



**Newport News
Shipbuilding**

September 20, 2019

Licensing Assistance Team
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission, Region I
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713

Subject: Amending Radiation Safety Officer (RSO) name on USNRC Materials License 45-09428-02 (Docket No. 030-06585)

Dear Mr. Wardrobe,

Thank you for your prompt review of the license amendment to name Brittany A. Hurtado as the new RSO for Huntington Ingalls Industries. In response to the email provided on September 6th, I am submitting the following documentation as evidence of the items requested in bullet 1 & 2. With regard to bullet 3 the following camera models are in our inventory, 660B, 880D, and the Sentry 110. The listing below is the require information which shows the business address and the building location of the RSO. Thanks for your support in this matter.

Brittany A. Hurtado
Radiation Safety Officer
Newport News Shipbuilding
Department O30, Building 134-2
4101 Washington Avenue
Newport News, VA 23607-2770

If you have any questions, please contact me at (757) 688-9703

Sincerely,

Adrian M. Jones
Manager Test Inspection 2, RSO

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memo

To: Adrian M. Jones (O37), Radiation Safety Officer
From: Vice President, Nuclear Propulsion Division
Date: August 3, 2015
Subject: Delegation of Authority – Virginia Department of Health, Radioactive Materials License #700-383-1; NRC License 45-09428-02

You have been appointed Radiation Safety Officer for the Virginia Department of Health, Radioactive Materials License #700-383-1 and are responsible for ensuring the safe use of radiation. Your responsibilities include managing the radiation protection program; identifying radiation protection problems; initiating, recommending, or providing corrective actions; verifying implementation of corrective actions; stopping unsafe activities; and ensuring compliance with the rules. You are hereby delegated the authority necessary to meet those responsibilities, including prohibiting the use of radioactive material by employees who do not meet the necessary requirements and shutting down operations where justified by radiation safety. You are required to notify management if staff do not cooperate and do not address radiation safety issues. In addition, you are free to raise issues with the Virginia Department of Health, Radioactive Materials Program at any time. It is estimated that you will spend 40 hours per week conducting radiation protection activities.

William B. Fletcher

I accept the above responsibilities.

Adrian M. Jones, Radiation Safety Officer

CERTIFICATE OF GAMMA STANDARD SOURCE

Radionuclide: Cs 137 Half-life: 30.174 \pm .2 y
Customer: Newport News Shipbuilding P.O. No.: POM-9470-R
Catalog No.: GF-137R Source No.: 20738-1 Reference Date: 2-1-89
Contained Radioactivity: 29.0 μ Ci

Description of Source

- a. Capsule type: Rod
b. Nature of active deposit: evaporated metallic salts
c. Active diameter: 0.187"
d. Backing: N/A
e. Cover: N/A

Radioimpurities

None Detected

Method of Calibration

- (☒) The source was assayed by gamma spectrometry, integrating under the 0.662 Mev peak(s). The branching ratio(s) used was/were 0.852 gamma rays per decay.
() The source was prepared from a weight aliquot of solution whose activity in μ Ci/gram was determined by the method above.

Uncertainty of Measurement

- a. Systematic uncertainty in instrument calibration: \pm 2.1 %
b. Random uncertainty
1. In assay: \pm 0.7 %
2. In weighing(s): \pm N/A %
c. Total Uncertainty: \pm 2.8 % at the 99% confidence level.

NBS Traceability

This calibration is implicitly traceable to the National Bureau of Standards.

Notes

1. Nuclear data were taken from "Table of Isotopes", Seventh Edition, edited by C. Michael Lederer et al.
2. IPL participates in an NBS measurement assurance program to establish and maintain implicit traceability for a number of nuclides, based on the blind assay (and later NBS certification) of Standard Reference Materials. (As in NRC Regulatory Guide 4.15)

Elmer Kahn

Quality Control

ISOTOPE PRODUCTS LABORATORIES
1800 No. Keystone St., Burbank, California 91504
(818) 843-7000

CERTIFICATE OF GAMMA STANDARD SOURCE

Radionuclide: Ca 137 Half-life: 30.174 ± .2 y
Customer: Thurport News Shipbuilding P.O. No.: POM-9470-R
Catalog No.: GF-137R Source No.: 217-38-2 Reference Date: 2-1-89
Contained Radioactivity: 28.8 uCi

Description of Source

- a. Capsule type: Rad
b. Nature of active deposit: evaporated metallic salts
c. Active diameter: 0.187"
d. Backing: N/A
e. Cover: N/A

Radioimpurities

None Detected

Method of Calibration

- (☒) The source was assayed by gamma spectrometry, integrating under the 0.662 Mev peak(s). The branching ratio(s) used was/were 0.852 gamma rays per decay.
() The source was prepared from a weight aliquot of solution whose activity in uCi/gram was determined by the method above.

Uncertainty of Measurement

- a. Systematic uncertainty in instrument calibration: ± 2.1 %
b. Random uncertainty
1. In assay: ± 1.1 %
2. In weighing(s): ± N/A %
c. Total Uncertainty: ± 3.2 % at the 99% confidence level.

NBS Traceability

This calibration is implicitly traceable to the National Bureau of Standards.

Notes

1. Nuclear data were taken from "Table of Isotopes", Seventh Edition, edited by C. Michael Lederer et al.
2. IPL participates in an NBS measurement assurance program to establish and maintain implicit traceability for a number of nuclides, based on the blind assay (and later NBS certification) of Standard Reference Materials. (As in NRC Regulatory Guide 4.15)

Stere Kahn

Quality Control

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