



**ECS MID-ATLANTIC, LLC**

"Setting the Standard for Service"™

Geotechnical • Construction Materials • Environmental • Facilities

May 24, 2010

*br 3*

Licensing Assistance Team  
Division of Nuclear Material Safety  
U.S. Nuclear Regulatory Commission, Region 1  
King of Prussia, PA 19406-1415

Reference: Request for Change of Address on NRC License, ECS Mid-Atlantic, LLC,  
Manassas Office, 9409 Innovation Drive, Manassas, Virginia 22030  
**License Number 45-31181-01**

*03037324*

This letter is to inform the NRC that the storage location at 6025 16<sup>th</sup> Street, Fort Belvoir, Virginia has changed to 1108 16<sup>th</sup> Street, Fort Belvoir, Virginia. Currently, we have permission from the U.S. Army to store two (2) nuclear gauges there on site. A copy the U.S Army permit, request of permit with new address to the U.S. Army and NRC License is enclosed herein.

If you have any questions, please contact Mr. Milton Villa at 703-396-6259.

Respectfully,

**ECS MID-ATLANTIC, LLC**

Milton Villa  
Radiation Safety Officer

J. Michael Sawyers, P.E.  
Vice President/Branch Manager

I:\Nuke License & RSO\Letters\Change of Address Request.doc

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REGION 1  
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**NMSS/RGN1 MATERIALS-002**



**DEPARTMENT OF THE ARMY**  
US ARMY INSTALLATION MANAGEMENT COMMAND  
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT BELVOIR  
9820 FLAGLER ROAD, SUITE 213  
FORT BELVOIR, VIRGINIA 22060-5928

REPLY TO  
ATTENTION OF

APR 02 2010

Installation Safety Office

Mr. Milton Villa  
ECS Mid-Atlantic, LLC  
9409 Innovation Drive  
Manassas, VA 20110

Dear Mr. Villa:

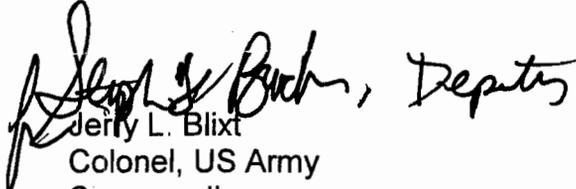
This letter responds to the application dated March 25, 2010 from ECS Mid-Atlantic, LLC for an Army radiation permit for the use and storage of Portable Nuclear Density Gauge(s) on Fort Belvoir. The application meets the requirements of The Department of the Army Pamphlet 385-24 (The Army Radiation Safety Program, 24 August 2007) and of Title 32, Code of Federal Regulations, Para 655, Section 655.10.

I hereby permit you to use the moisture/density gauge(s) on this installation during the period May 1, 2010 through May 1, 2011 in accordance with the terms specified in your application. US Army Garrison (USAG) Fort Belvoir Army Radiation Permit #10-01 is hereby issued.

All radioactive material must be removed from the Installation by the end of the permitted time and documentation provided to indicate proof of removal. We do not permit disposal of radioactive material on Army property. You must reapply to the Installation Safety Office if you wish to use the Troxler moisture/density gauges after May 1, 2011.

Point of contact is Mr. Scott Bruning, Acting, Installation Safety Director, at 703-704-0649 or e-mail: [scott.bruning@us.army.mil](mailto:scott.bruning@us.army.mil) or Mr. Donnie L. Whitehead, Sr., Installation Radiation Safety Officer, at 703-704-0644 or e-mail [Donnie.Whiteheads@us.army.mil](mailto:Donnie.Whiteheads@us.army.mil).

Sincerely,

  
Jerry L. Blix  
Colonel, US Army  
Commanding

**“LEADERS IN EXCELLENCE”**



# ECS MID-ATLANTIC, LLC

"Setting the Standard for Service"™

Geotechnical • Construction Materials • Environmental • Facilities

May 24, 2010

Mr. Donnie L. Whitehead, Sr.  
Installation Radiation Protection Officer  
10100 Duportail Road  
Building 319  
Fort Belvoir, Virginia 22060

Reference: ECS Mid-Atlantic, LLC Request for an Army Radiation Permit for Onsite Use and Storage at Fort Belvoir

Dear Mr. Whitehead:

ECS Mid-Atlantic, LLC (subcontractor to Clark Realty Builders) requests an Army Radiation Permit for temporary use and storage from June 24, 2010 to May 1, 2011 for Two (2) Portable Nuclear Density Gauges. The gauges will be used for soils and asphalt compaction testing at Fort Belvoir. The gauges will be stored at 1108 16<sup>th</sup> street, Fort Belvoir, Virginia.

Attached to this letter is a copy of ECS Mid-Atlantic, LLC Manassas Office Nuclear Regulatory Commission's Materials License and the request for the relocation update, copies of the radiation training certificates for the authorized users on this project, and a copy of this office's standard operating procedures.

If you have any questions, please contact Milton Villa at 703-396-6259.

Respectfully,

**ECS MID-ATLANTIC, LLC**

Timothy M. Moore, E.I.T.  
Project Manager

J. Michael Sawyers, P.E.  
Principal Engineer

Milton Villa  
Radiation Safety Officer

I:\Nuke License & RSO\Letters\Army Radiation Permit Request Udated May 24, 2010.doc

FEDERAL

U.S. NUCLEAR REGULATORY COMMISSION

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.

Licensee	In accordance with the administrative amendment request dated January 27, 2009, 3. License number 45-31181-01 is amended in its entirety to read as follows:
1. ECS Mid-Atlantic, LLC	
2. 9409 Innovation Drive Manassas, Virginia 20110	4. Expiration date August 31, 2016
	5. Docket No. 030-37324 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 (QSA Global Model CDCW556; Isotope Products Laboratories Model HEG-137; CPN International Model CPN-131)	A. 120 millicuries total and no single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State
B. Americium 241	B. Sealed Sources (QSA Global Model AMNV.997; Isotope Products Laboratories Models Am1.NO2, 3021, 3027; CPN International Model CPN-131)	B. 600 millicuries total and no single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State

9. Authorized use:

A. and B. In Troxler Electronic Laboratories Models 3400 series, 4640-B and CPN International Model MC series portable gauging devices for measuring physical properties of materials.

CONDITIONS

10. Licensed material may be stored or used at 6025 16<sup>th</sup> Street, Fort Belvoir, Virginia, and 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, including areas of exclusive Federal jurisdiction within Agreement States.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
45-31181-01Docket or Reference Number  
030-37324

Amendment No. 03

If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.

11. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have received the training described in the application dated August 14, 2006.
12. The Radiation Safety Officer for this license is Milton Villa.
13.
  - A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months or at the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of 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 the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
  - 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, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. 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 U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
  - F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.

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Amendment No. 03

14. 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.
15. The licensee shall conduct a physical inventory every six 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. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
16. 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 or storage, or when not under the direct surveillance of an authorized user.
17. 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 by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
18.
  - A. If the licensee uses unshielded sealed sources extended more than 3 feet below the surface, the licensee shall use surface casing that extends from the lowest depth to 12 inches 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 12 inches above the surface, the licensee shall implement procedures to ensure that the cased hole is free of obstruction before making measurements.
  - B. If a sealed source or a probe containing sealed sources becomes lodged below the surface and it becomes apparent that efforts to recover the sealed source or probe may not be successful, the licensee shall notify the U.S. Nuclear Regulatory Commission and submit the report required by 10 CFR 30.50(b)(2) and (c). The licensee shall not abandon the sealed source or probe without obtaining the Commission's prior written consent.
19. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
45-31181-01Docket or Reference Number  
030-37324

Amendment No. 03

20. 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 U.S. 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 14, 2006 (ML062300101)
  - B. Letter dated August 6, 2007 (ML072290480)
  - C. Letter dated January 28, 2009 (ML090350451)

For the U.S. Nuclear Regulatory Commission

**Original signed by Craig Z. Gordon**Date March 31, 2009

By

Craig Z. Gordon  
Materials Security and Industrial Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406

Sunday, March 22, 2009 14:14:52

This is to acknowledge the receipt of your letter/application dated

5/24/2010, and to inform you that the initial processing which includes an administrative review has been performed.

AMEND. 45-3181-01  
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

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A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 144724.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)  
(6-96)

Sincerely,  
Licensing Assistance Team Leader