



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

April 25, 2017

Rosanne Yagovane  
TSJ, Inc.  
P.O. Box 5136  
Milford, CT 06460

SUBJECT: NEW HAVEN CLOCK COMPANY – RESULTS OF RADIOLOGICAL  
SURVEYS AND VOLUNTARY CONTROLS

Dear Ms. Yagovane:

I am writing to provide you with the radiological survey results of the U.S. Nuclear Regulatory Commission (NRC) staff's initial site visit to your property at 133 Hamilton Street, New Haven, Connecticut, which was performed on November 15, 2016.

As outlined in NRC's letter to you dated October 6, 2016, because your property had been identified as a site where radium-226 (Ra-226) was previously used in clock and watch manufacturing, the NRC requested access to your property to perform radiological testing to determine the presence of residual Ra-226. The purposes of the site visit were to: 1) identify the locations with the highest potential for contamination and gather information that can be used to refine the scoping survey plan, if needed; and 2) determine if there are health and safety concerns to current property occupants.

As discussed within the enclosed report, the NRC staff performed radiological surveys which consisted of gamma radiation scans and gamma exposure rate measurements at various locations within the buildings. Gamma exposure rate measurements in areas of buildings 1C, 1D, 10, and 11 of your complex exceed the 40 microrem per hour (above background measurements) threshold for follow-up action as discussed in NRC's procedure Temporary Instruction 2800/043 (TI) (Agencywide Documents Access and Management System (ADAMS) Accession Number ML16035A053). These measurements indicate that, with conservative assumptions, a member of the public regularly working in or occupying these areas could receive an annual dose in excess of the NRC's public dose limit of 100 millirem per year (10 CFR 20.1301).

It is important to note that NRC's initial site visit does not constitute a complete radiological characterization of the site, rather it is an indication that additional work is necessary to determine the extent of any remediation that may be necessary for this site to meet NRC's release criterion for unrestricted use in Title 10 of the *Code of Federal Regulations* (10 CFR) Part 20.1402. From our discussion held on the morning of the initial site visit, with you and your licensed contractor (Decontamination, Decommissioning & Environmental Services, LLC (DDES)), we understand that DDES is performing radiological characterization activities at the site. Furthermore, we have since received a cleanup plan from DDES which is undergoing review.

In the interim before remediation is complete, the inspection team identified the areas exceeding the threshold in NRC's TI and discussed voluntary controls with you. Based on the current uses of the areas with elevated radium readings (i.e., the area is vacant and occupancy is restricted by locks and barriers), NRC has not identified any immediate health and safety concerns, provided these controls remain in place. **Please respond to this letter within 30 business days if our summary of voluntary controls and occupancy at the above described areas has changed or differs from our description.**

It should also be noted that the NRC is currently evaluating a number of policy issues associated with the remediation of non-military sites contaminated with radium. We will be in further contact with you as decisions on these matters are reached by the Commission.

In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

We will be contacting you in the near future to answer any questions you may have regarding this letter. Additionally, you may also contact Mr. Theodore Smith, Acting Chief, Materials Decommissioning Branch, Division of Decommissioning, Uranium Recovery and Waste Programs, Office of Nuclear Materials Safety and Safeguards, at (301) 415-6721, or Mr. David Misenhimer, Project Manager, at (301) 415-6590.

Sincerely,

*/RA/*

John R. Tappert, Director  
Division of Decommissioning, Uranium Recovery  
and Waste Programs  
Office of Nuclear Material Safety  
and Safeguards

Docket Nos.: 03038975

Enclosure:  
Site Status Report

REGISTERED LETTER – RETURN RECEIPT REQUESTED

SUBJECT: NEW HAVEN CLOCK COMPANY – RESULTS OF RADIOLOGICAL SURVEYS AND VOLUNTARY CONTROLS – APRIL 25, 2017

Docket Nos.: 03038975  
Enclosure: Site Status Report

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