

**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) <b>JAY CASHMAN, INC.</b>		2. TYPE OF REPORT <input checked="" type="checkbox"/> INITIAL <input type="checkbox"/> REVISION <input type="checkbox"/> CLARIFICATION	
3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located) <b>20 WEST HOWELL STREET BOSTON, MA 02125</b>		4. LICENSEE CONTACT AND TITLE <b>JAMES D'ANGELO X149</b>	
		5. TELEPHONE NUMBER (Include Area Code) <b>(617) 287-1600</b>	6. FACSIMILE NUMBER (Include Area Code) <b>(617) 288-4597</b>

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

PORTABLE GAUGES  OTHER (Specify) ⇒ \_\_\_\_\_

RADIOGRAPHY ⇒ REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)

8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE		9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible.) <b>1 MARITIME STREET PORT NEWARK, NJ</b>	
		10. CLIENT TELEPHONE NUMBER (Include Area Code)	11. WORK LOCATION TELEPHONE NUMBER (Include Area Code) <b>(973) 344-2390</b>

12. DATES SCHEDULED		13. NUMBER OF WORK DAYS	14. ADD	15. DELETE	16. LOCATION REFERENCE NUMBER
FROM <b>4/30/01</b>	TO <b>7/31/01</b>	<b>80</b>			NUMBER TO BE ASSIGNED BY NRC <b>000703</b>

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.)

**CESURIUM 137 39Bq  
 AMERICIUM 241 Bq 1.489Bq**

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 <b>48-0342</b>	STATE <b>MA</b>	EXPIRATION DATE <b>3/31/2006</b>
---	----------------------------------	--------------------	-------------------------------------

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) <b>JAMES D'ANGELO, Project Mgr</b>	SIGNATURE <i>James D'Angelo</i>	DATE <b>3/22/01</b>
--	------------------------------------	------------------------

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) <b>John McEach</b>	SIGNATURE <i>John McEach</i>	DATE <b>3/30/01</b>	TOTAL USAGE - DAYS TO DATE <b>122</b>
------------------	---	---------------------------------	------------------------	--

MIRCPM111

Page 1 of 4



THE COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF PUBLIC HEALTH  
RADIATION CONTROL PROGRAM  
MATERIALS LICENSE

Pursuant to Massachusetts General Laws Chapter 111, Sections 3, 5M, 5N, 5O and 5P and Massachusetts Regulations for the Control of Radiation, Section 120.100, Licensing of Radioactive Material, and in reliance on statements and representation heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer radioactive materials 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 regulations 105 CMR 120.000. This license shall be deemed to contain the conditions specified in 105 CMR 120.000 and is subjected to all applicable rules, regulations of the Department of Public Health, Commonwealth of Massachusetts, now or hereafter in effect and to any conditions specified below.

Licensee	3. License Number: 48-0342 is issued in accordance with the letter dated January 25, 2001, to read as follows:
1. Jay Cashman Incorporated	New License
2. 20 West Howell Street Boston, Massachusetts 02125	4. Expiration date: March 31, 2006
	5. Docket No: 02-2307

6. Radioactive Material	7. Chemical/Physical Form	8. Maximum Possession Limit
A. Cesium-137	A. Sealed Source	A. Not to exceed 11 millicuries per source and 11 millicuries total
B. Americium-241: Beryllium	B. Sealed Source	B. Not to exceed 44 millicuries per source and 44 millicuries total
C. Cesium-137	C. Sealed Source	C. Not to exceed 9 millicuries per source and 9 millicuries total
D. Americium-241: Beryllium	D. Sealed Source	D. Not to exceed 44 millicuries per source and 44 millicuries total

9. Authorized use:

MRCP-MAT-1

Page 2 of 4

COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH RADIATION CONTROL PROGRAM	LICENSE NUMBER: 48-0342
MATERIALS LICENSE SUPPLEMENTARY SHEET	DOCKET NUMBER: 02-2307 AMENDMENT NUMBER: New License

- A. and B. For the possession and use in Humboldt Scientific Incorporated Model 5001 series gauges for the measurement of moisture, surface density, or asphalt content of construction devices.
- C. and D. For the possession and use in Troxler Electronics Laboratories Model 3400 series gauges for the measurement of moisture, surface density, or asphalt content of construction devices.

### CONDITIONS

10. Licensed material may be used only at the licensee's facilities at 20 West Howell Street, Boston, Massachusetts 02125 and at temporary job sites anywhere in the Commonwealth of Massachusetts except areas under exclusive Federal jurisdiction. This condition does not prohibit use in states under the jurisdiction of the U. S. Nuclear Regulatory Commission (NRC) or Agreement States under reciprocity procedures which may be established by the NRC or those states.
11. This license is subject to an annual fee as determined by the Executive Office for Administration and Finance.
12. A. Licensed material shall only be used by, or under the supervision and in the physical presence of Timothy Greenwood, or individuals who have successfully completed the manufacturer's training program for gauge users and who have been designated by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for three (3) years following the last use of licensed material by the individual.
- B. The Radiation Safety Officer for the activities authorized by this license is Timothy Greenwood.
13. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.
14. A. The sources specified in Item 7 shall be tested for leakage and/or contamination at intervals not to exceed six (6) months. Any source received from another person

MRCP-MAT-1

Page 3 of 4

COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH RADIATION CONTROL PROGRAM	LICENSE NUMBER: 48-0342
MATERIALS LICENSE SUPPLEMENTARY SHEET	DOCKET NUMBER: 02-2307 AMENDMENT NUMBER: New License

which is not accompanied by a certificate indicating that a test was performed within six (6) months before the transfer shall not be put into use until tested.

- B. Any source in storage, and not being used, need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- C. Tests for leakage and/or contamination shall be capable of detecting the presence of 185 Bq (0.005  $\mu$ Ci) of radioactive material on the test sample. If the test reveals the presence of 185 Bq (0.005  $\mu$ Ci) or more of removable contamination, the source shall be removed from service and decontaminated, repaired or disposed of. A report shall be filed with the Director of the Radiation Control Program within five (5) days of the date the leak test result is known. The report shall specify the source(s) involved, the test result(s) and the corrective action(s) taken. Records of leak test results shall be kept in units of becquerel or microcurie and shall be maintained for inspection by the Agency.
- D. This license does not authorize analysis of leak test samples. However, the licensee is authorized to collect leak test samples for analysis by persons specifically authorized by the Agency, an Agreement State, a Licensing State or U. S. Nuclear Regulatory Commission to perform such services.
15. The licensee shall not acquire licensed material in a sealed source or in a device that contains a sealed source unless the source or device has been registered with the Agency pursuant to 105 CMR 120.128(N) or under the equivalent regulations of the U.S. Nuclear Regulatory Commission, an Agreement State or Licensing State.
16. 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 until inspection by the Agency, and shall include the quantities and kinds of radioactive material, the locations of the sealed sources, and the dates of the inventories.
17. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The

MRCP MAT-1

Page 4 of 4

COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH RADIATION CONTROL PROGRAM	LICENSE NUMBER: 48-0342
MATERIALS LICENSE SUPPLEMENTARY SHEET	DOCKET NUMBER: 02-2307 AMENDMENT NUMBER: New License

gauge or its container must be locked when in transport, storage or when not under the direct surveillance of an authorized user.

18. Any cleaning, maintenance, or repair of the gauge(s) that requires removal of the source rod shall be performed only by the manufacturer or other persons specifically licensed by the Agency, the NRC, or an Agreement State to perform such services.
19. The licensee shall only transport radioactive material or deliver radioactive material to a carrier for transport in accordance with the provisions of 49 CFR Parts 170 through 189, 10 CFR Part 71, and 105 CMR 120.770 "Transportation of Radioactive Material."
20. Except as specifically provided otherwise by this license, the licensee shall conduct its program in accordance with statements, representations and procedures contained in the documents, including any enclosures listed below. The Massachusetts Regulations for the Control of Radiation, 105 CMR 120.000, shall govern, unless statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
  - A. Application dated January 25, 2001.
  - B. Letter dated March 13, 2001.
  - C. Letter dated March 19, 2001.

FOR THE COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF PUBLIC HEALTH  
RADIATION CONTROL PROGRAM

Date 3/21/2001

By *Robert M. Hallisey*  
for Robert M. Hallisey, Director

