



**ENVIRONMENTAL TESTING  
& CONSULTING**

June 18, 2018

Marcus Quin  
USNRC – Region III - Admin  
Warrenville Rd., Suite 210  
Lisle, IL 60532-4352  
630-829-9500

### **RE: Report of theft or loss of Licensed Material**

Mr. Quin,

This report was written in accordance with; 10 C.F.R. § 20.2201 (a) (1) (ii) on behalf of Environmental Testing and Consulting, located at 38900 W. Huron River Dr, Romulus, MI 48174 to detail the theft or loss of licensed radioactive material. The product involved in this report is one XRF Paint Analyzer (XRF) made by Heuresis Corporation. The serial number of the unit is 1166. The model is Pb200i and has a nominal source 57Co, 5 mCi. Both the protective lined case and unit disappeared together.

The last time the XRF was used for testing was April 5<sup>th</sup>, 2018. At this point the analyzer started to malfunction, our on-site technician (Nicholas Pfund) waited to resume testing until a replacement analyzer had arrived on site. Within the next week, Mr. Pfund downloaded data from the missing analyzer to a computer in order to produce a report. That is the last known time ETC was in possession of the XRF. Later on in the month a technician went to grab the XRF in order to ship it for repair to the manufacturer. ETC was unable to find the XRF at this time.

After realizing the XRF was missing Mr. Pfund reported the problem to the Radiation Safety Officer (Mr. Jeremy Westcott). The RSO had Mr. Pfund put together a list of properties where he had worked after the job on April 5<sup>th</sup> until present day May 2<sup>nd</sup>. with the XRF in question. Mr. Pfund then went to the multiple properties to check if XRF was left there. For some properties he was unable to talk to the owner/tenant over the phone to verify that the unit was not there, if he got no response, he went personally to those locations to check for the XRF.

Generally, a technician would not carry in two XRFs into a job site/property. The only time two XRFs were in a property together was when the XRF in question started to malfunction and we had a replacement XRF brought to Mr. Pfund that day. A thorough search of the technician's office, car, and home failed to result in the finding of the XRF.

Environmental Testing and Consulting  
38900 W. Huron River Drive, Romulus, MI 48174  
(734) 955-6604 WWW.2ETC.com

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To our best knowledge, the XRF was likely taken from the technician's vehicle while on a jobsite. There was no known exposure to individuals during the loss or theft of the XRF. The radiation leak test of this device is up to date and ETC maintains copies of these and is available upon request.

Moving forward, ETC will implement efforts to guard against recurrence of the loss or theft of an XRF by the following:


1. No technician shall possess more than one XRF analyzer at any given time.
2. Tile, Inc. makes a product called *Tile Mate* that is used to track items. We are currently testing the accuracy and reliability of the product and plan to buy a Tile Mate for all XRF cases to allow us to view the location of all XRFs in real time.
3. When not in use, all XRFs are stored in a locked equipment room and must be checked out for the day.
4. All required paperwork is in the XRF case, including emergency contact information and a reward with a monetary value if the XRF is found, with no questions asked.
5. XRFs are to be kept in the trunk or most secure portion of the technician's vehicles during transportation.

Thank you for selecting ETC. It has been a pleasure working with you. Further environmental services are available upon request. If you have any questions regarding this report, please feel free to contact me at (734) 955-6600.

Sincerely,

**Environmental Testing & Consulting, Inc.**

  
Jeremy Westcott  
Radiation Safety Officer (RSO)

  
Nick Pfund  
(Lead Inspector / Risk Assessor)

  
Alan Hill  
Lead Services Manager

ORIGIN ID:NFBA (734) 649-9682  
JEREMY WESTCOTT  
38900 W. HURON RIVER DRIVE  
ROMULUS, MI 48174  
UNITED STATES US

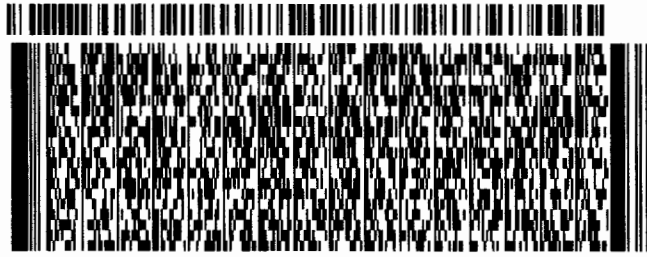
SHIP DATE: 19JUN18  
ACTWGT: 1.00 LB  
CAD: 108277585/NET3980  
BILL SENDER

TO **MARCUS QUIN**

**USNRC REGION III ADMIN  
WARRENVILLE RD, SUITE 210  
LISLE IL 60532**

552,2930FDC-A5

(630) 829-9500 REF:  
INV: DEPT:  
PO:

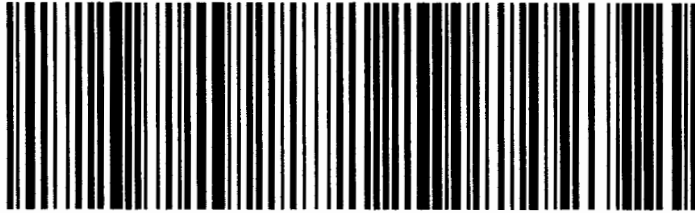


**WED - 20 JUN 3:00P  
STANDARD OVERNIGHT**

TRK# 7725 0821 4575  
0201

**NA ENLA**

60532  
IL-US ORD



**RI**

RECEIVED JUN 20 2018

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