



100 Midland Rd  
Oak Ridge, TN 37830  
USA

1 865.220.8700  
www.flir.com

FLIR Detection, Inc.  
State TN License Number: R-01097-C24  
NRC License Number: 41-25639-01E

Director of the Office of Federal and State Materials and Environmental Management  
Programs,  
U.S. Nuclear Regulatory Commission,  
Washington, DC 20555-0001

Dated: January, 26<sup>th</sup> 2016

Attention: Document Control Desk/Exempt Distribution

Pursuant to sections §32.14 and §32.18, 10 CFR Part 32, FLIR Detection, Inc. is authorized to distribute licensed material as specified in 30.71, Schedule B, in the form of calibration sources manufactured by Spectrum Techniques, Inc. The following chart summarizes those materials transferred during the period January 1<sup>st</sup>, 2015 thru December 31<sup>st</sup>, 2015:

Source	Activity of Radionuclide (µCi)	Qty Transferred	Chemical and/or Physical Form	Total Activity (µCi)
Ba-133	1	8	Chloride / Button	8
Eu-152	1	60	Chloride / Button	60
Na-22	1	8	Chloride / Button	8
Mn-54	1	8	Chloride / Button	8
Co-57	1	8	Chloride / Button	8
Co-60	1	8	Chloride / Button	8
Cd-109	1	8	Chloride / Button	8
Cs-137	1	8	Chloride / Button	8

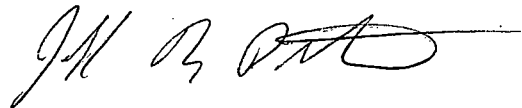
Pursuant to sections §30.15 and §30.18, 10 CFR Part 30, FLIR Detection, Inc. is authorized to distribute ionizing radiation instruments containing exempt quantities of cesium-137 and manganese-54 in the form of calibration sources manufactured by Spectrum Techniques, Inc. The following chart summarizes those materials transferred during the period January 1<sup>st</sup>, 2015 thru December 31<sup>st</sup>, 2015:

NMS 503

Source	Activity of Radionuclide (μCi)	Qty Transferred	Chemical and/or Physical Form	Total Activity (μCi)
Cs-137	0.003	8	Chloride / Laminated	0.024
Cs-137	0.015	606	Chloride / Laminated	9.090
Cs-137	0.025	6	Chloride / Laminated	0.150

A combined total of 736 exempt sources were transferred in 2015 with a combined total activity of 125.264 microcuries.

Best Regards,



Jeff Preston, PhD  
Radiation Safety Officer

CC Dennis Barket – General Manager  
CC Charles Arnott – State Tennessee, Division of Radiological Health



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United States Department of Energy  
Oak Ridge Office  
P.O. Box 2001, SE-32  
Oak Ridge, TN 37831

Dated: January, 26<sup>th</sup> 2016

Attention: Larry C. Kelly

Dear Mr Kelly:

**Reference Radionuclide Air Emission Data:**

For the calendar year 2015 no radionuclides were released either to air or water. The effective dose equivalents to members of the public were 0 REM.

Best Regards,

A handwritten signature in black ink, appearing to read "JP", with a long horizontal flourish extending to the right.

Jeff Preston, PhD  
Radiation Safety Officer

CC: Dennis Barket, VP and General Manager  
Charles Arnott, State TN, Division of Radiological Health  
Richard Struckmeyer, U.S. Nuclear Regulatory Commission