



Facsimile Cover Sheet

To:	James Mullouck
Company:	NRC
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From: Kevin D. Meyer
Company: ECS Illinois, LLC
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Date: 6-5-08

Pages including this cover: 8

**ECS ILLINOIS, LLC****Geotechnical • Construction Materials • Environmental**

June 5, 2008

Mr. James Mullauer
NRC

Reference: Clarification of New NRC Application

Dear Mr. Mullauer:

Per our phone conversation today, I've made the recommended changes to our new NRC application. These revisions include:

- 1) Clarification of box number six on form 313 stating where the material will be used.
- 2) Clarification of box number seven on form 313 stating who will be the RSO for the new NRC license.
- 3) Clarification on Troxler gauge model number 3241 used to measure asphalt content.
- 4) A copy of our current Illinois and Wisconsin Radioactive Material License numbers.
- 5) A check list of items 7 through 11 from NUREG - 1556, Vol.1, Rev. 1

If you should have further questions, please don't hesitate to call.

Respectfully,

ECS ILLINOIS, LLC

Kevin D. Moyer

Kevin D. Moyer
Radiation Safety Officer

A large, stylized handwritten signature in black ink, appearing to read 'Brett Gitskin'. The signature is written over a horizontal line and extends across the width of the page.

Brett Gitskin, P.E.
President



Illinois Emergency Management Agency
Division of Nuclear Safety

Rod R. Blagojevich, Governor
Andrew Velasquez III, Director
Joseph G. Klinger, Assistant Director

January 25, 2008

Radioactive Material License
IL-02061-01

Brett Gitskin
Vice President
ECS Illinois, LLC
1575 Barclay Boulevard
Buffalo Grove, IL 60089

Dear Mr. Gitskin:

Enclosed is amendment number 10 to your License Number IL-02061-01. For your convenience, the changes are boldfaced on this license amendment. Note that your letter, with attachments dated December 22, 2006 in response to a management conference with the Agency applies to the newly added use/storage location, new authorized users, radiation safety program, etc. as amended on this license.

Please review the enclosed document carefully and be sure that you understand all conditions. You must conduct your program involving radioactive material in accordance with the conditions of your Illinois license, representations made in your license application, and Illinois regulations.

You must request and obtain an appropriate amendment if you plan to make any changes in your facility or program. Certain amendments require that a fee be assessed and paid to the Agency. If applicable, you will be billed in accordance with the requirements of 32 Ill. Adm. Code Part 331.120.

You will be inspected periodically by this agency. Failure to conduct your program in accordance with IEMA regulations and your license will result in enforcement action.

Thank you for your cooperation in this matter. When corresponding with this office, please refer to your License Number and ensure that all items are submitted in duplicate. If you have any questions, please contact Radioactive Materials Licensing at (217) 785-9947.

Sincerely,

Charles G. Vinson



CGV:SMK:kjc

Enclosure
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STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND FAMILY SERVICES

RADIOACTIVE MATERIALS LICENSE

Under s.254.365, Wisconsin Statutes and Chapter HFS 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 HFS 157, Wisconsin Administrative Code. This license is subject to all applicable rules and orders of the Wisconsin Department of Health and Family Services (DHFS) including Chapter HFS 157, Wisconsin Administrative Code now or hereafter in effect, and to any conditions specified below.

<p style="text-align: center;">Licensee Name and Address</p> <p>1. ECS Illinois, LLC</p> <p>2. 1575 Barclay Boulevard Buffalo Grove, IL 60089</p>	<p>3. License Number: 105-1221-01</p> <hr/> <p>4. Amendment No.:</p> <hr/> <p>5. Expiration Date: December 31, 2012</p>
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6. Radioactive material:	7. Chemical and/or physical form:	8. Maximum amount of radioactive materials that the licensee may possess at any one time under this license:	9. Authorized Use:
A. Cesium-137	A. Sealed source registered either with NRC under 10 CFR 32.210 or with an Agreement State.	A. No single source to exceed the maximum activity specified in the certificate of registration issued by NRC or an Agreement State. Total possession limit not to exceed 27 millicuries.	A through B: To be used in Troxler Electronic Laboratories, Inc. Model 3440 gauge for measuring the moisture content and density of construction materials.
B. Americium-241:Be	B. Sealed source registered either with NRC under 10 CFR 32.210 or with an Agreement State.	B. No single source to exceed the maximum activity specified in the certificate of registration issued by NRC or an Agreement State. Total possession limit not to exceed 120 millicuries.	

APPENDIX B

ITEMS 7 THROUGH 11: TRAINING AND EXPERIENCE, FACILITIES AND EQUIPMENT, RADIATION SAFETY PROGRAM, AND WASTE DISPOSAL

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
<p>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE – RADIATION SAFETY OFFICER</p> <p>Name: <u>Kevin D. Moyer</u></p>	<p>Before obtaining licensed materials, the proposed RSO will have successfully completed one of the training courses described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety Program and Their Training and Experience – Radiation Safety Officer" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.</p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>
<p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS</p>	<p>Before using licensed materials, authorized users will have successfully completed one of the training course described in Criteria in the section entitled "Training for Individuals Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. 1, Rev 1, dated November 2001.</p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>
<p>9. FACILITIES AND EQUIPMENT</p>	<p>No information needs to be submitted in response to this item; key issues are addressed under "Radiation Safety Program – Public Dose" and "Radiation Safety Program – Operating and Emergency Procedures."</p>	<p>Separate Item 9 Response Need Not Be Submitted With Application</p>	
<p>10. RADIATION SAFETY PROGRAM – AUDIT PROGRAM</p>	<p>The applicant is <i>not</i> required to, and should not, submit its audit program to NRC for review during the licensing phase.</p>	<p>Need Not Be Submitted With Application</p>	
<p>10. RADIATION SAFETY PROGRAM – TERMINATION OF ACTIVITIES</p>	<p>The applicant is <i>not</i> required to submit a response to the termination of activities section during the initial application. However, when the license expires when the licensee ceases operation, NRC Form 314 must be submitted.</p>	<p>Need Not Be Submitted With Application</p>	
<p>10. RADIATION SAFETY PROGRAM – SURVEY INSTRUMENTS</p>	<p>We will either possess and use, or have access to and use, a radiation survey meter that meets the Criteria in the section entitled "Radiation Safety Program – Instruments" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.</p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>

APPENDIX B

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
<p>10. RADIATION SAFETY PROGRAM – MAINTENANCE</p>	<p><i>Routine Cleaning and Lubrication</i> We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.</p> <p><i>Non-Routine Maintenance</i> We will send the gauge to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.</p>	<p><input checked="" type="checkbox"/></p> <p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p>The information listed in Appendix G supporting a request to perform non-routine maintenance in-house is attached.</p>
<p>10. RADIATION SAFETY PROGRAM – TRANSPORTATION</p>	<p>The applicant is <i>not</i> required to submit its response to transportation during the licensing process. However, this issue will be reviewed during inspection.</p>	<p>Need Not Be Submitted With Application</p>	
<p>11. WASTE MANAGEMENT – GAUGE DISPOSAL AND TRANSFER</p>	<p>The applicant is <i>not</i> required to submit a response to waste management during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.</p>	<p>Need Not Be Submitted With Application</p>	

6 Purposes for which licensed material will be used

Troxler Electronics Model 3400 series gauges will be used for measuring moisture/density content of various construction materials including soils, aggregate, and asphalt within Indiana, and Federally owned land in Illinois and Wisconsin.

Humboldt Scientific Model 5001 gauges will be used for measuring moisture/density content of various construction materials including soils, aggregate, and asphalt within Indiana, and Federally owned land in Illinois and Wisconsin.

Troxler Electronics Model 3216 gauge will be used for measuring the moisture content of asphalt based roofing materials within Indiana, and Federally owned land in Illinois and Wisconsin.

Troxler Electronics Model 3241 gauge will be used to measure the asphalt content of bituminous mixes within Indiana, and Federally owned land in Illinois and Wisconsin.

7 Individuals Responsible for Radiation Safety Program and their Training Experience

Kevin D. Moyer - RSO for NRC and IEMA license covering Buffalo Grove, Bridgeview, Kankakee, IL, and Milton, Wisconsin offices.

Scott Bierbaum - Authorized Assistant for NRC license in Bridgeview and Kankakee, IL.

Dave Novotny - Authorized Assistant for NRC license in Bridgeview, IL.

Rick Lou - RSO for our Wisconsin State license, and Authorized Assistant for NRC license for Milton, Wisconsin office.

8 Training for Individuals Working in or Frequenting Restricted Areas

Before using licensed materials, authorized users will have successfully completed one of the training courses described in Criteria in the section entitled 'Training for Individuals Working In or Frequenting Restricted Areas' in NUREG-1556, Vol. 1, Rev. 1, 'Consolidated Guidance about Materials licenses: Program-Specific Guidance about Portable Gauge Licenses,' dated November 2001.

All portable nuclear gauge users will have a current user/safety certification, and a HAZMAT certification provided by Troxler Labs, the Local 150 Skills Improvement Program, or similar applicable training agency prior to gauge operation.

Copies of all authorized users certifications will be filed at all offices listed in Box 3 of form 313.

9 Facilities and Equipment

All portable nuclear gauges will be stored in a locked cabinet at the addresses listed in box 3 of this application. Keys for the cabinets will only be administered after the user provides copies of current user and HAZMAT certifications by a recognized training facility or gauge manufacturer. Access to the storage cabinet by unauthorized users will not be permitted under any circumstance.

The RSO defines an "authorized user" as someone with a current user and HAZMAT certification, and someone who has been given individual instruction on ECS safety and security policies.