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FAX TRANSMITTAL

PLEASE DELIVER IMMEDIATELY UPON RECEIPT

TO: U.S Nuclear Regulatory Commission, Region III
Materials Licensing Branch
630-515-1078

FROM: Bruce Dawson, RSO

DATE: March 11, 2008

RE: License 24-20089-01 Amendment

Attached are requested revisions to the referenced license.

Sheet 1 of 4

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Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

RE: Amendment Request
License Number 24-20089-01

Materials Licensing Branch:

We are requesting an amendment to our current license, 24-20089-01 due to a proposed increase in our inventory of portable gauges. One additional gauge is proposed, by a different manufacturer than shown in Section 9, *Authorized Use* of our current license. In addition, this additional gauge will increase our quantity possession above our *Total Activity Limit*, as shown on our current license.

Therefore, we request our license to be amended as follows:

- Section 6: A. Cesium-137, Total Activity not to exceed 80 millicuries
 B. Americium-241, Total Activity not to exceed 400 millicuries
- Section 9: A. and B. To be used in Troxler Model 3400 Series and/or
 InstroTek Model 3500 Series surface moisture/density gauges for
 measuring physical properties of materials.

We anticipate delivery of the new gauge from InstroTek Inc. about mid-April 2008. As discussed with Toye L. Simmons, please expedite this request. We have also revised and updated our Radiation Safety Program. A copy is attached for your review. The balance of our current license remains unchanged.

If you have any questions or require additional information, please contact this office.

Sincerely,



David A. Bennett
Vice President - Engineering

Enclosures (2)

Other Offices
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**ENGINEERING SURVEYS & SERVICES
RADIATION SAFETY PROGRAM**

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Item 10.1: Audit Program

Internal audits will be performed annually to insure compliance with NRC and DOT regulations and the terms and conditions of the license. The scope of the audit will follow the suggested format shown in Appendix F of NUREG – 1556, Vol. 1, Rev.1 as applicable. All potential issues identified during the audit will be reviewed by the RSO and corrective action performed in a timely manner if warranted. Audit records shall be retained and available for review.

Item 10.2: Termination of Activities

The NRC will be notified in writing within 60 days of when principal activities have not been conducted for a period of 24 months or a decision has been made to permanently cease license activities. NRC Form 314, *Certificate of Disposition of Materials*, will be submitted to document and certify the disposition of terminated licensed materials.

Item 10.3: Instruments

All personnel authorized to operate the devices shall have access to a radiation survey meter (A TROXALERT Radiation Survey Meter or equivalent) capable of detecting gamma radiation.

Item 10.4: Material Receipt and Accountability

Physical inventories will be conducted at intervals not to exceed six months to account for all sealed sources and devices received and possessed under the license. A daily log system will be maintained to document the date, authorized user, and location of each gauge in transit.

Item 10.5: Occupational Dosimetry

All personnel authorized to operate the devices shall wear an acceptable dosimetry device such as a film badge or a Thermo-Luminescent Dosimeter (TLD). Landauer, Inc., 2 Science Road, Glenwood, Illinois 60425-1586 is the NVLAP approved processor and shall provide dosimetry evaluation at their recommended frequency.

Item 10.6: Public Dose

Licensed gauges shall be stored and physically secured against tampering or removal by unauthorized users. Storage areas shall be located to reduce the risk of exposure to the public and/or unmonitored users.

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RADIATION SAFETY PROGRAM**

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Item 10.7: Operating and Emergency Procedures

Written operating and emergency procedures are provided to all personnel who use the device. The procedures include:

1. Instructions to use gauge and perform routine maintenance per manufacturer's recommendations and instructions.
2. Instructions to maintain security during storage and transportation.
3. Instructions to keep the gauge under control and immediate surveillance during use.
4. Steps to take to keep radiation exposures ALARA.
5. Steps to maintain accountability during use.
6. Steps to control access to a damaged gauge.
7. Steps to take, and whom to contact, when a gauge has been damaged.

Item 10.8: Leak Tests

Leak tests will be performed on each gauge at six month intervals by qualified personnel. Qualified personnel may be authorized users of this firm or outside commercial laboratories qualified to perform the required leak testing in accordance with the manufacturer's instructions. The Troxler Model 3880 Leak Test Kit or equivalent will be used to conduct the leak tests. The leak tests will be evaluated by a qualified commercial laboratory authorized by the NRC.

Item 10.9: Maintenance

We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.

We will send the gauge to the manufacturer or other person authorized by the NRC to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.

Item 10.10: Transportation

Packaging and transport of the device will be carried out in accordance with Engineering Surveys & Services HAZMAT program.