NRC FORM 699 (03-2013)

U.S. NUCLEAR REGULATORY COMMISSION

CONVERSATION RECORD

DATE OF SIGNATURE: 12/2/16

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU	DATE OF CONTACT	TYPE OF CONVERSATION
Timothy Koeth; Amber Johnson	12/02/2016	☐ E-MAIL ☑ TELEPHONE ☐ INCOMING ☑ OUTGOING
E-MAIL ADDRESS: koeth at umd.edu; ajohns37 at umd.edu	TELEPHONE NUMBER: 388-810-6759	

ORGANIZATION	DOCKET NUMBER(S)
University of Maryland	05000166
LICENSE NUMBER(S)	CONTROL NUMBER(S)
R-70	ME1592

SUBJECT

Changes to the technical specifications in support of license renewal

SUMMARY

During the review for the renewal of Facility Operating License No. R-70, for the Maryland University Training Reactor, dated May 12, 2000, (a redacted version of the application, including the safety analysis report, is available on the Nuclear Regulatory Commission's (NRC) public Web site at www.nrc.gov under Agencywide Documents Access and Management System (ADAMS) Accession No. ML003718746), as supplemented, the NRC staff identified areas were the submitted materials contained conflicting, or unclear information.

The phone call placed on December 2, 2016, discussed with the licensee areas where additional clarity was needed. The licensee agreed to supplement the technical specifications submitted by letter dated November 17, 2016 (ADAMS Accession No. ML16323A447), to continue the review of the license renewal.

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ACTION REQUIRED (IF ANY)

The licensee shall respond by e-mail to the NRC staff's items on the following page.

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NAME OF PERSON DOCUMENTING CONVERSATION

Eben Allen

SIGNATURE

CONVERSATION RECORD (continued)

SUMMARY: (Continued from page 1)

The regulation in Title 10 of the Code of Federal Regulations (10 CFR) 50.21(c) provides for issuance of a license to a facility which is useful in the conduct of research development activities if no more than 50 percent of the annual cost of owning and operating the facility is devoted to production of materials, products, or the sale of services, other than research and development or education or training.

Does the MUTR facility devote less than 50 percent of the cost of operating the facility to commercial activities?

The licensee answered that less than 50 percent off the cost of owning and operating the MUTR facility is devoted to commercial purposes.

Technical Specification (TS) are derived from the analyses and evaluations included in the safety analysis report. Due to the importance to overall facility safety interpretation by both the licensee and regulator for terms and phrase used in TS, definitions shall be included where necessary to ensure that the TS criteria necessary for compliance with regulatory requirements are uniformly understood by the licensee and regulator. Guidance pertaining to the format and content of TS previously found acceptable by the NRC staff is provided in NUREG-1537 Part 1, and ANSI/ANS-15.1-2007.

The following TSs were discussed as having safety significance, the licensee agreed to make changes to clarify the intention of the specification and to correct errors.

Definition Scram Time - The definition is referred to as drop time in the preceding TSs.

TS 3.1 Specification 1 - An analysis submitted December 18, 2006 was completed at $1.12 not the specification limit of $3.50.

TS 3.1 Specification 2 (b) - In-core experiments do not account for all experiments.

TS 3.1 Specification 4 - This specification contains redundant information.

TS 3.1 Specification 4 (a) - This specification does not clearly coincide with TS 4.1 Specification 4.

TS 3.1 Specification 4 (b) - This specification does not clearly coincide with TS 4.1 Specification 4.

TS 3.5.1 Specification 1 - The bridge monitor is needed to be OPERATING.

TS 3.5.1 Specification 2 - This specification requires clarification.

TS 3.5.1 Specification 3 - This specification does not clearly coincide with TS 3.5.1 Specification 1.

Table 3.5 - The table does not accurately depict the operational state of the MUTR facility.

TS 3.6 Specification 2 - In-core experiments do not account for all experiments.

TS 4 Specification - The wording above the table does not coincide with the table.

TS 4.1 Specification 4 - The specification dose not clearly coincide with TS 3.1 Specification 4.