

1.0 INTRODUCTION

In August 1973 the AEC (now the Nuclear Regulatory Commission) published amendments to Parts 50 and 55 to Title 10, Chapter I, Code of Federal Regulations, which require that all licensees submit for approval an operator requalification program. All reactor operators and senior reactor operators shall complete this program as a condition for retaining their current licenses and meeting the requirements for renewal of their licenses.

This document is the Operator Requalification Program for the University of Missouri Research Reactor (MURR) which is required by 10 CFR 50.54(i-1) and conforms generally to the requirements of 10 CFR 55.59(c) as specified by 10 CFR 55.59(c)(7). All licensed operators at MURR shall participate in the program and shall satisfactorily complete this program during each requalification cycle, which shall not exceed 24 months in duration. Each two year requalification program cycle shall be promptly followed by successive requalification program cycles.

2.0 DESCRIPTION OF THE PROGRAM

The requalification program is divided into four major areas which are designed to provide assurance that all operators maintain competence in all aspects of licensed activities. The four areas are as follows:

- a. A biennial written examination which is used to verify the operator's knowledge level. Preplanned lectures shall be used to retrain those operators who demonstrate deficiencies in any part of the examination.
- b. On-the-job training which will ensure (1) that the operator maintains his competence in manipulating the plant controls and in operating all apparatus and mechanisms required by his license, and (2) that he has a thorough understanding of all emergency procedures.
- c. An annual operating test which will require the operator or senior operator to demonstrate an understanding of and ability to perform the actions necessary to accomplish a broad sample of applicable items specified in 10 CFR 55.45(a) (2) through (13). These applicable items are further specified in NUREG-1478, Rev. 1, Non-Power Reactor Operator Licensing Examination Standards, Procedure ES-301N, "Preparation of Operating Tasks at Non-Power Reactors," Attachment 1.

At the discretion of the facility training coordinator, a review program may be instituted to prepare individuals for the examination. The review program may utilize, but is not limited to, the following study aids:

- a. Lectures or review seminars to present or discuss in a preplanned manner the information relative to each of the areas listed above.
- b. Worksheet questions and problems which the operator can answer in his spare time.
- c. Taped lectures which the operator can review while on shift, but not while assigned console watch or other license required activity.

The Training Coordinator is responsible for scheduling the preparation and administration of the requalification examination. Two separate exams will be developed and administered such that no licensed operators will take an exam they helped develop and review. The examinations will be developed from the MURR requalification question bank and other relevant source material. The examinations will be open reference.

Each examination will be graded by the Training Coordinator and will be submitted to the Reactor Manager or Operations Engineer for review. The evaluation of each operator will be facilitated by completing an Examination Form as shown in Appendix A to this document.

After all of the examinations have been graded, the Training Coordinator will prepare the retraining schedule for those operators who were deficient in any area. An operator will be considered deficient in any area of the examination in which he scores less than 70%; he will retrain until he satisfactorily passes reexamination in the section(s) on which he scored below 70%. If the grade for an operator is less than 70% averaged over all required sections, the operator shall be placed in an accelerated training program until he has been retrained and satisfactorily passes reexamination over the section(s) on which he was below 70% with a grade greater than 70% in each section. Furthermore, the individual will be removed from licensed activities until he passes his written reexamination. All examinations and reexaminations will be reviewed with the operator and will be retained for a period covering the duration of each operator's license (> 6 years) in the facility's files.