



Radiation Center

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July 13, 2015

Mr. Alexander Adams
U. S. Nuclear Regulatory Commission
Research and Test Reactors Branch A
Office of Nuclear Reactor Regulation
Mail Stop O12-G13
One White Flint North
11545 Rockville Pike
Rockville, MD 20852-2738

Reference: Oregon State University TRIGA Reactor (OSTR)
Docket No. 50-243, License No. R-106
License Amendment Letter dated April 13, 2012
OSU RAI Response Letter dated April 14, 2014

Subject: Supplimentary Information

Mr. Adams:

Per a telephone conversation with you this past Thursday July 9, 2015, this letter serves to provide supplementary information with respect to the answer to the third question in the RAI letter dated April 14, 2014. Specifically, in the table below, occupational and general public dose equivalents are presented for Scenario C with the same methodology described in the third question except that a decay period of 24 hours was assumed after the end of irradiation. The results presented show that with or without a 24 hour decay period after irradiation, all dose equivalents calculated are less than the corresponding annual limit found in 10 CFR 20.

Scenario C	With Primary Water 24 hrs After Irradiation	Without Primary Water 24 hrs After Irradiation
	TEDE (mrem)	TEDE (mrem)
Occupational – 2 minute occupancy	1	18
Occupational – 5 minute occupancy	3	46
General Public – 10 m distance	1	26
General Public – 50 m distance	1	12
General Public – 100 m distance	<1	4
General Public – 150 m distance	<1	2
General Public – 200 m distance	<1	1
General Public – 250 m distance	<1	1
General Public – 267 m distance	<1	1

Executed on: 7/13/15

If you have any questions, please do not hesitate to contact me.

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July 13, 2015
OSU RAI Supplimentary Letter

Sincerely,



Steve Reese
Director

cc: ✓ Document Control, NRC
Craig Bassett, NRC
Ron Adams, OSU

Rich Holdren, OSU
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