



December 3, 2019

Mr. Jason M. Kelly, MPH  
Material Licensing Branch  
United States Nuclear Regulatory Commission – Region III  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532

RE: License Amendments  
Add Gauge Type Request  
License Number: 24-32231-01

Dear Mr. Kelly,

The purpose of this letter is to request an amendment to a license held by Jacobi Geotechnical Engineering, Inc. (Jacobi); NRC Material License Number 24-32231-01.

Jacobi requests to add five Troxler 3400 series nuclear density gauge to the referenced NRC Material License. The material to be possessed and proposed use is presented below.

Radionuclide	Manufacturer and Model	Quantity	Uses as Listed on SSD Registration Certificate	Specify Other Uses Not Listed on SSD Registration Certificate
Cesium-137	Troxler 3400 Series	8 mCi per gauge. Less than or equal to 5 gauges.	Measure physical properties of soil, aggregate, pavement, and applicable construction and geo-materials	Not Applicable
Americium-241	Troxler 3400 Series	40 mCi per gauge. Less than or equal to 5 gauges.	Measure physical properties of soil, aggregate, pavement, and applicable construction and geo-materials	Not Applicable

If you have any question or request additional information, please contact Jared Holland by email at [jholland@jacobiengineer.com](mailto:jholland@jacobiengineer.com) or by phone at 636.978.7112.

Sincerely,

Jacobi Geotechnical Engineering, Inc.

  
Jared V. Holland, P.E.  
Managing Director

**Kelly, Jason**

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**From:** Jared Holland <jholland@jacobiengineer.com>  
**Sent:** Tuesday, December 3, 2019 11:26 AM  
**To:** Kelly, Jason  
**Subject:** [External\_Sender] RE: NRC Radioactive Material License #24-32231-01  
**Attachments:** NRC Amendment - Add Troxler Gauge.pdf

Good morning, Mr. Kelly.

I usually just put senior engineer on letters. I am actually the Managing Director of the firm. The revised letter is attached. Let me know if anything else is needed. Happy to help if I can.

**Jared V. Holland, P.E.**

cell 618.779.1515 | email: [jholland@jacobiengineer.com](mailto:jholland@jacobiengineer.com)

**JACOBI GEOTECHNICAL ENGINEERING, INC.**

798 Hoff Road, O'Fallon, Missouri 63366 | Office 636.978.7112 | Fax 636.978.7113  
110 West Main Street, Suite B, Belleville, Illinois 62220 | Office 618.538.6666

**From:** Kelly, Jason [mailto:Jason.Kelly@nrc.gov]  
**Sent:** Tuesday, December 3, 2019 7:43 AM  
**To:** jholland@jacobiengineer.com  
**Subject:** NRC Radioactive Material License #24-32231-01

Mr. Holland:

I reviewed your request to add authorization for the Troxler Electronic Laboratories, Inc., Model 3400 Series portable moisture/density gauging devices to your company's U.S. NRC Radioactive Materials License #24-32231-01. Everything appears to be in order for us to proceed with your request, except we need to have the request signed by the Radiation Safety Officer or a management representative (e.g., General Manager, Vice President, Chief Operations Officer, etc.). In the past, correspondence from Jacobi Geotechnical Engineering, Inc., has been signed by Carl L. Jacobi, Radiation Safety Officer.

Please resubmit your request, having the request signed also be Carl L. Jacobi, Radiation Safety Officer, or another management representative. Thank you in advance for your prompt response. As soon as this is received, I do have everything ready to proceed with having the amendment reviewed and signed by one of our senior staff members.

**Jason M Kelly, MPH**  
**Health Physicist**  
**Materials Licensing Branch**  
**U.S. Nuclear Regulatory Commission**  
**Region III**  
**2443 Warrenville Road, Suite 210**  
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