

10/11/79

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MEMORANDUM FOR: John T. Collins, Deputy Director, TMI Support
FROM: Bruce A. Boger, TMI Support
SUBJECT: EPICOR-II REAUDITS

As a result of the unsatisfactory initial audits on the EPICOR-II operators, a revised training program was established. This program was geared to require each operator to perform several system operations to gain "hands on" experience. I attended several training sessions and found a high level of instruction. In addition, emergency drills were performed during the training sessions by actually creating casualties such as loss of electrical power, loss of system integrity, and system line blockage.

In order to reassess the operator qualification program, several reaudits were conducted. Eight of the twelve Met-Ed operators and eleven of the thirteen Gap-Gun operators were examined. Emphasis was placed on the two new Met-Ed operators and the operators noted as being weak during the initial audits. This was done, to evaluate the training programs effectiveness on new and existing personnel.

The reaudits stressed system operation under normal and abnormal conditions. The operators were required to identify components and interlocks inside and outside of the control room as noted in the normal operating procedures. The operators were also tested on their ability to identify abnormal situations and carry out the immediate manual actions in the emergency procedures.

The results of the reaudits were quite satisfactory. No overall weaknesses were found. The marked improvement over the first round of audits can be attributed to the increased familiarity with the system components due to the "hands on" experience gained by operating the system. The operators were able to readily identify abnormal situations. Their responses to these situations were proper and crisp. It was apparent that the emergency drills had been effective in shaping operator response.

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The two recently qualified Met-Ed operators were found to be satisfactory. Several operators who were found to be somewhat weak during the initial audits performed satisfactorily during the reaudits; however, one Cap-Gun operator had deficiencies in several areas during both audits. His management has decided to remove him from duties on EPICOR-II.

It is my opinion that the EPICOR-II system can be operated properly under both normal and emergency conditions with the existing personnel. This is based upon the results of the reaudits and the assumption that a normal operating crew will consist of a Cap-Gun operator, a Cap-Gun supervisor (or foreman), a Met-Ed operator and a Health Physics technician. I consider the audits complete with the exception of a review of the training records in the near future.

15/
Bruce A. Boger
TMI Support

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