

UNIVERSITY OF CALIFORNIA, IRVINE

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO



SANTA BARBARA • SANTA CRUZ

George E. Miller
Senior Lecturer Emeritus
*Department of Chemistry and
Director, Nuclear Reactor Facility
Faculty Advisor for Science
UCI Center for Educational Partnerships*

IRVINE, CA 92697-2025
(949) 824-6649
FAX: (949) 824-6082 or (949) 824-8571
Email: gemiller@uci.edu
Website: <http://chem.ps.uci.edu/~gemiller/>

US Nuclear Regulatory Commission
Document Control desk
11555 Rockville Pike
Rockville, MD 20852

Attention: Ms Linh Tran, Project Manager

Ref: Docket 50-326, Licence R-116 University of California, Irvine

I am pleased to submit a revised Operator Requalification Program revised in response to the Request for Additional Information dated October 1st 2010 (TAC No. ME2431) that I trust meets or exceeds NRC expectations.

Please contact me if there are further questions in this regard.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on October 29th 2010

Sincerely yours,

A handwritten signature in cursive script that reads "George E. Miller".

George E. Miller
Director Nuclear Reactor facility
Senior Lecturer Emeritus,
Department of Chemistry,
University of California, Irvine.

M006
NRR

U. C. IRVINE NUCLEAR REACTOR FACILITY
DOCKET 50-326
OPERATOR REQUALIFICATION PROGRAM
Revised October 2010

This program is designed to meet the requirements of 10 CFR 55.59 of the US Nuclear Regulatory Commission, and to assure the continued safe operation of the UCI reactor.

SCOPE

UCI reactor has operated successfully as a small facility with limited licensed operator staff. This plan assumes a low level of staffing consisting of only a single or few Senior Operators (SRO). However it also anticipates possible increased staffing levels, to include Operators (RO). The program is of 24 months duration, with automatic restart every cycle. One Senior Operator will be designated as the Training Coordinator for each cycle. The Training Coordinator prepares and scores all examination materials, schedules reviews and documents operator performance and will only be required to meet items (3), (4) and (5) below. The Training Coordinator shall rotate among the licensed SRO's for each subsequent cycle, except in the event there is only a single SRO licensed at the facility.

REQUIREMENTS

All SRO's are expected to meet the following requirements:

1. Pass an annual (at intervals not to exceed 15 months) practical operating examination based on 10 CFR 55.45 (a), (1-12); this examination shall also include expected responses to emergency or abnormal conditions that could be observed at the reactor controls and a passing score shall be 70%.
2. Pass a biennial (once during each 24 month period) written examination based on 10 CFR 53.41 (b) (1-13) and 55.43 (b) (1-7) with a 70% passing score in any category.
3. Carry out reactor operations for a minimum of 4 hours in each calendar quarter. These operations may include facility maintenance activities when the reactor is shutdown, but should include at least one start-up, one operation above 1 kilowatt power, and one shutdown (except when the reactor is not operational for any continuous period exceeding three months).
4. Participate in ongoing discussions of reactor instrumentation operating characteristics based on checks, surveillance and calibration results.
5. Participate in regularly scheduled reviews of abnormal and emergency procedures relating to the reactor.
6. Participate in immediate discussions whenever mechanical or procedural changes are implemented at the facility, whether or not they directly affect reactor characteristics.
7. Participate in review regarding any test ((1) or (2) above) item that is unsatisfactory prior to resuming any duties for which a valid license is required.
8. Participate in retraining and re-examination prior to resuming licensed duties in any area of the examinations delineated in bullets (1) and (2) declared not to be passing.
9. Maintain health sufficient such that full duties may be adequately performed, and pass a biennial medical certifying "fitness for duty." Operators shall not continue to perform licensed duties should any additional factors be known that would affect their ability to perform according to any provisions of their valid license.

All RO's are required to meet all the above except that examinations will be limited to those issues required of Operators by 10 CFR 55.41. Operators may not assume the role of Training Coordinator. In addition, operators may be expected to attend regularly scheduled seminars or tutorial sessions to review reactor theory, utilization, and practice relevant to both routine and emergency operations and administrative issues, designed to enable them to proceed to qualify for an SRO license.

DOCUMENTATION

Documentation will be retained at the facility covering all items (1) through (9) above for the period of each Operator or Senior Operator License.