

(304) 779-2131  
(304) 779-2132  
(304) 779-2133



**Esmer & Associates, Inc.**  
**Consulting Engineers**

P.O. Box 426 – Boomer, West Virginia 25031

(304) 779-9679  
FAX (304) 779-2859  
www.esmerassociates.com

U.S. Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415  
Att: LAT

*br 3*

Date: 05-05-2010

*03012818*

Re: License Amendment to No. 47-17478-01

2010 MAY -7 PM 12:36

RECEIVED  
REGION 1

Dear Sir Madam:

I would like to request an amendment to Radioactive Material License No. 47-17478-01 to authorize Esmer & Associates, Inc. to use the InstroTek, Inc. Model 3500 Xplorer nuclear moisture/density gauge for measurement of soils and construction materials. The Model 3500 is registered under Sealed Source & Device Registration Certificate No. NC-1241-D-101-S, and contains the following sealed sources:

1. Cs-137 (AEA Technology QSA Model No. CDC.805 or Isotope Products Laboratories Model HEG-137)  
Maximum activity: 11 mCi
2. Am-241:Be (AEA Technology QSA, Inc. Model No. AMN.V977 or Isotope Products Laboratories Model AM1.NO2)  
Maximum activity: 44 mCi

Please let me know if I can provide any additional information.

Sincerely,

*Anthony Fragale*

Anthony Fragale  
RSO

*144663*

NMSS/RGN1 MATERIALS-002

This is to acknowledge the receipt of your letter/application dated

5/5/2010, and to inform you that the initial processing which includes an administrative review has been performed.

☒ AMEND. 47-17478-01  
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

---

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 144663.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.