

APPROVED BY OMB: NO. 3150-0013 EXPIRES: 07/31/2
 Estimated burden per response to comply with this mandatory collection request: 15 minutes. This notification is required so that NRC 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 Reg. Management Branch (T-8 EB), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bje1@nrc.gov and to the Desk Officer, Office of Information and Regulatory Affairs, NE08-10202, (3150-0013), Office of Management and Budget, Washington, DC 20603. If a means used to impose an information collection does not display a currently valid OMB control number, 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)

Automation and Control Technology, Inc.

3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located)

650 Ackerman Road
 P.O. Box 82186
 Columbus, OH 43202

2. TYPE OF REPORT

INITIAL REVISION CLARIFICATION

4. LICENSEE CONTACT AND TITLE

Charles Bayles
 Radiation Safety Officer

5. TELEPHONE NUMBER (Include Area Code)

(614)-261-2581

6. FACSIMILE NUMBER (Include Area Code)

(614)-261-2834

7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20

- WELL LOGGING LEAK TESTING AND/OR CALIBRATIONS TELETHERAPY/IRRADIATOR SERVICE
 Install, remove, temporary storage,
 PORTABLE GAUGES OTHER (Specify) ⇒ transfer and testing associated with
 RADIOGRAPHY ⇒ REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)
 manufacture.

8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE

Anderson Machine Shop
 214 Ruthers Road
 Richmond, VA 23235

9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible.)

See Item 8.

10. CLIENT TELEPHONE NUMBER (Include Area Code)

(804)-276-3325

11. WORK LOCATION TELEPHONE NUMBER (Include Area Code)

(804) 272-5548

12. DATES SCHEDULED

FROM	TO
21 Jan 02	23 Jan 02

13. NUMBER OF WORK DAYS

14. ADD

15. DELETE

16. LOCATION REFERENCE NUMBER

NUMBER TO BE ASSIGNED BY NRC
 000092

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.)

ACT Model TG-5, Sealed Source and Device Registry No. OH-1090-D-001-B, containing 25mCi (0.925GBq), Sr-90.

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

0321425001

STATE

OH

EXPIRATION DATE

Oct 1, 2004

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 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.
- 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.
- 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 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)

Charles B. Bayles, RSO

SIGNATURE

Charles B. Bayles

DATE

01/11/02

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)

Doris C. Gonzalez/NMPA

SIGNATURE

Doris C. Gonzalez

DATE

01/23/02

TOTAL USAGE - DAYS TO DATE

**OHIO DEPARTMENT OF HEALTH
LICENSE FOR RADIOACTIVE MATERIAL**

Pursuant to Chapter 3748 of the Ohio Revised Code, and in reliance on statements and representations made by the licensee, a license is hereby issued authorizing the licensee named herein to receive, acquire, possess, and transfer radioactive material as designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the applications of Chapter 3748 of the Ohio Revised Code and all rules promulgated thereunder. This license shall be deemed to contain the conditions specified in rules 3701-38-021 and 3701-39-021 of the Ohio Administrative Code and is subject to all applicable rules, regulations and orders of the Ohio Department of Health now or hereinafter in effect and to any conditions specified below.

LICENSEE	LICENSE NUMBER
1. Automation and Control Technology, Inc.	3. 03214250001
2. 650 Ackerman Road P.O. Box 82186 Columbus, Ohio 43202-2186	EXPIRATION DATE
	4. October 1, 2004
	BUREAU DOCKET NUMBER
	5. FT06-09-99

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| <p>6. RADIOACTIVE MATERIAL</p> <p>A. STRONTIUM-90</p> <p>B. ANY RADIOACTIVE MATERIAL WITH ATOMIC NUMBERS 1 THROUGH 83</p> <p>C. RADIUM-226</p> <p>D. AMERICIUM-241</p> <p>E. CURIUM-244</p> | <p>7. CHEMICAL AND/OR PHYSICAL FORM</p> <p>A. SEALED SOURCES</p> <p>B. SEALED SOURCES</p> <p>C. SEALED SOURCES</p> <p>D. SEALED SOURCES</p> <p>E. SEALED SOURCES</p> | <p>8. MAXIMUM QUANTITY THAT LICENSEE MAY POSSESS AT ANY ONE TIME UNDER THIS LICENSE</p> <p>A. AS NEEDED. NO SINGLE SOURCE TO EXCEED THE MAXIMUM ACTIVITY SPECIFIED IN THE CERTIFICATE OF REGISTRATION ISSUED BY NRC, AN AGREEMENT STATE, OR UNREGISTERED SOURCES USED FOR RESEARCH</p> <p>B. AS NEEDED. NO SINGLE SOURCE TO EXCEED THE MAXIMUM ACTIVITY SPECIFIED IN THE CERTIFICATE OF REGISTRATION ISSUED BY NRC, AN AGREEMENT STATE, OR NARM LICENSING STATE, OR UNREGISTERED SOURCES USED FOR RESEARCH</p> <p>C. AS NEEDED. NO SINGLE SOURCE TO EXCEED THE MAXIMUM ACTIVITY SPECIFIED IN THE CERTIFICATE OF REGISTRATION ISSUED BY NRC, AN AGREEMENT STATE, OR NARM LICENSING STATE, OR UNREGISTERED SOURCES USED FOR RESEARCH</p> <p>D. AS NEEDED. NO SINGLE SOURCE TO EXCEED THE MAXIMUM ACTIVITY SPECIFIED IN THE CERTIFICATE OF REGISTRATION ISSUED BY NRC, AN AGREEMENT STATE, OR UNREGISTERED SOURCES USED FOR RESEARCH</p> <p>E. AS NEEDED. NO SINGLE SOURCE TO EXCEED THE MAXIMUM ACTIVITY SPECIFIED IN THE CERTIFICATE OF REGISTRATION ISSUED BY NRC, AN AGREEMENT STATE, OR UNREGISTERED SOURCES USED FOR RESEARCH</p> |
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|-----------------------------|------------------|---|
| F. ANY RADIOACTIVE MATERIAL | F. CHECK SOURCES | F. AS NEEDED. NO SINGLE SOURCE TO EXCEED 37 kBQ |
| G. ANY RADIOACTIVE MATERIAL | G. SAMPLES | G. AS NEEDED (SEE ITEM 9 G, BELOW) |

9. Authorized Use

- A - E For use and or possession in Automation and Control Technology, Inc. gauging devices, or other manufacturers gauging devices, incident to:
- (1) Manufacturing and testing.
 - (2) Research and development as defined in 10 CFR 30.4.
 - (3) Installation into or removal from devices.
 - (4) Installation, relocation, repair, and servicing as described in the licensee's "Field Radiological Procedures Manual" Revision date June 1999 or as current in accordance with license condition number 20 including, leak testing of sealed sources and radiation surveys of devices.
 - (5) Distribution in devices.
 - (6) Integration with ACT or other manufacturers gauging devices.
 - (7) Temporary storage, not to exceed three years (except americium-241, curium-244, and radium-226) of obsolete and/or unwanted sources and/or transfer to authorized users or licensed disposal agents.
- F. Check, calibration, and reference sources in accordance with application dated June 18, 1999
- G. Possession and analysis of samples incident to leak testing of sealed sources.

CONDITIONS

10. Licensed material may only be used at the licensee's facilities located at
 - A. 650 Ackerman Road, Columbus, Ohio 43202-2186
 - B. Temporary field locations throughout Ohio
11. The Radiation Safety Officer for this license is Charles B. Bayles
12. Licensed material shall be used by, or under the supervision of, individuals who have been trained in accordance with the correspondence listed in item 21 below.
13. All sealed sources that are used or acquired, except for prototypes and research sources, shall have been evaluated and approved by the U.S. Nuclear Regulatory Commission under the provisions of Title 10 CFR, Part 32.210, or an equivalent Agreement State or NARM licensing state regulation, prior to such use or acquisition.
14. A Pursuant to 10 CFR 30.41, the licensee is authorized to distribute Automation and Control Technology, Inc. sources and devices, other manufacturers' sources and devices containing sealed sources that have been registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation. These devices and sealed sources shall be distributed to persons authorized to receive the licensed material pursuant to the terms and conditions of specific licenses issued by the Director, the NRC, or an Agreement State.
 - B The licensee shall insure that all devices and sealed sources distributed to persons authorized to receive the licenses material pursuant to terms and conditions of specific licenses have been registered with the NRC Sealed Source and Device Registry and that the registration information is current and available for inspection.

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15. A. Pursuant to 10 CFR 32.51, the licensee is authorized to distribute Automation and Control Technology, Inc. sources and devices and other manufacturers' sources and devices containing sealed sources that have been registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation. These devices and sealed sources shall be distributed to persons generally licensed pursuant to 10 CFR 31.5 or equivalent provisions of the regulations of any Agreement State.
- B. The license shall insure that all devices and sealed sources distributed to persons generally licensed pursuant to 10 CFR 31.5 have been registered with the NRC Sealed Source and Device Registry and that the information is current and available for inspection.
- C. The licensee shall furnish to each general licensee to whom it transfers a device pursuant to the license, a copy of 10 CFR 31.5, 10 CFR 30.34, and 30.51 through 30.63; 10 CFR 20.2201, 20.2202, and Appendix D.
- D. 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.
- E. After installation by the licensee of each device distributed to persons generally licensed pursuant to 10 CFR 31.5, 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 manufacturing or distribution of the installed gauge. The licensee shall furnish the general licensee a copy of the radiation survey report.
16. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six (6) months.
- B. Notwithstanding paragraph A of this Condition, sealed sources designed to emit alpha particles shall be leak tested for leakage and/or contamination at intervals not to exceed three (3) months.
- C. In the absence of a certificate from a transferor indicating that a leak test has been made within the required leak test interval, a sealed source shall not be put into service until tested.
- D. Sealed sources need not be tested if:
1. They contain only tritium; or
 2. they contain only a radioactive gas; or
 3. the half-life of the isotope is 30 days or less; or
 4. they contain 3.7 MBq (100 μ Ci) or less of beta- or gamma-emitting, or 370 kBq (10 μ Ci) or less of alpha-emitting material; or
 5. they are in storage and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than ten years without being tested for leakage and/or contamination.
- E. The leak test shall be capable of detecting the presence of 185 Bq of radioactive material on the test sample. If the test reveals the presence of 185 Bq or more of removable contamination, a report shall be filed with the Ohio Department of Health, and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Ohio Department of Health regulations. The report shall be filed within five (5) days of the date the leak test result is known, with the Bureau of Radiation Protection - Ohio Department of Health, 246 N. High St., P.O. Box 118, Columbus, Ohio 43266-0118. The report shall specify the source involved, the test results, and corrective action taken.
- F. The licensee is authorized to collect leak test samples and perform analyses. Alternatively, leak tests may be performed by persons specifically licensed by the Director, the NRC, or an Agreement state to perform such services.
17. The licensee shall conduct a physical inventory every 6 months, or at another interval approved by the Director, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for at least 3 years from the date of each inventory, and shall include: the quantities and kinds of licensed material, manufacturer's name and serial and model numbers, location of the sources and/or devices, and the date of the inventory.
18. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material," as delineated in OAC Rule 3701-39-021
19. In addition to the possession limits in item 8, the licensee shall further restrict the possession of licensed materials to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

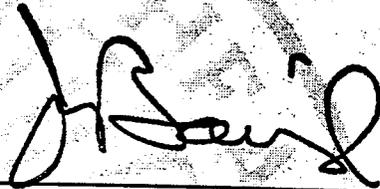
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20. The licensee may make ministerial changes to manuals referenced in License Condition No. 21 in accordance with the commitments listed in the application. The licensee shall maintain records of ministerial changes for inspection by the Director.
21. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Ohio Department of Health's statutes, rules, and orders shall govern unless statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - A. Application dated June 18, 1999 and
 - B. Letters dated May 15, 2000

FOR THE OHIO DEPARTMENT OF HEALTH

DATE: JUN 15 2000

BY: _____



Director, Ohio Department of Health

