



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

February 16, 2012

General Licensee  
EA-11-280

Docket No. 99990001

Daniel Barody  
Associate Director of Lead Inspections  
City of Danbury  
Health Department  
155 Deer Hill Avenue  
Danbury, CT 06810

SUBJECT: EXERCISE OF ENFORCEMENT DISCRETION, CITY OF DANBURY

Dear Mr. Barody:

We are sending you this letter to document our discussions regarding your possession of an X-Ray Fluorescence (XRF) device containing byproduct material in the form of Cobalt-57 (Co-57) and to provide our conclusions regarding your compliance with NRC regulations for the device.

During a telephone conversation on August 22, 2011, between Ryan Boggan and Scott Wilson of this office, we learned that the City of Danbury Health Department (CDHD) possessed one XRF device containing 12 millicuries of Co-57 that CDHD had registered with the State of Connecticut. During a telephone conversation between yourself and Steven Courtemanche of this office on December 6, 2011, you were informed that the regulation of Co-57 was transferred to the NRC from the State of Connecticut. This change occurred with the enactment of the Energy Policy Act of 2005 (Act), and the NRC regulations resulting from the Act, which became effective on August 7, 2009. You indicated that CDHD was unaware that the NRC had jurisdiction and that an NRC license was required for the device. You stated that the device had not been used since October 2011, and affirmed that CDHD would continue to secure the device in storage and not use it until corrective actions had been completed.

During additional conversations between Mr. Courtemanche and yourself and/or other members of our staff, the NRC identified that the XRF device possessed by CDHD could be configured (with the appropriate labeling and documentation) as a generally licensed (GL) device. A GL device usually consists of radioactive material contained in a sealed source within a shielded device that is designed with inherent radiation safety features so that it can be used by persons with no radiation safety experience. Consequently, a specific license under which the NRC must evaluate the adequacy of the radiation training or experience of each user is not necessary. The NRC evaluates the adequacy of GL products, ensuring that distributors meet the specific requirements in 10 CFR Part 31. Mr. Courtemanche spoke with a representative of the device manufacturer, Radiation Monitoring Devices (RMD), and verified that RMD could prepare the appropriate documentation and provide CDHD with the proper labels for the device to be configured to meet the NRC GL requirements. During a conversation between yourself and Mr. Courtemanche on January 5, 2012, you confirmed that RMD and CDHD had completed these actions.

Based on the above information, the NRC has determined that a violation of NRC requirements occurred. The violation involved the possession of byproduct material without a specific NRC license issued in accordance with the regulations in 10 CFR Part 30. Specifically, from August 7, 2009, to January 5, 2012, CDHD possessed an XRF device containing byproduct material (a sealed source containing 12 millicuries of Co-57). Although the device can be configured to meet NRC GL requirements, for the period of the violation it was not, and a specific NRC license was required.

This violation would normally be categorized at Severity Level IV; however, in accordance with NRC Enforcement Guidance Memorandum (EGM) 09-004, dated May 13, 2009, the NRC will exercise discretion and not issue a violation. The NRC's decision is based on the criteria listed in EGM 09-004. Specifically, 1) this was the first occurrence CDHD was involved in after August 7, 2009, the effective date of the requirement; 2) the failure did not result in an actual safety, health or security consequence; 3) the failure was not willful; 4) CDHD, once aware of the requirements, took appropriate action; and 5) CDHD kept the device in secure storage from October 2011 until procedures were completed to reconfigure it as a generally-licensed device.

On December 6, 2011, Mr. Courtemanche informed you of this conclusion by telephone and that a letter documenting the conclusion would be issued once the XRF device was reconfigured following the procedures of the manufacturer. No further action or response is necessary on your part. In the future, should CDHD want authorization to possess byproduct material that is not authorized by the general license provisions in 10 CFR Part 30, CDHD must submit a license application to the NRC, and receive authorization prior to receiving byproduct material.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter, and your response, if you choose to provide one, will be made available electronically for public inspection in the NRC Public Document Room or from the NRC document system (ADAMS), accessible through the NRC website at: <http://www.nrc.gov/reading-rm/adams.html>. To the extent possible, your response should not include any personal privacy, proprietary or safeguards information so that it could be made available to the Public without redaction.

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Med, Ind. & Academic Users**; then **Regulations, Guidance and Communications**. The current enforcement policy is included in the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **About NRC, Organizations & Functions; Office of Enforcement; Enforcement Documents**; then **Enforcement Policy (Under "Related Information")**. You may also obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-866-512-1800. The GPO is open from 8:00 a.m. to 5:30 p.m. EST, Monday through Friday (except Federal holidays).

Please contact Steven Courtemanche at 610-337-5075, if you have any questions regarding this matter.

D. Baroody

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Thank you for your cooperation.

Sincerely,

*/RA/*

Raymond K. Lorson, Director  
Division of Nuclear Materials Safety

cc:  
State of Connecticut

D. Baroody

3

Thank you for your cooperation.

Sincerely,

**/RA/**

Raymond K. Lorson, Director  
Division of Nuclear Materials Safety

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State of Connecticut

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**SUNSI Review Complete: Steven Courtemanche**

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