TESTING AND/OR CALIBRATIONS TETHERED/IRRADIATOR SERVICE
 PORTABLE GAUGES OTHER (Specify) ⇒ **DENSITY / BETA GAUGE**
 RADIOGRAPHY ⇒ REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)

8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE
**RICHWOOD INDUSTRIES
2700 BUCHANAN AVE
GRAND RAPIDS, MI 49548**

9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible.)
SAME
10. CLIENT TELEPHONE NUMBER (Include Area Code) **616 243 2700**
11. WORK LOCATION TELEPHONE NUMBER (Include Area Code) **SAME**

12. DATES SCHEDULED		13. NUMBER OF WORK DAYS	14. ADD	15. DELETE	16. LOCATION REFERENCE NUMBER
FROM	TO				NUMBER TO BE ASSIGNED BY NRC
10/21/03	10/23/03	3			001067

17. LIST ADDITIONAL WORK SITES ON SEPARATE SHEET(S) TO INCLUDE ALL INFORMATION CONTAINED IN ITEMS 9-16 ABOVE.
17. LIST RADIOACTIVE MATERIAL, WHICH WILL BE POSSESSED, USED, INSTALLED, SERVICED, OR TESTED (Include description of type and quantity of radioactive material, sealed sources, or devices to be used.)
KR-85

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 9 ABOVE. (Four copies of the specific license must accompany the initial NRC Form 241.)
LICENSE NUMBER **041-08971** STATE **NC** EXPIRATION DATE **7/2006**

19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)
I, THE UNDERSIGNED, HEREBY CERTIFY THAT:
a. All information in this report is true and complete.
b. I have read and understand the provision of the general license 10 CFR 150.20 reprinted on the instructions of this form; 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.
c. 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. With the exception of work conducted in off-shore waters, which is authorized for an unlimited period of time in the calendar year.
d. 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.
e. 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 (Name and Title) **HUGH P. LATHAM** SIGNATURE *Hugh P. Latham* DATE **10/15/03**

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 REVIEWING OFFICIAL (Typed/Printed Name and Title) SIGNATURE *JTD* DATE **10/16/2003** TOTAL USAGE - DAYS TO DATE **3**

@ 10/16/03



**RADIOACTIVE MATERIALS SECTION
DIVISION OF RADIATION PROTECTION
N. C. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES**

RADIOACTIVE MATERIALS LICENSE

Pursuant to North Carolina Regulations for Protection Against Radiation and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer, and import radioactive materials listed below; and use such radioactive material for the purpose(s) and at the place(s) designated below. This License is subject to all applicable rules and regulations of the North Carolina Department of Environment and Natural Resources now and hereafter in effect and to any conditions specified below.

Licensee		3. License No: 041-0897-1	
1. Name: Centurion Systems		4. Expiration Date: July 31, 2006	
2a. Mailing Address: 1304 East Wendover Avenue Greensboro, NC 27405		<input type="checkbox"/> New License	<input type="checkbox"/> Corrected Copy
b. Physical Address: 1304 East Wendover Avenue Greensboro, NC 27405		<input checked="" type="checkbox"/> Renewal	<input type="checkbox"/> Administrative
		5. Amendment No.: 12	
6. Radioactive Material (element and mass no.)	7. Chemical and/or Physical Form	8. Maximum Amount of Radioactivity and/Quantity of Radioactive Material which Licensee May Possess at Any One Time.	
A. Strontium 90	A. Sealed Sources	A. No single source to exceed 100 millicuries	
B. Krypton 85	B. Sealed Sources	B. No single source to exceed 1500 millicuries	
C. Promethium 147	C. Sealed Sources	C. No single source to exceed 500 millicuries	
D. Krypton 85	D. Sealed Sources	D. 900 millicuries (No single source to exceed 300 millicuries)	
9. Authorized Use:			
A. - C. To be used for repair, calibration, maintenance, installation, relocation and distribution of Fife Corporation, Da Measurements Corporation, LFE Corporation, Inc. and Indev Control Systems, Inc. beta gauges.			
D. To be used in research, development, and source manipulation experiments of the Webmaster 5000 industrial nuclear weight measurement system. Transfer to other persons is not allowed.			

CONDITIONS

10. Radioactive material may only be used at licensee's address stated in Item 2b. above and at temporary job-sites of the licensee anywhere in North Carolina. This condition does not prohibit use in the United States where the United States Nuclear Regulatory Commission maintains jurisdiction for regulating the use of radioactive material, nor in Agreement States under reciprocal procedures which may be established by the Nuclear Regulatory Commission or the respective Agreement States.
11. The licensee shall comply with the provisions of 15A NCAC 11 .1600 "Standards for Protection Against Radiation," and 15A NCAC 11 .1000 "Notices, Instructions, Reports and Inspections." (The North Carolina Regulations for Protection Against Radiation are contained in 15A NCAC 11.)
12. A. Radioactive material shall be used by Hugh P. Latham and Hugh Riggins.
B. The Radiation Safety Officer for the activities authorized by this license shall be Hugh P. Latham.

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**RADIOACTIVE MATERIALS SECTION
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N. C. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES**

RADIOACTIVE MATERIALS LICENSE

CONDITIONS (continued):

13. A. Each sealed source containing radioactive material, other than Hydrogen 3 with a half-life greater than thirty (30) days and any form other than gas, shall be tested for leakage and/or contamination at intervals not to exceed three (3) years, except that each source designed for the purpose of emitting alpha particles shall be tested at intervals not to exceed three (3) months. In the absence of a certificate from a transferor indicating that a test has been made within six (6) months prior to the transfer, the sealed source shall not be put into use until tested.
- B. Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak test when the source contains 100 microcuries or less of beta and/or gamma-emitting material or 10 microcuries or less of alpha-emitting material.
- C. Except for alpha sources, the periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six (6) months prior to the date of use or transfer.
- D. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the agency.
- E. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with agency regulations. A report shall be filed within five (5) days of the test with the Radioactive Materials Section, Division of Radiation Protection, Department of Environment and Natural Resources, 3825 Barrett Drive, Raleigh, N.C. 27609-7221, describing the equipment involved, the test results, and the corrective action taken.
- F. The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage at intervals not to exceed three (3) years and prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
- G. Tests for leakage and/or contamination shall be performed by persons specifically authorized by the agency to perform such services.
14. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders by the licensee.
15. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the agency and shall include the quantities and kinds of radioactive material, location of sealed sources, and the date of the inventory.
16. The device shall be tested for proper functioning of the ON-OFF mechanism, indicator and shutter control where applicable, at intervals not to exceed six (6) months. A record shall be made of this test and the results maintained for inspection by the agency.
17. The licensee may transport licensed material or deliver licensed material to a carrier for transport, in accordance with the provisions of Section 71.5, Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material For Transport."
18. No generally licensed device shall be installed by the licensee in such a manner or in such a location that any person could receive more than 0.5 rem in a calendar year under ordinary circumstances of use.
19. The licensee shall furnish to each general licensee to whom it transfers a generally licensed device, a copy of 15A NCAC 11 .0309.
20. Devices distributed under this license shall be installed by persons specifically licensed to perform this service.



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N. C. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES**

RADIOACTIVE MATERIALS LICENSE

CONDITIONS (continued):

21. After installation by the licensee of each device distributed to persons generally licensed pursuant to 15 NCAC 11 .0309, the licensee shall conduct a radiation survey and shall assure that the levels of radiation do not exceed those specified in the license authorizing the manufacture of the installed device. The licensee shall furnish the general license with a copy of the radiation survey report.
22. The licensee shall test each device distributed under this license for leakage or contamination of radioactive material and proper operation of the "on-off" mechanism and indicator, if any, at the time of installation of the device.
23. A. Each device distributed under this license shall be provided with the original label(s), or a facsimile thereof, which contains the statements:
 1. "The receipt, possession, use and transfer of this device, Model No. _____, Serial No. _____, are subject to general license or the equivalent and the regulations of the United States Nuclear Regulatory Commission or State with which the Nuclear Regulatory Commission has entered into an agreement for the exercise of regulatory authority." (Model and serial number may be omitted from this statement, provided they are elsewhere specified on labeling affixed to the device).
 2. "Abandonment or disposal prohibited unless transferred to persons specifically licensed by NRC or an Agreement State."
 3. "Operation prohibited if there is indication of failure of, or damage to, containment of radioactive material."
 4. "Installation, dismantling, relocation, repair, or testing shall be performed by persons specifically licensed by NRC or an Agreement State."
 5. "Device shall be tested for leakage of radioactive material and proper functioning of the ON-OFF mechanism and indicator, if any, at intervals."
- B. Each device shall also be provided with the original label, or a facsimile thereof, containing the radiation caution symbol in conventional colors, magenta or purple on yellow background, the words "CAUTION (or DANGER) - RADIOACTIVE MATERIAL", the identity and quantity of radioactive material and its date of measurement, and the name of the original distributor of the device. (If the name of the distributor appears on other labels affixed to the device, it may be omitted from labels required by this condition).
- C. Each device shall also be provided with a label containing the licensee name and address.
- D. Each label required by this condition shall contain the statement, "Removal of this label is prohibited."
24. A. The licensee shall report to the Radioactive Materials Section, Division of Radiation Protection, Department of Environment and Natural Resources, 3825 Barrett Drive, Raleigh, NC 27609-7221, all transfers of devices distributed under this license to persons generally licensed under 15A NCAC 11 .0309. Such report shall identify each general licensee by name and address, the type of device transferred, and the quantity and type of radioactive material contained in the device. The report shall be submitted within 30 days after the end of each calendar quarter in which any such device is transferred to a generally licensed person.
- B. Notwithstanding the above Condition, when the licensee transfers devices to generally licensed persons the same information required in Condition No. 22A must be submitted to the appropriate Nuclear Regulatory Commission Regional Office or Agreement States agency.
25. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 15A NCAC 11.0353 for establishing decommissioning financial assurance.
26. The licensee shall annually review its Radiation Protection Program for content and implementation [Ref. 15A NCAC 11 .160 (c)] Documentation of the Radiation Protection program reviews shall be retained for inspection by the agency [Ref. 15A NCAC 11 .163]



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CONDITIONS (continued):

27. The licensee shall institute the provisions of 15A NCAC 11 .1610 when an occupationally exposed woman voluntarily informs her supervisor, in writing, of her pregnancy and the estimated date of conception.
28. The licensee shall ensure that no individual "member of the public" [Reference: 15A NCAC 11 .0104(64)] receives a radiation dose in excess of the limits specified in 15A NCAC 11 .1611(a) while conducting licensed operations.
29. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Item 6., 7., and 8. of this license in accordance with statements, representations and procedures contained in:
 - A. Application with attachments dated June 29, 2001 signed by Hugh P. Latham, Owner and letters with attachments dated August 16, October 4 and 10, 2001.

Date of Issuance: October 26, 2001


For: Richard M. Fry, CHP
Director, Division of Radiation Protection