



Department of the Interior
US Geological Survey
Box 25046 MS-974
Denver CO, 80225

July 11, 2019

ATTN: Document Control Desk
Director, Division of Spent Fuel Management
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

SUBJ.: Follow-up on August 9, 2018 letter "Request For Approval For Use of Alternative A2 Value For Isotope Br-80m under Appendix A to 10 CFR 71"

To Whom It May Concern:

This letter is a follow-up to the August 9, 2018 letter sent to the NRC from the US Geological Survey (NRC Docket 50-274, License R-113) with the subject "Request For Approval For Use of Alternative A2 Value For Isotope Br-80m under Appendix A to 10 CFR 71".

The US Department of Transportation (USDOT) has approved the alternate A2 value for Br-80m of 0.40 TBq (11.0 Ci) as of October 3, 2018. However, in order to use this new A2 value for shipping domestically, we still require NRC approval in accordance with 10 CFR 71. This matter has been under consideration by NRC for quite some time, and I am hoping that this new information may help expedite the process.

I have enclosed a copy of the USDOT letter for your convenience.

Please contact me if you need any more information.

Sincerely,

Clayton Manning
Health Physicist
US Geological Survey TRIGA Reactor (NRC Docket 50-274, License R-113)
Phone: 303-236-4726 Email: cmanning@usgs.gov

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NRR



U.S. Department
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1200 New Jersey Avenue, SE
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**Pipeline and Hazardous
Materials Safety
Administration**

Mr. Clayton Manning
Department of the Interior
US Geological Survey
Box 25046 MS-974
Denver, CO 80225

October 3, 2018

Dear Mr. Manning:

This letter is in response to your August 9, 2018 request for an alternate A₂ Value for Bromine-80m (Br-80m). In accordance with §173.433(b)(2) of Title 49 of the U.S. Code of Federal Regulations, the following A₂ value for Br-80m is approved for use by the US Geological Survey for domestic transport.

Radioisotope	A ₁ Value	A ₂ Value
Bromine-80m	0.40 TBq 11.0 Ci	0.40 TBq 11.0 Ci

This approval may be used until November 1, 2023.

If you have any questions or require further information on this matter, please contact me at 202-366-2993 or by email at rick.boyle@dot.gov.

Sincerely,

Richard W. Boyle,
Chief Radioactive Materials Branch
Office of Hazardous Materials Safety