



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION I  
2100 RENAISSANCE BLVD.  
KING OF PRUSSIA, PA 19406-2713

April 26, 2021

Carl D. Rapp, President  
Timken Motor and Crane Services, LLC  
30 Gando Drive  
New Haven, CT 06513 USA

**SUBJECT: TIMKEN MOTOR AND CRANE SERVICES, LLC, REQUEST FOR ADDITIONAL INFORMATION, MAIL CONTROL NO. 625064**

Dear Mr. Rapp:

This is in reference to your letter dated April 6, 2021, requesting to amend NRC License No. 06-31045-01. In order to continue our review, we need the following additional information:

1. Stephen Cross is not currently listed as an authorized user on your license, and there is no indication in the information provided about him that indicates that he has previous experience performing the activities of a radiation safety officer (RSO). Please provide a description of his experience performing the duties of the RSO for the types of activities authorized by your license, the duration of the experience, and where it was obtained.
2. Please indicate how licensed material will be controlled in the new location during building construction to ensure material security and radiation protection.
3. It appears that you are requesting a partial release of portions of the building, by your request for us to approve unrestricted release of non-impacted areas of the facility. We do not usually release portions of buildings if future remediation work in other areas could contaminate the released areas. In addition, you provided only a statement that radiological survey results showed no indication of contamination or readings greater than background, but did not provide sufficient information to enable us to agree that the areas are not impacted. Please provide the following:
  - a. A description of the areas that were surveyed and considered to be unrestricted areas. You may refer to the diagrams submitted with your application dated July 25, 2015, if applicable. Include a discussion of why you believe these areas are unlikely to become affected by future remediation activities in areas that still contain licensed materials.
  - b. Provide a basis for the statement that these areas are not impacted from licensed activities, such as results of routine surveys performed at the facility. Please note that the release criteria for equipment is not acceptable as release criteria for facilities to be released for unrestricted use. In particular, the release criteria for alpha emitters is very restrictive compared to those for beta-gamma emitters, in facilities to be released for unrestricted use.

- c. Provide the actual results of surveys, and the following information about the instrumentation that was used:
  - i. The background radiation levels for each survey instrument used, because you appear to have used background levels as your release criteria;
  - ii. The MDA or LLD for each of the survey instruments used, both for static measurements and when instruments were used in ratemeter mode;
  - iii. the background and MDA or LLD for the instruments used to determine removable contamination for both alpha and beta measurements

We will continue our review upon receipt of this information. Please reply to the attention of:

[R1DRSSMail.Resource@nrc.gov](mailto:R1DRSSMail.Resource@nrc.gov)

*Reference – Juan Ayala*

*Mail Control No. 625064*

In order to continue prompt review of your application, we request that you submit your response to this letter within 30 calendar days from the date of this letter.

An electronic version of the NRC's regulations is available on the NRC Web Site at: [www.nrc.gov](http://www.nrc.gov). Additional information regarding use of radioactive materials may be obtained on the NRC Web Site at: <http://www.nrc.gov/materials/miau/mat-toolkits.html>. This site also provides the link to the toolbox for updated information on the revised regulations for naturally-occurring and accelerator-produced radioactive materials (NARM).

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS). ADAMS is accessible from the NRC Web Site at: <http://www.nrc.gov/reading-rm/adams.html>. Please be aware that you may request that certain portions of your submittal to NRC be withheld from public disclosure as proprietary information. To do this, you must execute an affidavit as specified in 10 CFR 2.390. You must list all portions that you wish to be held proprietary, along with your reasoning as to why that is appropriate. While it is allowable, please refrain from submitting proprietary information in support of a license unless necessary. Keep in mind that all NRC licenses are considered to be in the public domain, and therefore may be viewed by any member of the public who requests to see them.

If you have any questions regarding this request for additional information, please contact Juan Ayala at 610-337-6927, or via electronic mail at [Juan.Ayala@nrc.gov](mailto:Juan.Ayala@nrc.gov).

Thank you for your cooperation.

Sincerely,

Betsy Ullrich, Senior Health Physicist  
Commercial, Industrial, R&D  
and Academic Branch  
Division of Radiological Safety and Security  
Region I

Docket No. 03036931  
License No. 06-31045-01  
Mail Control No. 625064

cc: Charles W. Eldredge, Radiation Safety Officer  
Willie Harris, Senior Director, CN Associates

TIMKEN MOTOR AND CRANE SERVICES, LLC, REQUEST FOR ADDITIONAL INFORMATION, MAIL CONTROL NO. 625064 DATED APRIL 26, 2021

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SUNSI Review Complete: JAYala

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