

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Thermo Gamma-Metrics, LLC 10010 Mesa Rim Road San Diego, CA 92121 Location inspected: Job site in Charlevoix, MI REPORT NUMBER(S) 2018005</p>	<p>2. NRC/REGIONAL OFFICE</p> <p>Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352</p>	
<p>3. DOCKET NUMBER(S)</p> <p>150-00004</p>	<p>4. LICENSE NUMBER(S)</p> <p>CA-3775-37</p>	<p>5. DATE(S) OF INSPECTION</p> <p>November 7, 2018</p>

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

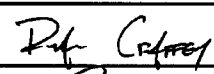
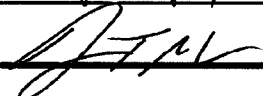
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

_____ Non-cited violation(s) were discussed involving the following requirement(s):

- 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Ryan Craffey		11/16/2018
BRANCH CHIEF	Aaron McCraw		11/30/2018

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Thermo Gamma-Metrics, LLC 10010 Mesa Rim Road San Diego, CA 92121 Location inspected: Job site in Charlevoix, MI REPORT NUMBER(S) 2018005	2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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3. DOCKET NUMBER(S) 150-00004	4. LICENSE NUMBER(S) CA-3775-37	5. DATE(S) OF INSPECTION November 7, 2018
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6. INSPECTION PROCEDURES USED 87126	7. INSPECTION FOCUS AREAS FE 3-7
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03225	2. PRIORITY 5	3. LICENSEE CONTACT Ray Proctor - Alternate RSO	4. TELEPHONE NUMBER (858) 812-2613
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- Main Office Inspection Next Inspection Date: TBD
- Field Office Inspection _____
- Temporary Job Site Inspection 16000 Bells Bay Road, Charlevoix, MI _____

PROGRAM SCOPE

This was an announced field inspection of a fixed gauge manufacturer authorized by the State of California to use radioactive material for numerous applications, including but not limited to manufacturing, distribution, installation, service, and disposal of gauging devices. The licensee used this license to perform installation, removal, and service of such devices in NRC jurisdiction under the terms of a reciprocity request approved in January 2018. The scope of this inspection was limited to observations of licensed activities (sealed source handling, leak test collection and analysis) at the St Marys Cement facility in Charlevoix, Michigan, where two Thermo Fischer cross-belt elemental analyzers containing Cf-252 were in use under NRC Materials License No. 21-32044-01 (Docket No. 030-34588).

PERFORMANCE OBSERVATIONS: The inspector accompanied the licensee's field service engineer at the job site in Charlevoix and observed the handling of sealed sources incident to the collection of leak tests for both elemental analyzers. The inspector conducted independent and confirmatory surveys in the vicinity of these sources, and noted the use of adequate personal protective equipment, ALARA practices, and personnel monitoring (including extremities) throughout. The inspector observed as the technician used a calibrated SE International Inspector instrument to analyze the leak test samples, and discussed with him the implementation of licensee procedures for responding to a test indicative of leakage. The inspector and technician also discussed the implementation of procedures for analyzer source exchanges, with a focus on receipt and security of packages containing radioactive material and ALARA practices implemented during exchanges.

The inspector reviewed a selection of records available on site, including annual survey instrument calibrations and a record of leak test analysis for the client. The inspector also noted that the reciprocity change report filed by the licensee on October 22, 2018, accurately reflected the work performed. The inspector contacted the licensee's alternate RSO following the onsite inspection to request and review documentation demonstrating the adequacy of instrument used to perform leak test analysis, as well as documentation recent personnel monitoring results for the technician.

No violations of NRC requirements were identified as a result of this inspection. The inspector conducted an exit meeting with the alternate RSO on November 15, 2018.

Craffey, Ryan

From: Craffey, Ryan
Sent: Monday, December 03, 2018 12:53 PM
To: 'Proctor, Ray'
Cc: Barnes, Rob; Portz, Matthew
Subject: NRC Inspection Report
Attachments: NRC Inspection Report - Thermo Gamma-Metrics (Charlevoix 2018).pdf

Good afternoon Mr. Proctor,

Attached is a copy of the report for my inspection of Thermo Gamma-Metrics at a job site in Charlevoix, MI last month. Since no violations were identified, no additional action on your part is required, but if you have any questions or concerns about this inspection, please feel free to reach out any time.

Thank you!

Ryan Craffey

Health Physicist
US Nuclear Regulatory Commission
Materials Inspection Branch, Region III
(630) 829-9655