

**From:** [Ayala, Juan](#)  
**To:** [austin@aquateklabs.com](mailto:austin@aquateklabs.com)  
**Subject:** NRC Request for Information  
**Date:** Friday, April 3, 2020 1:45:00 PM  
**Attachments:** [L06-35588-011.618170.RAI.pdf](#)

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Mr. Xu,

As discussed yesterday on the phone, please see attached request for additional information regarding your application for an NRC materials license. We discussed having a call on Monday. Unfortunately, Monday does not work. Please let me know if Tuesday works for you and I will set up a conference number. On this call, we can discuss any questions you might have regarding the attached RAI.

Regards,  
*Juan Ayala*

Juan Ayala  
US NRC Region I  
Division Of Nuclear Materials Safety  
Commercial Industrial, R&D and Academic Branch  
Health Physicist  
610-337-6927

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

April 3, 2020

Austin Xu, Radiation Safety Officer  
Aquatek Labs  
3 Research Dr.  
Woodbridge, CT 06525

**SUBJECT: AQUATEK LABS, REQUEST FOR ADDITIONAL INFORMATION, MAIL  
CONTROL NO. 618170**

Dear Mr. Xu:

This is in reference to your application dated February 19, 2020, requesting a new NRC license. In order to continue our review, we need the following additional information:

1. Confirm if this is the first NRC license for which Aquatek has applied. If Aquatek holds another NRC license, or if you hold a license or registration for a State agency for your use of licensed materials, please submit a copy of that license or registration. If you do not hold a license or registration for use of radioactive materials with another agency, then we will schedule a pre-licensing visit with you.
2. Only the RSO is listed as an authorized user for this license. If the RSO is the only user listed, no work would be able to be performed if the RSO is unavailable for extended periods of time. Please submit the names of any additional persons that you wish to be able to use, or supervise the use of, licensed materials requested in this application. For each, provide the information requested in Section 8.7 of NUREG-1556 "Consolidated Guidance About Materials Licenses, Volume 7 "Program-Specific guidance about Academic, Research and Development and Other Licenses of Limited Scope", Revision 1 (NUREG-1556, Vol. 7, Rev. 1).
3. In accordance with Section 8.8 of NUREG-1556, Vol. 7, Rev. 1, submit a description of the training that you will provide to other persons who will work with, or in the vicinity of, licensed materials.
4. In your application, you provided a description of the facility. In accordance with Section 8.9 of NUREG-1556, Vol. 7, Rev. 1, also provide a facility diagram showing the proximity of radiation sources to unrestricted areas, and, if applicable, other items related to radiation safety such as shielding.
5. Confirm that the only radiation detection instrumentation you possess are the liquid scintillation counters. If you have additional portable survey instruments, please list them, in accordance with Section 8.10.2 of NUREG-1556, Vol. 7, Rev. 1, state "We will use instruments that meet the radiation monitoring instrument specifications published in NUREG-1556, Vol. 7, Rev. 1. We reserve the right to upgrade our instruments as necessary." Also, state "Instruments will be calibrated before first use, and at least annually thereafter, and after any repair."

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

[R1DNMSMail.Resource@nrc.gov](mailto:R1DNMSMail.Resource@nrc.gov)

*Reference – Betsy Ullrich*

*Mail Control No. 618170*

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 me at (610) 337-5040 or via electronic mail at [Elizabeth.Ullrich@nrc.gov](mailto:Elizabeth.Ullrich@nrc.gov).

Thank you for your cooperation.

Sincerely,

Betsy Ullrich  
Commercial, Industrial, R&D  
and Academic Branch  
Division of Nuclear Materials Safety  
Region I

License No.: 06-35588-01  
Docket No: 03039220  
Mail Control No: 618170

AQUATEK LABS, REQUEST FOR ADDITIONAL INFORMATION, MAIL CONTROL NO.  
618170 DATED APRIL 1, 2020

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**SUNSI Review Complete:** Betsy Ullrich

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NAME	Juan Ayala		Betsy Ullrich exu						
DATE	4/2/20		4/3/20						

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