

FOXFIRE CONSULTANTS, INC.

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May 11, 2011

Ms. Michele Beardsley, Health Physicist
Materials Security and Industrial Branch
Division of Nuclear Materials Safety
United States Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

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2011 MAY 11 AM 11:17

RECEIVED

Re: License Amendment 47-23771-01

03031598

Dear Ms. Beardsley:

I would like to request an amendment to Radioactive Material License No. 47-23771-01 to authorize Foxfire Consultants, Inc. ("Foxfire") to use an additional InstroTek, Inc. Model 3500 Xplorer nuclear moisture/density gauge ("Model 3500 gauge") for measurement of soils and construction materials. Currently, Foxfire is authorized for the following Model 3500 gauge, 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

In order for Foxfire to be authorized for the use of an additional Model 3500 gauge, Foxfire's Radioactive Material License would need to reflect an increase in the maximum activity authorized for the sealed sources associated with the Model 3500 gauge to the following:

1. Cs-137 (AEA Technology QSA Model No. CDC.805 or Isotope Products Laboratories Model HEG-137)
Maximum activity: 22 mCi

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2. Am-241:Be (AEA Technology QSA, Inc. Model No. AMN.V977 or Isotope Products Laboratories Model AM1.NO2)
Maximum activity: 88 mCi

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

Sincerely,

A handwritten signature in black ink, appearing to read "Dusty Nagle". The signature is fluid and cursive, with the first name "Dusty" being more prominent and the last name "Nagle" following in a similar style.

Dusty Nagle,
Radiation Safety Officer

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

5/11/2011, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment (47-23771-01) 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** 575148.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.