



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

June 30, 2022

EN 55883
NMED No. 220220 (Closed)

Ms. Francine Scharver
Corporate Safety Officer
CTL Engineering, Inc.
2860 Fisher Road
Columbus, OH 43204

SUBJECT: NRC REACTIVE INSPECTION REPORT NO. 03035093/2022001(DNMS) – CTL
ENGINEERING, INC.

Dear Ms. Scharver:

From May 5 through June 8, 2022, an inspector from the U.S. Nuclear Regulatory Commission (NRC) conducted a remote reactive inspection to follow up on an event notification (EN 55883) dated May 5, 2022, of a stolen nuclear density gauge in Hurricane, West Virginia. The purpose of the inspection was to review activities performed under your NRC license to ensure that activities were being performed in accordance with NRC requirements. The in-office review included a review of pictures and documents relating to the theft of the nuclear gauge and the 30-day written report. Mr. Luis Nieves of my staff conducted a final exit meeting by telephone with you on June 8, 2022, to discuss the inspection findings. This letter presents the results of the inspection.

During this inspection, the NRC staff examined activities conducted under your license related to public health and safety. Additionally, the staff examined your compliance with the Commission's rules and regulations as well as the conditions of your license. Within these areas, the inspection consisted of selected examination of procedures and representative records, and interviews with personnel. Based on the results of this inspection, the NRC has determined that no violations of NRC requirements have occurred. The details of the inspection are provided in the enclosed inspection report.


In accordance with the NRC's "Rules of Practice," in 10 CFR 2.390, a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>.

F. Scharver

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Please feel free to contact Mr. Nieves of my staff if you have any questions regarding this inspection. Mr. Nieves can be reached at 630-829-9571.

Sincerely,

A handwritten signature in cursive script that reads "Michael A. Kunowski".

Signed by Kunowski, Michael
on 06/30/22

Michael Kunowski, Chief
Materials Inspection Branch
Division of Nuclear Materials Safety

Docket No. 030-35093
License No. 34-18533-02

Enclosure: Narrative Inspection Report

cc w/encl: State of Ohio

Letter to F. Scharver from M. Kunowski, dated June 30, 2022.

SUBJECT: NRC INSPECTION REPORT NO. 03035093/2022001(DNMS) – CTL
ENGINEERING, INC.

DISTRIBUTION w/encl:

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OFFICE	RIII-DNMS		RIII-DNMS					
NAME	LNieves:brt		MKunowski					
DATE	06/28/22		06/30/22					

OFFICIAL RECORD COPY

**U.S. Nuclear Regulatory Commission
Region III**

Docket No.	030-35093
License No.	34-18533-02
Report No.	03035093/2022001(DNMS)
NMED/EN No.	NMED 220220, EN 55883
Licensee:	CTL Engineering, Inc.
Facility:	2860 Fisher Road Columbus, OH 43204
Inspection Dates:	May 5, 2022 - June 8, 2022
Exit Meeting Date:	June 8, 2022
Inspector:	Luis Nieves, Health Physicist
Approved By:	Michael Kunowski, Chief Materials Inspection Branch Division of Nuclear Materials Safety

Enclosure

EXECUTIVE SUMMARY

CTL Engineering, Inc. NRC Inspection Report 03035093/2022001(DNMS)

This was a remote reactive inspection, performed to review the circumstances involving Event Notification (EN) EN 55883, Nuclear Materials Events Database (NMED) item number 220220, on May 5, 2022. CTL Engineering (licensee) reported to the NRC the theft of a Troxler model 3430 portable gauge, serial number 65490, that contained a 1.48 Gigabecquerels (GBq) (40 millicuries (mCi)) americium-241/beryllium source and a 0.3 GBq (8 mCi) cesium-137 source. The licensee stated that the gauge was stolen during the night of May 4, 2022, while the licensee vehicle was parked at the hotel where the gauge user was staying.

A Region III inspector contacted the licensee to get the details of the event and reviewed photographs and documents related to the event. Based on this review and a discussion with the licensee, the inspector did not identify any violations associated with the stolen gauge. The gauge user had properly secured the device in the truck with chains, which subsequently had been cut by the thief. The gauge has not been recovered.

REPORT DETAILS

1 Program Overview and Inspection History

CTL Engineering, Inc. (licensee) is authorized under NRC Materials License No. 34-18533-02 to use licensed material for measuring physical properties of materials with portable nuclear gauging devices. The license main office is located in Columbus, Ohio, with two field offices in Indianapolis, Indiana and Morgantown, West Virginia. Licensed material is authorized to be used anywhere in the United States in areas of NRC jurisdiction. The licensee uses the gauges on a daily basis for construction engineering projects. The licensee had fifteen gauges at the West Virginia location and nine trained authorized users (AUs). At the Indianapolis location, the licensee had six gauges and four trained AUs.

2 Security of Portable Gauges

2.1 Inspection Scope

This was a remote inspection to review the circumstances of a stolen nuclear density gauge. On May 5, 2022, the licensee reported to the NRC a stolen gauge (EN 55883). The incident occurred over night in the hotel where the gauge user was staying, in Hurricane, West Virginia. The inspector interviewed the Corporate Radiation Safety Officer who was the licensee representative reviewing this event.

2.2 Observations and Findings

This was a remote reactive inspection of the circumstances involving Event Notification (EN) 55883, Nuclear Materials Events Database (NMED) item number 220220, on May 5, 2022. The licensee contacted the NRC's Headquarters Operations Center to report the theft of a Troxler model 3430 portable gauge, serial number 65490, that contained a 1.48 Gigabecquerels (GBq) (40 millicuries (mCi)) americium-241/beryllium source and a 0.3 GBq (8 mCi) cesium-137 source. The licensee stated that the gauge was stolen during the night of May 4, 2022, while the licensee vehicle was parked at the hotel where the gauge user was staying.

The licensee described how the gauge was secured in the back of the pickup truck prior to the theft of the device and described how the three chains and two locks met the requirements of Title 10 of the Code of Federal Regulations (10 CFR) 30.34(i). The licensee had photographs of the chains that had been cut by thief to support the contention that the gauge had been properly secured in the truck. As part of the response to the stolen gauge, the licensee filed a police report and also reached out to pawn shops in the area in the hopes of finding it but was unable to find or recover the gauge.

The inspector reviewed the EN and the subsequent 30-day written report. The initial report and subsequent notification were performed within the required time frames required and contained the appropriate information; the nuclear gauge was secured with two barriers at the time of the theft, complying with the regulations. NMED 220220 is closed.

2.3 Conclusions

No violations were identified as a result of this inspection.

3 **Exit Meeting Summary**

The NRC inspector presented a final exit meeting on June 8, 2022, following the remote inspection. The licensee did not identify any documents or processes reviewed by the inspectors as proprietary. The licensee acknowledged the findings presented.

LIST OF PERSONNEL CONTACTED

Francine Scharver, Corporate Safety Officer

Attended exit meeting on June 8, 2022

INSPECTION PROCEDURES USED

87124: Fixed and Portable Gauge Programs