

# Advance Testing

NEW YORK OFFICE

NEW ENGLAND OFFICE

3348 Route 208 Campbell Hall, NY 10916  
Phone (845) 496-1600 Fax (845) 496-1398  
24 Day Farm Road PO Box 260  
West Stockbridge, MA 01266  
Phone (413) 232-4040 Fax (413) 232-4141

April 13, 2001

United States Nuclear Regulatory Commission  
Region 1  
475 Allendale Road  
King of Prussia, PA 19406  
Attn.: Sheryl Villar

RECEIVED  
REGION 1  
2001 APR 17 PM 2:45

Dear Ms. Villar,

Enclosed please find four copies of NRC Form 241 with attachments. The application fee is enclosed also.

If you have any questions or require additional information, please feel free to contact me at your convenience.

Very truly yours,  
Advance Testing Company, Inc.



Christopher M. Brower  
Radiation Safety Officer

N/MSS/R GN-001

<b>NRC FORM 241</b> (7-1999)		<b>U.S. NUCLEAR REGULATORY COMMISSION</b>	
<b>REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES, AREAS OF EXCLUSIVE FEDERAL JURISDICTION, OR OFFSHORE WATERS</b>  <i>(Please read the instructions before completing this form)</i>			
<b>1. NAME OF LICENSEE</b> <i>(Person or firm proposing to conduct the activities described below)</i>  Advance Testing Company		<b>2. TYPE OF REPORT</b>  <input checked="" type="checkbox"/> INITIAL <input type="checkbox"/> REVISION <input type="checkbox"/> CLARIFICATION	
<b>3. ADDRESS OF LICENSEE</b> <i>(Mailing address or other location where licensee may be located)</i> 3348 Route 208 Campbell Hall, NY 10916		<b>4. LICENSEE CONTACT AND TITLE</b> Christopher M. Brower Radiation Safety Officer	
		<b>5. TELEPHONE NUMBER</b> <i>(include Area Code)</i> (845) 496-1600	<b>6. FACSIMILE NUMBER</b> <i>(include Area Code)</i> (845) 496-1398
<b>7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20</b>			
<input type="checkbox"/> WELL LOGGING <input type="checkbox"/> LEAK TESTING AND/OR CALIBRATIONS <input type="checkbox"/> TELETHERAPY/IRRADIATOR SERVICE <input checked="" type="checkbox"/> PORTABLE GAUGES <input type="checkbox"/> OTHER (Specify) $\Rightarrow$ _____ <input type="checkbox"/> RADIOGRAPHY $\Rightarrow$ _____			
<b>8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE</b>  See Attachment		<b>9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION</b> <i>(Street and Number or other location. Give as complete an address or directions as possible.)</i>  See Attachment	
		<b>10. CLIENT TELEPHONE NUMBER</b> <i>(include Area Code)</i> See Attached	<b>11. WORK LOCATION TELEPHONE NUMBER</b> <i>(include Area Code)</i> See Attached
<b>12. DATES SCHEDULED</b>		<b>13. NUMBER OF WORK DAYS</b>	<b>14. ADD</b>
FROM	TO	179	15. DELETE
See Attachment	See Attachment		16. LOCATION REFERENCE NUMBER
NUMBER TO BE ASSIGNED BY NRC <b>multi.</b>			
<b>LIST ADDITIONAL WORK SITES ON SEPARATE SHEET(S) TO INCLUDE ALL INFORMATION CONTAINED IN ITEMS 9-16 ABOVE.</b>			
<b>17. LIST RADIOACTIVE MATERIAL, WHICH WILL BE POSSESSED, USED, INSTALLED, SERVICED, OR TESTED</b> <i>(include description of type and quantity of radioactive material, sealed sources, or devices to be used.)</i>  Troxler Nuclear Density Gauges- Cesium 137 NTE 9 MCI; Americium 241; Beryllium NTE 44 MCI			
<b>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.)</b>		<b>LICENSE NUMBER</b> NYSDOL N02434-3468	<b>STATE</b> NY
		<b>EXPIRATION DATE</b> 1/31/02	
<b>19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)</b>			
<b>I, THE UNDERSIGNED, HEREBY CERTIFY THAT:</b>			
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.			
<b>CERTIFYING OFFICER - RSO or Management Representative (Name and Title)</b> Christopher M. Brower, Radiation Safety Ofc		<b>SIGNATURE</b> <i>Christopher M. Brower</i>	<b>DATE</b> 4/13/01
<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.</b>			
<b>FOR NRC USE ONLY</b>	<b>REVIEWING OFFICIAL (Typed/Printed Name and Title)</b> <i>John M. [unclear]</i>	<b>SIGNATURE</b> <i>John M. [unclear]</i>	<b>DATE</b> 4/16/01
		<b>TOTAL USAGE - DAYS TO DATE</b> 4	

(30) 4/16/01

April 13, 2001

Attachment to NRC form 241

Item 9: Client Name, Address, City/County, State, Zip Code

(A) Port Authority of New York and New Jersey <b>000760</b> 241 Erie Street, Room 234 Jersey City, NJ 07310	(G) O & G Industries 112 Wall Street Torrington, CT 06790 <b>000765</b>
(B) Della Pello Cont, Co. Inc. P.O. Box 1657 <b>000759</b> Milltown Road Union, NJ 07083	(H) Tilcon New York, Inc. 162 Old Mill Road West Nyack, NY 10994 <b>000766</b>
(C) Mount Hope Rock Products 625 Mount Hope Road <b>000761</b> Wharton, NJ 07885	(I) McGoe, Houser and Edsall 507 Broad Street Milford, PA 18337 <b>000767</b>
(D) A. Servidone Co., Inc. 1364 Route 9 <b>000762</b> Casleton, NY 12033	(J) Tilcon Connecticut Inc. P.O. Box 67 North Branford, CT 06471 <b>000768</b>
(E) Braen Stone Industries P.O. Box 8310 <b>000763</b> Haledon, NJ 07538	(K) Congress Construction 2 Boubon Street Peabody, MA 01960 <b>000769</b>
(F) Dell Contractors One Hill Street <b>000764</b> Patterson, NJ 07538	(L) Bechtel Power Corp 362 Injun Hollow Road East Hampton, CT 06424 <b>000770</b>
	(M) Zitone Corp. P.O. Box 1829 Montague, NJ 0782 <b>000771</b>

Item 10 Work Locations:

- (A) Port Authority Properties – Holland Tunnel, Lincoln Tunnel, George Washington Bridge, Newark Airport, Port of Elizabeth, Jersey City, Port of Newark
- (B) Various Routes in New Jersey (To be determined)
- (C) Various Routes and projects in New Jersey (To be determined)
- (D) Various Routes and projects in New Jersey (To be determined)
- (E) Various Routes and projects in New Jersey (To be determined)
- (F) Various Routes and projects in New Jersey (To be determined)

Item 10 Continued:

- (G) Various Routes and projects in Connecticut (To be determined)
- (H) Various Routes and projects in New Jersey (To be determined)
- (I) Various projects in Pennsylvania and New Jersey (To be determined)
- (J) Various Routes and projects in Connecticut (To be determined)
- (K) Various Routes and projects in Connecticut (To be determined)
- (L) Various Routes and projects in Connecticut (To be determined)
- (M) Various Routes projects in Pennsylvania (To be determined)

Item 11 Client Telephone Number:

- (A) 201-216-2986
- (B) 908-687-6070
- (C) 973-366-7741
- (D) 518-732-7773
- (E) 973-595-6250
- (F) 973-595-0404
- (G) 860-489-9261
- (H) 845-358-4500
- (I) 570-296-2765
- (J) 203-484-1422
- (K) 978-535-6700
- (L) 860-267-3524
- (M) 973-293-3436

Item 12 Technicians to perform work:

Thomas Antonelli	Mark Foster	Tim Parker
Frank Barrett	Robert Frazer	Kevin Patton
Julia Bendixen	Duane Goewey	Robert Patton
John Bianco	Richard Hamilton	Andrew Reiter
Russ Bracco	Joseph Hickey	Ronald Renshtie
Anthony Brower	Kenneth John	Mark Riordan
Christopher Brower	Matthew Kennedy	Rob Sands
Michael Brown	Amy Kyte	Ralph Schimmenti
Mark Clark	Matt Lefevre	Mike Scorpa
Arthor Cooper	Jeff Lewis	John Smith
Michael Creeden	Mark Long	Lizette Strait
Adam Cyrek	Mike Meyer	James Terotta
Robert Davidson	Art Minor	Rodney Ticehurst
John Donnelly	Linda-le Morris	Ronald Vaughn
Mark Erceg	George Nichols Jr	David Wemple
Christopher Ferranti	Jason Nooney	Ed Whitten
Jessica Finelt	Daryl O'Dell	Alex Yost

Item 13 Work Location Telephone Number

- (A) Not Available
- (B) Not Available
- (C) Not Available
- (D) Not Available
- (E) Not Available
- (F) Not Available
- (G) Not Available
- (H) Not Available
- (I) Not Available
- (J) Not Available
- (K) Not Available
- (L) Not Available
- (M) Not Available

Item 14 Dates Scheduled

4/16-20/01, 4/23-27/01, 4/30/01, 5/1-4/01, 5/7-11/01, 5/14-18/01, 5/21-25/01, 5/29-31/01, 6/1/01, 6/4-8/01, 6/11-15/01, 6/18-22/01, 6/25-29/01, 7/2-3/01, 7/5-6/01, 7/9-13/01, 7/16-20/01, 7/23-27/01, 7/30-31/01, 8/1-3/01, 8/6-10/01, 8/13-17/01, 8/20-24/01, 8/27-31/01, 9/4-7/01, 9/10-14/01, 9/17-21/01, 9/24-28/01, 10/1-5/01, 10/8-12/01, 10/15-19/01, 10/22-26/01, 10/29-31/01, 11/1-2/01, 11/5-9/01, 11/12-16/01, 11/19-21/01, 11/23/01, 11/26-30/01, 12/3-7/01, 12/10-14/01, 12/17-21/01, 12/24/01



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

**RADIOACTIVE MATERIALS LICENSE**

DL 00-106

Page 1 of 4 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  Advance Testing Company, Inc.  FEIN:14-1672799 PHONE:(914)496-1600		3. LICENSE NUMBER 2434-3468
2. ADDRESS OF LICENSEE  3348 Route 208 Campbell Hall, New York 10916		4. EXPIRATION DATE January 31, 2002
		5a. REFERENCE No. 6      b. AMENDMENT No 5

6. RADIOACTIVE MATERIALS (element in mass number)	7. CHEMICAL AND/OR PHYSICAL FORM	8. MAXIMUM QUANTITY LICENSEE MAY POSSESS AT ANY ONE TIME
A. Cesium 137	A. Sealed Sources	A. See Condition 9.
B. Americium 241: Beryllium	B. Sealed Sources	B. See Condition 9.
C. Cobalt 57	C. Sealed Sources	C. See Condition 9.
D. Cadmium 109	D. Sealed Sources	D. See Condition 9.

9. Authorized use:  
Conditions 6.A. through 6.D.

1. The licensee is authorized to use any sealed source, associated portable moisture/density gauge, or associated portable x-ray fluorescence device which has been manufactured and distributed in accordance with a specific license issued by an Agreement State or the United States Nuclear Regulatory Commission. Combinations of sources and devices must be compatible for use as stated in a Sealed Source and Device Registration Certificate (i.e. stated in the registration certificate for the source or device).
2. No single source may exceed the maximum activity specified for that nuclide in the Sealed Source and Device Registration Certificate for any device in which the source is to be used.
10. A. Licensed material shall be stored at the location indicated in Condition No. 2, and may be used at temporary job sites of the licensee anywhere within the State of New York, where the Department of Labor exercises jurisdiction.



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

**RADIOACTIVE MATERIALS LICENSE**

Page 2 of 4 Pages

3. License Number 2434-3468

5a. Ref. No. 6

b. Amend. No. 5

(Condition No. 10 continued)

- B. Overnight storage at other locations shall be in accordance with statements referenced in Condition 22 herein, providing that such storage may not be in a residence, or in an attached garage except within a vehicle. Any vehicle used for storage shall be driven only for purposes associated with use or transport of the contained radioactive material, by a person qualified to use the material, and no passengers shall be carried unless they are also involved in work under this license. Vehicular storage shall only be allowed if no other storage is possible and shall not exceed five (5) consecutive nights unless authorization to exceed this limit is obtained from the Department.
  - C. Under no circumstances shall radioactive material authorized by this license be transferred to the custody of any person or firm other than the licensee, or be used or stored by another person or firm or its employees; unless that person or firm possesses a valid license to possess and use such radioactive material.
- 11. Licensed material shall be used by, or under the supervision of, Christopher M. Brower (Radiation Safety Officer), by licensee personnel trained and certified by the device manufacturer. The licensee shall maintain a complete and accurate record of the qualifications of each person permitted to use radiation sources under this license.
  - 12. Sealed Sources containing radioactive materials shall not be opened or removed from the licensed gauge by the licensee.
  - 13.
    - A. The licensee is not authorized to dismantle, repair or effect any changes in the source holders/gauges. Any maintenance involving exposure of the source or removal of shielding is prohibited. All other maintenance shall be performed in accordance with the manufacturer's recommendations.
    - B. The licensee shall not alter labels attached to gauges, and shall maintain labels in legible condition at all times.
  - 14. The licensee shall instruct persons who engage in work under the license, in accordance with section 38.27(c) of Code Rule 38. Such instruction shall include the licensee's operating and emergency procedures, and other information contained in documents incorporated in Condition 22.
  - 15. The licensee shall conduct a physical inventory every six (6) months to account for all Gauges 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 gauges, the date of the inventory and the name of the person who performed it.



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

**RADIOACTIVE MATERIALS LICENSE**

Page 3 of 4 Pages

3. License Number 2434-3468

5a. Ref. No. 6

b. Amend. No. 5

16. A. The licensee shall maintain a utilization log containing the identification of sources used, dates removed and returned to storage, the location of use, the identity of user, and the daily check of sliding blocks required by Condition 21.
- B. The log shall be kept at the location of storage and shall contain sufficient detail to enable the licensee to inform the Department at any time, of the exact location of each source.
17. Current copies of the following documents shall be maintained at temporary job sites for Department inspection:
- A. The manufacturer's instruction manual and the licensee's operating and emergency procedures.
- B. A copy of the results of the latest test for leakage and/or contamination performed on the sealed sources.
18. A. In the event of a serious incident involving licensed material, including but not limited to, the theft or loss of a gauge, or damage to a gauge, the Department shall be notified immediately by telephone. Subsequent information about the incident acquired by the licensee shall be reported as it is received. All gauge users must carry the NYSDOL's current telephone number in their emergency procedures.
- B. In the event that a gauge is damaged, the gauge and surrounding area shall be surveyed with an appropriate survey meter, and the results of the survey shall be reported to and approved by the Department before the gauge is removed from the site.
19. The licensee shall ensure that all persons authorized to use portable gauges comply with safe use and maintenance procedures and that they do not leave a gauge unattended or unsecured at any time, even for a few minutes.
20. 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 Section 38.7 of 12 NYCRR 38 for establishing decommissioning financial assurance.
21. Each gauge shall be inspected on each day of use before use, and upon its return to storage, to ensure proper operation of all safety features including the following:
- A. Turn the gauge over and visually verify that the tungsten sliding block is completely closed, keeping as much distance as possible between you and the base of the gauge. If any portion of the opening is uncovered, the sliding block must be cleaned and returned to the fully closed position before transporting, using, or storing the gauge. The manufacturer's instructions for cleaning the sliding block must be followed.





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

**RADIOACTIVE MATERIALS LICENSE**

Page 4 of 4 Pages

3. License Number 2434-3468

5a. Ref. No. 6

b. Amend. No. 5

(Condition No. 21 continued)

- B. If a radiation survey meter is available, and in good working order, radiation levels at the gauge surface shall also be checked. The exposure rate should be approximately 10-20 mrem per hour.
  - C. If a sliding block is found to be partially or fully open, the Department of Labor must be notified by telephone within 24 hours.
22. 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. License renewal request dated December 27, 1995, signed by James P. Smith, Jr., with attachments.
  - B. Complete license renewal application dated February 23, 1996, signed by James P. Smith, Jr., with attachments.
  - C. Letter received June 16, 1996, signed by Christopher M. Brower.
  - D. License renewal request dated January 28, 1999, signed by James P. Smith, Jr., with attachments.
  - E. Letter dated July 16, 1999 signed by Christopher Brower and facsimilies (2) dated September 21, 1999 from Christopher Brower.
  - F. Letter dated March 31, 2000 signed by Christopher Brower.

James J. McGowan  
COMMISSIONER OF LABOR

by: Clayton J. Bradt, CHP  
Associate Radiophysicist

DATE:

4/12/00