

July 13, 2010

U.S. NRC Region III  
Materials Licensing Branch – Region III  
2443 Warrenville Road  
Suite 210  
Lisle, IL 60532-4352

Subject: **License Termination Request**  
**Radioactive Materials License 48-18608-02**

To Whom It May Concern:

AECOM Technical Services, Inc. (AECOM) is requesting termination of our NRC Radioactive Material License (RAM) 48-18608-02 for possession and temporary storage of portable nuclear density moisture gauges (NDMGs) in areas of NRC jurisdiction.

AECOM had maintained both a NRC RAM and a State of Wisconsin RAM (117-1090-01) at our Sheboygan office. AECOM has completed the RAM license termination process with the State of Wisconsin in October 2009, which terminated the possession and long-term storage of portable nuclear density moisture gauges in the State of Wisconsin. The termination of this license required the transfer or disposal of all sources to other licensed entities.

As a result of the State of Wisconsin RAM termination, AECOM under NRC RAM 48-18608-02 has not possessed NDMGs since September 30, 2009, nor is there any further intent to do so. I have enclosed for your reference the State of Wisconsin License termination letter (minus attachments) from AECOM noting source transfer/disposal and the subsequent acknowledgement from the State of Wisconsin of approved license termination as supporting documentation.

Based upon this information, AECOM is requesting termination of RAM 48-18608-02.

If you have any questions, please feel free to contact me at (920) 451-2452, or through email at [ken.bergschultz@aecom.com](mailto:ken.bergschultz@aecom.com).

It has been a pleasure to work with your staff during the tenure of this license.

Sincerely,



Kenneth J. Bergschultz, P.E.  
Program Radiation Safety Officer

Enclosure: As Noted

**AECOM**

4135 Technology Parkway, Sheboygan, Wisconsin 53083  
 T 920.458.8711 F 920.458.0537 www.aecom.com

Ms. Priscilla Grace Sarow  
 License/Permit Program Associate  
 Department of Health and Family Services  
 Radiation Protection Section  
 1 West Wilson Street  
 Room B157  
 Madison, WI 53701-2659

October 16, 2009

Dear Ms. Sarow:

**Subject: License Termination and Certificate of Disposition of Materials  
 Radioactive Material License No. 117-1090-01**

In correspondence dated July 31, 2009 AECOM notified to the Department of Health and Family Services (DHFS) that AECOM will not be renewing its Radioactive Material License 117-1090-01. The license expiration was September 30, 2009. We completed further discussions through email on completion of the Certificate of Disposition of Materials form DPH45007 and supporting information. AECOM noted that all sources currently possessed would be transferred to other radioactive material licensees approved for the source material type prior to or on September 30, 2009. A completed Certificate of Disposition of Materials form and supporting documentation is attached.

**Source/Gauge Transfers**

Prior to final transfer of the sources/gauges, AECOM maintained an inventory of 33 gauges. The inventory is documented by our 6-month inventory dated July 17, 2009. This inventory demonstrates an inventory of 31 gauges on that date. On September 28, 2009, AECOM took transfer of 2 additional Troxler gauges (Gauge Nos. #111 and #112 for tracking) from Aquinaga Technical Services bringing the total inventory of gauges since July 17, 2009 to 33 gauges. All 33 gauges in the AECOM inventory have been properly transferred prior to, and on, September 30, 2009. Stan A. Huber Consultants, Inc. (SAHCI), provided third-party verification of gauge transfers and reviewed associated documentation on September 30, 2009.

The following is a summary of the gauges transfers, licensees, and dates.

Recipient Licensee	Transferred Gauges	Date of Transfer
Aquinaga Technical Services	6, and 19	9/28/2009
	26	9/30/2009
	51, 58, 61, 63, 64, 66, 67, 68, 70, and 72	9/22/2009
Troxler Electronic Laboratories, Inc.	4, 8, 9, 10, 65, and 71	9/24/2009
	21, 56, 111, and 112	9/29/2009
AECOM USA, Inc./AECOM, Inc.	101 and 102	9/23/2009
AECOM Technical Services, Inc. (Greenville, SC)	103, 104, 105, and 106	9/23/2009
AECOM Technical Services, Inc. (Waterloo, IA)	107, 108, 109, and 110	9/25/2009

A copy of the transfer documentation for each gauge, current leak test for each gauge at the time of transfer, and copies of the recipient licensee's RAM license are attached. Also attached are the July 17, 2009 and September 30, 2009 gauge inventory sheets further documenting gauge possession/transfer.

### **Storage Room Surveys**

Under this specific license, AECOM maintained three storage locations in the State of Wisconsin. These locations were:

AECOM Technical Services 4135 Technology Parkway Sheboygan, WI 53082 (Primary Storage)	AECOM Technical Services 200 Indiana Avenue Stevens Point, WI 54481	AECOM Technical Services 1210 Fourier Drive Madison, WI 53717
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Radiation surveys were completed and physical swabs from the storage areas were collected.

The AECOM – Madison office storage was closed out on September 17, 2009 by the Program RSO. There have been no sources/gauges at this location since October 7, 2008. Hand held survey Meter #112 was used for the survey and a copy of the calibration certificate is attached. A survey sweep around the storage cabinet was completed at a distance of 10 feet in the storage cabinet room as well in adjacent rooms. In all cases, the meter provided non-detect of any residual radiation. To supplement the meter survey, two swab samples were collected from the storage cabinet shelves and processed by SAHCI. In all cases removable contamination was less than  $5E-3 \mu\text{Ci}$ .

The AECOM – Stevens Point storage location for this license was closed out on September 23, 2009 by the Program RSO. The current gauges (#101 and #102) were removed from the storage area and a survey sweep (Meter #112) around and inside the storage room was completed. In all cases, the meter provided non-detect of any residual radiation. To supplement the meter survey, two swab sample were collected from the immediate storage location where the gauges are secured during storage and processed by SAHCI. In all cases removable contamination was less than  $5E-3 \mu\text{Ci}$ . Upon completion of the survey and swab collection, the gauges were returned to the storage location. At this time, these gauges were transferred to AECOM USA, Inc./AECOM, Inc.

Final close out of the AECOM – Sheboygan office storage room and calibration room were completed on September 30, 2009 by SAHCI upon transfer of all gauges. Radiation surveys and swabs were taken and evaluated. Based upon this process, there are no removable contaminants present and the storage areas closed. Attached is the survey report prepared by SAHCI

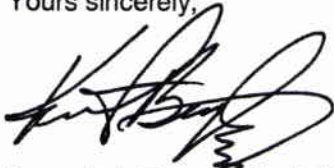
### **License Termination**

Based upon the completed Certificate of Disposition of Materials form, attached documentation noting all previously possessed gauges/sources have been transferred to authorized RAM licensees, and results of storage room radiations surveys and test swabs, AECOM is requesting termination of RAM License No. 117-1090-01. Attached as required, a check for \$200 for the amendment/termination fee is attached.

It has been a pleasure to work with you and your staff during the tenure of this license.

If you have any questions, please contact me at (920) 451-2452 or by email at [ken.bergschultz@aecom.com](mailto:ken.bergschultz@aecom.com).

Yours sincerely,



Kenneth J. Bergschultz, P.E.  
Program RSO

Encl. Certificate of Disposition of Materials  
AECOM Gauge Inventory – July 17, 2009  
AECOM Gauge Inventory – September 30, 2009  
Transfer Documentation: Aguinaga Technical Services, Inc.  
Transfer Documentation: Troxler Electronic Laboratories  
Transfer Documentation: AECOM USA, Inc./AECOM, Inc.  
Transfer Documentation: AECOM Technical Services – Greenville, SC  
Transfer Documentation: AECOM Technical Services – Waterloo, IA  
Meter #112 (S.E. International, Model 4/4EC) Calibration  
Swab Results – AECOM Madison Office  
Swab Test Results – AECOM – Stevens Point Office  
Stan A. Huber Consultants, Inc. – October 2, 2009 Letter Report



DIVISION OF PUBLIC HEALTH

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Governor

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Karen E. Timberlake  
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**State of Wisconsin**  
Department of Health Services

608-267-4797  
FAX: 608-267-3695  
dhs.wisconsin.gov

October 21, 2009

AECOM Technical Services, Inc.  
Attn: Kenneth J. Berschultz, RSO  
4135 Technology Parkway  
Sheboygan, WI 53083

Dear Mr. Bergschultz:

Enclosed is Amendment Number 07 to Wisconsin Radioactive Material License 117-1090-01, terminating your license as requested.

Refer to the following sections of Chapter DHS 157 'Radiation Protection' pertaining to recordkeeping:

1. In accordance with DHS 157.06(1), you should keep records showing the receipt, transfer and disposal of all radioactive sources for three years.
2. In accordance with DHS 157.31(7)(f), individual monitoring (dosimetry) records must be permanently stored.
3. Refer to DHS 157.31 for additional recordkeeping requirements and a list of records which need only be retained until license termination.

If you have any additional questions concerning your license please feel free to contact me at (608) 267-3657 or email at [Chris.Timmerman@wisconsin.gov](mailto:Chris.Timmerman@wisconsin.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Chris Timmerman'.

Chris Timmerman  
Nuclear Engineer  
Radioactive Materials Program

Enc.



STATE OF WISCONSIN  
DEPARTMENT OF HEALTH SERVICES

**RADIOACTIVE MATERIALS LICENSE**

Under s.254.365, Wisconsin Statutes and Chapter DHS 157, Wisconsin Administrative Code, and in reliance on statements and representations made by the licensee, a license is issued authorizing the licensee to receive, acquire, possess and transfer radioactive material designated below; to use the material for the purpose(s) and at the place(s) designated below; and to deliver or transfer the material to persons authorized to receive it in accordance with Chapter DHS 157, Wisconsin Administrative Code. This license is subject to all applicable rules and orders of the Wisconsin Department of Health Services (DHS) including Chapter DHS 157, Wisconsin Administrative Code now or hereafter in effect, and to any conditions specified below.

<p>Licensee Name and Address</p> <p>1. AECOM Technical Services, Inc. 2. 4135 Technology Parkway Sheboygan, WI 53083</p>	<p>3. License Number: 117-1090-01</p> <p>4. Amendment No.: 07</p>
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In accordance with the letter, with attachments, dated October 16, 2009 and signed by Kenneth J. Bergschultz, Radioactive Materials License Number 117-1090-01 is hereby terminated.

FOR THE WISCONSIN DEPARTMENT OF HEALTH SERVICES

*Cheryl K Rogers*

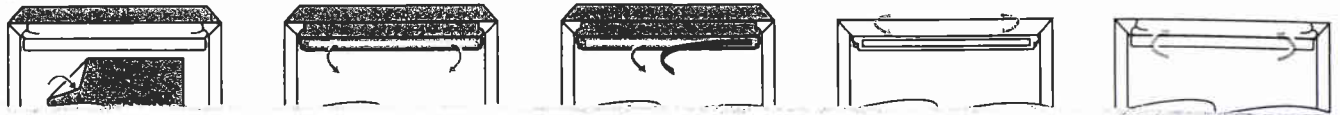
Materials Program Supervisor

10/21/09

DATE

SIGNATURE





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**AECOM**

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4135 Technology Parkway  
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