**Section 422.APPENDIX A Recommended Testing Strategy for Home Environment Measurements (Buildings Not Involved in a Real Estate Transaction)**

The first step is to perform a short-term measurement\* in the lowest structural areas\*\*.

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|  | | | | | | |  | |  | | | | | | | | | | |  | | | | | | Perform Short-Term Test | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | |  | | | | | | | | |  | | |  | | | | | | | | | | | | | | | |  |
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| If the result is less than 4pCi/L | | | | | | |  | | If the result is ~~4~~pCi/L or more, but less than 8 pCi/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | If the result is 8 pCi/L or more | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
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| No further action is required. Retest in 2 years or if any renovations or additions are made to the building. | | | | | | |  | | Perform an additional  short-term test. | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | For a better understanding of your year-round average perform a long-term test. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | Perform an additional short-term test. | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
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| For a better understanding of your year-round average perform a  long-term test. | | | | | | |  | | If the average of the 2 tests is less than 4 pCi/L | | | | | | | | | | |  | | | | | | If the average of the 2 tests is 4 pCi/L or more | | | | | | | |  | | | | | | | If the result is less than 4 pCi/L | | | | | | | | | | | | | | | | | |  | | | | If the result is 4 pCi/L or more | | | | | | | | |  | | | | | If the 2nd result is less than 4 pCi/L | | | | | | | | |  | | | If the 2nd result is 4 pCi/L or more | | | | | | | | | | | | | | | |  |
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|  | | | | | | |  | | No further action is required. Retest in 2 years or if any renovations or additions are made to the building. | | | | | | | | | | |  | | | | | | Fix the home. | | | | | | | |  | | | | | | | No further action is required. Retest in 2 years or if any renovations or additions are made to the building. | | | | | | | | | | | | | | | | | |  | | | | Fix the home. | | | | | | | | |  | | | | | Perform a long-term test. | | | | | | | | |  | | | Fix the home. | | | | | | | | | | | | | | | |  |
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\* Short-term tests may last between 2 and 90 days, most last between 2 and 7 days. Examples of short-term detectors used in home environment testing include: activated charcoal canisters, liquid scintillation vials, electret chambers and continuous monitors. Examples of long-term detectors used in home environment testing include: alpha track detectors and electret chambers.

\*\* Conduct a short-term test in each of the lowest structural areas suitable for occupancy in the home. For example, if the home is a split-level building with one or more foundation types: test in the basement, in a room over the crawlspace and in a slab-on-grade room. In accordance with this protocol, measurement licensees are required to test in each of the foundation types.

(Source: Amended at 37 Ill. Reg. 20240, effective December 9, 2013)