

Memorandum to File: National Institutes of Health, Advanced Technologies Center (ATC)

January 20, 2021 R/A Orysia Masnyk Bailey

License No. 19-00296-10

Docket No. 030-01789

I have completed my review of the National Institutes of Health (NIH) Final Status Survey (FSS) for their Advanced Technologies Center located at 8717 Grovemont Circle, Gaithersburg, MD.

The survey reports contained the results of an FSS conducted in accordance with NUREG 1575, "Multi-Agency Radiation Survey and Site Investigation Manual" (MARSSIM). The isotopes of concern were Tritium, Carbon-14, and Uranium-238.

The derived concentration guideline levels (DCGLS) used for the release criteria for Tritium, Carbon-14 were those published in NUREG-1757, Volume 1, revision 2, Appendix B, Table B.1. For Uranium-238, the contractor used DandD software, Version 2.1, Building Scenario. A review of the DandD report showed that the values were derived using the recommended default values.

A review of the document disclosed that the FSS was conducted in accordance with MARSSIM and guidance contained in NUREG 1757. Survey equipment was appropriate and properly calibrated. The impacted areas in the buildings were appropriately designated as Class 3 survey units. The report contained enough data to allow for a meaningful evaluation of work done and results achieved.

Because of the above, I have concluded the FSS conducted by NIH's contractor at NIH's ATC demonstrated compliance with 10 CFR Part 20 for unrestricted release.

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