



NTH Consultants, Ltd.

Infrastructure Engineering
and Environmental Services

38955 Hills Tech Drive
Farmington Hills, MI 48331
248.553.6300
248.324-5178 Fax

August 2, 2007

United States Nuclear Regulatory Commission
801 Warrenville Road
Lisle, Illinois 60532-4351

Attn: Administrator

RE: LICENSE 21-14894-01
Additional information regarding theft of Moisture Density Gauge No. 14237

In accordance with 10 CFR 20.2201(d), we are providing a written report regarding additional information related to the theft of a Troxler Model 3401-B moisture-density gauge, serial no. 14237. A written report of the theft was originally made verbally and followed with a letter to the Region III Materials Inspection Section dated June 24, 1991.

DESCRIPTION OF LICENSED MATERIAL

The theft involved a Troxler Model 3401-B moisture-density gauge (Serial No. 14237) containing two sealed sources. The sources consist of 0.3 GBq (8mCi) of Cesium-137 (Serial No. 50-2849) and 1.48 GBq (40 mCi) of Americium 241:Be (Serial No. 47-9398). Both sources are special form, solid.

ADDITIONAL INFORMATION

On July 13, 2007 our equipment manager received a phone call from Mr. Geoff Warren of the Nuclear Regulatory Commission informing us that our moisture-density gauge, missing since June 12, 1991, had been located in the attic of a private residence in Livonia, Michigan. It was reported to us that Mr. William Martin, the current owner of the house, discovered the gauge in its case in the attic of his home. Mr. Martin contacted Troxler Electronic Laboratories, the manufacturer of the gauge, who in turn notified the Nuclear Regulatory Commission.

Our assistant Radiation Safety Officer made arrangements with the homeowner to recover the gauge. A radiation survey of the gauge along with visual inspection indicated that the sealed sources appeared intact in their housings. A field leak test of the sources was conducted and indicated no removable contaminants to be present. The gauge was secured and returned to our authorized storage area early afternoon on July 13, 2007. Mr. Ken Lambert with the NRC was contacted to inform him that the gauge was secure and in our possession. In addition, Mr. John Cadwell with Troxler Electronic Laboratories was contacted and was informed that we were in possession of the gauge. A leak test was performed on the gauge and results indicated less than 0.0001 microcuries removable contamination. The gauge will now be sent out for inspection and calibration and will be returned to service.

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The Northfield Township Police Department was contacted on July 24, 2007 to provide additional information to their Case No. 1258-91. Their investigation is ongoing.

If you require further information or have any questions, please feel free to contact us.

Sincerely,

NTH Consultants, Ltd.

A handwritten signature in black ink, appearing to read 'James J. Parsons'.

James J. Parsons, P.E.
Radiation Safety Officer

A handwritten signature in black ink, appearing to read 'Kevin B. Hoppe'.

Kevin B. Hoppe, P.E.
Chairman & Chief Financial Officer

JJP/BT/



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Infrastructure Engineering
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38955 Hills Tech Drive
Farmington Hills, MI
48331-3432

JJP/sdp

**US NRC Region III
2443 Warrenville Road
Suite 210
Lisle, Illinois 60532-4352**

