

(4-2008)  
10 CFR 30.36(j)(1); 40.42(j)(1),  
70.38(j)(1); and 72.54(k)(5)(1)(1)

Estimated burden per response to comply with this mandatory collection request: 30 minutes.  
This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), 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, (3150-0028), 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.

CERTIFICATE OF DISPOSITION OF MATERIALS

LICENSEE NAME AND ADDRESS

BRAUN INTERTEC GREAT LAKES, INC.  
8737 MAIN ST. # F  
WHITMORE LAKE, MI 48189

LICENSE NUMBER

21-32599-01

DOCKET NUMBER

030-37012

LICENSE EXPIRATION DATE

SEPTEMBER 30, 2015

A. LICENSE STATUS (Check the appropriate box)

- This license has expired.
- This license has not yet expired; please terminate it.

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner:
  - a. Transfer of radioactive materials to the licensee listed below:  
1091-108-27
  - b. Disposal of radioactive materials:
    - 1. Directly by the licensee:
    - 2. By licensed disposal site:
    - 3. By waste contractor:
- c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

C. SURVEYS PERFORMED AND REPORTED

- 1. A radiation survey was conducted by the licensee. The survey confirms:
  - a. the absence of licensed radioactive materials
  - b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- 2. A copy of the radiation survey results:
  - a. is attached; or  b. is not attached (Provide explanation); or  c. was forwarded to NRC on: \_\_\_\_\_ Date
- 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
  - a. The results of the latest leak test are attached; and/or
  - b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME: GREG EBELING TITLE: RADIATION SAFETY OFFICER TELEPHONE (Include Area Code): 952-995-2512 E-MAIL ADDRESS: gebeling@braunintertec.com  
11001 Hampshire Ave. So. Bloomington, MN 55438

C. CERTIFYING OFFICIAL  
I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE: GREG EBELING RSO SIGNATURE: Greg Ebeling DATE: 2/12/10

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 RESPECT. 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.

RECEIVED FEB 17 2010

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

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### MATERIALS LICENSE

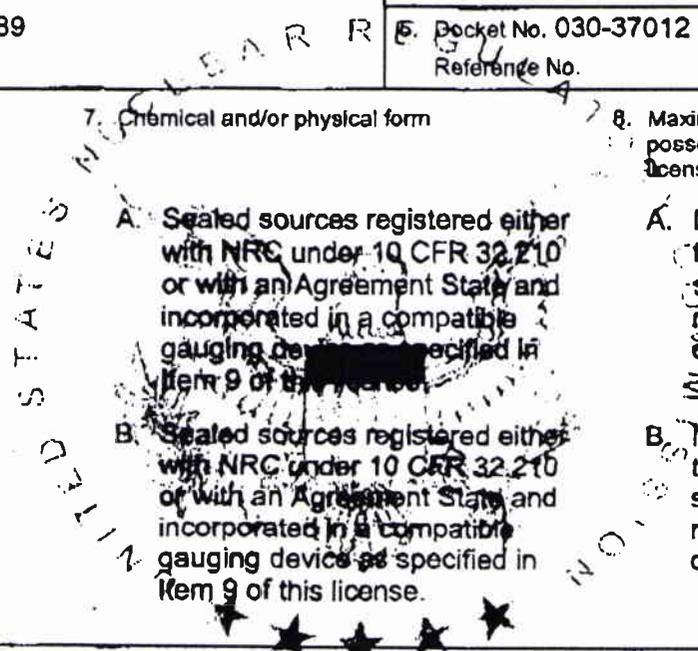
Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material 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 of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

PL 03/21

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Licensee	
1. Braun Intertec Great Lakes, Inc.	3. License number 21-32599-01
2. 8737 Main Street #F Whitmore Lake, MI 48189	4. Expiration date September 30, 2015
	5. Pocket No. 030-37012 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Cesium-137	A. Sealed sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license.	A. No single source to exceed the maximum activity specified in the certificate of registration issued by NRC or an Agreement State
B. Americium-241	B. Sealed sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license.	B. No single source to exceed the maximum activity specified in the certificate of registration issued by NRC or an Agreement State



9. Authorized use:

A. and B. In Troxer Electronic Laboratories Model No. 3400 Series portable gauging devices for measuring physical properties of materials.

#### CONDITIONS

- 10. Licensed material may be used or stored at the licensee's facilities located at 8737 Main Street #F and may be used at temporary job sites of the licensee anywhere in the United States where the U. S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
- 11. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in application dated August 5, 2005.
- 12. The Radiation Safety Officer for this license is Greg Ebeling.

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U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
21-32599-01Docket or Reference Number  
030-37012

13. 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 10 CFR 30.35(d), 40.36 (b) and 70.25 (d) for establishing financial assurance for decommissioning.
14. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- C. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred 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 10 years without being tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- E. Tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples but not perform the analysis; analysis of leak samples must be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
- F. Records of leak tests results shall be kept in units of microcuries and shall be maintained for 3 years.
15. 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.
16. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license.
17. Except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from NRC before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the respective Certificates of Registration issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

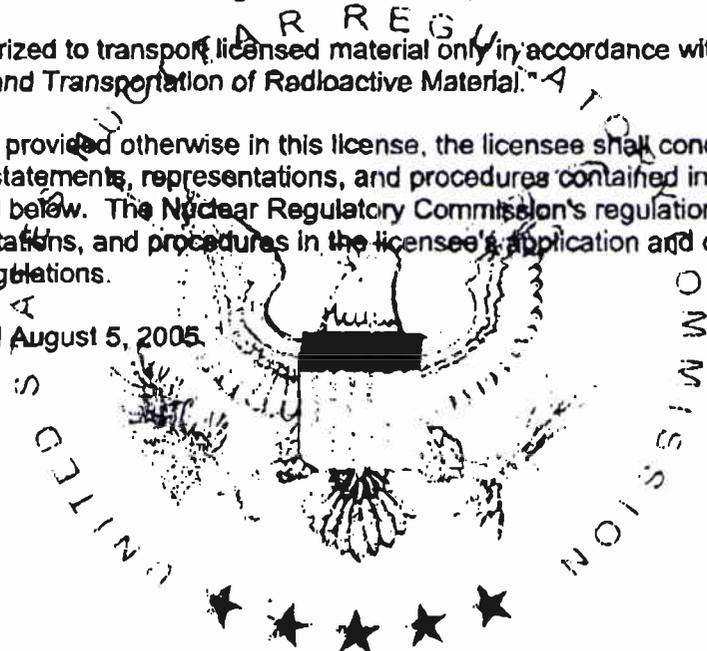
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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
21-32599-01

Docket or Reference Number  
030-37012

- 18. 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 gauge or its container must be locked when in transport. A minimum of two independent physical controls that form tangible barriers to secure portable gauges from unauthorized removal whenever the portable gauge is not under the control and constant surveillance of the licensee are required.
- 19. Any cleaning, maintenance, or repair of the gauges that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- 20. 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."
- 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 Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
  - A. Application dated August 5, 2005



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date OCT 11 2005

By

*Toye L. Simmons*

Toye L. Simmons  
Materials Licensing Branch  
Region III



## RADIOACTIVE MATERIALS LICENSE

Pursuant to Minnesota Statute 144.12 and in reliance on statements and representations 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 rules. This license is subject to all applicable rules and orders of the Minnesota Department of Health (MDH) including the Minnesota Radioactive Materials Rules, Chapter 4731, now or hereafter in effect, and to any conditions specified below.

<p><b>LICENSEE</b></p> <p>1. BRAUN INTERTEC CORPORATION</p> <p>2. 11001 HAMPSHIRE AVENUE SOUTH BLOOMINGTON, MINNESOTA 55438</p>	<p>In accordance with the documents listed in Item 22, the Minnesota Department of Health Radioactive Materials License is issued to read as follows:</p> <p>3. License Number: 1091-108-27</p> <p>4. Expiration Date: May 31, 2011</p> <p style="text-align: center;"><b>Program Codes</b></p> <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Primary: 3121</td> <td style="border: none;">Secondary:</td> <td style="border: none;">Other:</td> </tr> </table>	Primary: 3121	Secondary:	Other:
Primary: 3121	Secondary:	Other:		
<p>5. By Product, Source, Special Nuclear and/or Natural Occurring; or Accelerator Produced Radioactive Material</p> <p>A. Americium-241/Beryllium</p> <p>B. Cesium-137</p> <p>C. Americium-241/Beryllium</p> <p>D. Cesium-137</p> <p>E. Americium-241/Beryllium</p> <p>F. Cesium-137</p>	<p>6. Chemical and/or Physical Form</p> <p>A. Sealed source (Humboldt Scientific, Inc. Drawing 2200067)</p> <p>B. Sealed source (Humboldt Scientific, Inc., Drawing 2200064)</p> <p>C. Sealed source (Troxler Drawing No. A102451 or C-106580)</p> <p>D. Sealed source (Troxler Drawing No. A-102112)</p> <p>E. Sealed source (CPN International, Inc. AEA Technology – QSA Global Inc. (formerly Amersham), Isotope Products Laboratory, or Gammatron, Inc. Model CPN-131)</p> <p>F. Sealed source (CPN International, Inc. AEA Technology – QSA Global Inc. (formerly Amersham), Isotope Products Laboratory, or Gammatron, Inc. Model CPN-131)</p>	<p>7. Maximum Amount That Licensee May Possess At Any One Time Under This License</p> <p>A. 12 sources. No single source to exceed 44 millicuries (1.63 GBq).</p> <p>B. 12 sources. No single source to exceed 11 millicuries (0.41 GBq).</p> <p>C. 100 sources. No single source to exceed 44 millicuries (1.63 GBq).</p> <p>D. 100 sources. No single source to exceed 11 millicuries (0.41 GBq).</p> <p>E. 6 sources. No single source to exceed 50 millicuries (1.85 GBq).</p> <p>F. 6 sources. No single source to exceed 10 millicuries (0.37 GBq).</p>		



## RADIOACTIVE MATERIALS LICENSE

G. Americium-241/Beryllium	G. Sealed source (AEA Technology models AMN.6002, AMN.Q1954; DuPont Merck model NER-550; Nuclear Sources and Services model AN-HPG, AN-HP or GT-GHP)	G. 2 sources. No single source to exceed 50 millicuries (1.85 GBq).
H. Cesium-137	H. Sealed source (AEA Technology models CDC.804, CDC.805, AMN.6002, AMN.Q1954; DuPont Merck model NER-550; 3M model 4P6M; Nuclear Sources and Services models AN-HPG or GT-GHP)	H. 2 sources. No single source to exceed 10 millicuries (0.37 GBq).
I. Radium-226/Beryllium	I. Sealed source (Radium Chemical Company model RAN.C1 [product code RAN-W25] or drawing 21.94)	I. 2 sources. No single source to exceed 4.5 millicuries (0.17 GBq).
J. Radium-226/Beryllium	J. Sealed source (Nuclear Sources and Services models AN-HPG)	J. 2 sources. No single source to exceed 5.5 millicuries (0.20 GBq).
K. Iron-55	K. Sealed source (QSA Global Model AMCL or AMC.P4, Isotope Product Laboratories Model XFB-4)	K. 4 sources. No single source to exceed 30 millicuries. (1.11 GBq).
L. Americium-241/Beryllium	L. AEA Technology QSA Model No. AMN.V977, Isotope Products Laboratories Model No. AM1. NO2	L. 3 sources. No single source to exceed 44 millicuries (1.63 GBq).
M. Cesium-137	M. AEA Technology QSA Model No. CDC.805, Isotope Products Laboratories Model No. HEG-137	M. 3 sources. No single source to exceed 11 millicuries (0.41 GBq).

### 8. AUTHORIZED USE

- A. and B.            To be used in Humboldt Scientific, Inc. model 5001 Series surface density/moisture gauges.
- C. and D.            To be used in Troxler Electronics Laboratories model 3401, 3401-B, 3411, 3411-B or 3400 Series (models 3430, 3430 Plus, 3440, 3440 Plus, 3450, or 3451) portable gauging devices for measuring physical properties of materials.
- E. and F.            To be used in CPN International, Inc. model MC Series PORTAPROBE® devices for measuring physical properties of materials.
- G., H., I. and J.    To be used in Seaman Nuclear model C-200 surface density/moisture gauges.
- K.                      To be used in Thermo NITON Analyzers XLp – Series X-ray Fluorescence Device for determining the content of differing elements in metal samples.
- L. and M.            To be used in Instro Tek, Inc. Model 3500 Xplorer density/moisture gauges.



## RADIOACTIVE MATERIALS LICENSE

### CONDITIONS

9. A. Licensed material may be stored at the licensee's facilities located at:
- 11001 Hampshire Avenue South, Bloomington, Minnesota
  - 21021 Heron Way Suites 101-2, Lakeville, Minnesota
  - 4210 Highway 14 East, Rochester, Minnesota
  - 3404 15th Avenue East Suite 9, Hibbing, Minnesota
  - 1520 24th Avenue North, St. Cloud, Minnesota
  - 1826 Buerkle Road, St. Paul, Minnesota
  - 6737 LaBeaux Avenue Suite 2, Albertville, Minnesota
  - 153 Chestnut Street, Mankato, Minnesota
  - 4511 West 1st Street, Suite 4, Duluth, Minnesota**
- B. Licensed material may be used or stored at temporary job sites of the licensee anywhere in the State of Minnesota where the Minnesota Department of Health maintains jurisdiction for regulating the use of licensed material.
10. The Radiation Safety Officer for this license is Mark Flynn.
11. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in application dated April 19, 2001.
12. A. **Sealed sources shall be tested for leakage and/or contamination in accordance with 4731.2360.**
- B. **Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the US Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by the US Nuclear Regulatory Commission or an Agreement State to perform such services.**
13. Sealed sources or source rods containing licensed radioactive material shall not be opened or sources removed or detached from the source rods or gauges by the licensee.
14. The licensee shall not make any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the respective certificates of registration.
15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
16. Any cleaning, maintenance, or repair of the gauge(s) that requires removal of the source shall be performed only by the manufacturer or by other persons specifically licensed by the US Nuclear Regulatory Commission or an Agreement State to perform such services.
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 gauge or its container must be locked when in transport, storage or when not under the direct surveillance of an authorized user.



## RADIOACTIVE MATERIALS LICENSE

18. The licensee shall use a minimum of 2 physical controls that form tangible barriers to secure portable gauge(s) from unauthorized removal whenever the portable gauge(s) are not under the control and constant surveillance of the licensee.
19. When performing tests at temporary job sites, the authorized user shall not leave the nuclear gauge unattended. Upon completion of tests, the device shall be secured in the licensee's vehicle or a secure building to prevent loss, theft, or unauthorized use.
20.
  - A. If the licensee uses unshielded sealed sources extended more than 3 feet below the surface, a surface casing that extends from the lowest depth to 1 foot above the surface and other appropriate procedures to reduce the probability of the source or probe becoming lodged below the surface. If it is not feasible to extend the casing 1 foot above the surface, procedures to ensure that the cased hole is free of obstruction shall be implemented.
  - B. If a sealed source or a probe containing a sealed source becomes lodged below the surface and it becomes apparent that all efforts for recovery may be unsuccessful, the licensee shall notify, by telephone, the Minnesota Department of Health and submit a written report within 24 hours.
21. In addition to the possession limits in Item 7, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in Chapter 4731.3080 for establishing decommissioning financial assurance.
22. 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 Minnesota Department of Health's rules shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the rules.
  - A. NRC application dated April 19, 2001.
  - B. Letters to NRC dated December 2, 2002, February 19, 2003, February 4, 2004, April 15, 2004, April 14, 2005, and August 10, 2005.
  - C. Facsimile to NRC dated October 25, 2005.
  - D. Letter to NRC December 5, 2005.
  - E. MDH amendment request dated May 9, 2006.
  - F. MDH amendment request dated November 2, 2006.
  - G. MDH amendment request dated May 3, 2007 and letter dated June 12, 2007.
  - H. Letter received January 17, 2008.
  - I. MDH amendment request dated April 8, 2008 and facsimile dated April 15, 2008.
  - J. Letter to MDH June 20, 2008.
  - K. Letter to MDH received September 26, 2008.
  - L. **Letter to MDH dated July 29, 2009 and email dated September 10, 2009.**



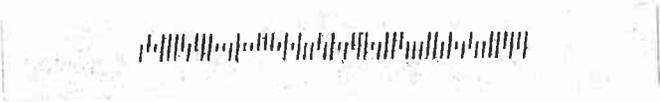
# RADIOACTIVE MATERIALS LICENSE

## FOR THE MINNESOTA DEPARTMENT OF HEALTH

Prepared by: *[Signature]* D.C. Date: 9/21/09  
Radioactive Materials Unit Staff

Reviewed by: *[Signature]* D.C. Date: 9/21/09  
Radioactive Materials Unit Staff

Approved by: *[Signature]* Date: 9/21/09  
Radioactive Materials Unit Supervisor



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