

TOPIC: VIII-3.A STATION BATTERY CAPACITY TEST REQUIREMENTSI. INTRODUCTION

To assure that the onsite Class 1E battery capacity is adequate to supply dc power to all safety related loads required by the accident analyses and is verified on a periodic basis, we reviewed the Technical Specifications, including the test program, with regard to the requirement for periodic surveillance testing of onsite Class 1E batteries and the extent to which the test meets Section 5.3.6 of IEEE Std 308-1971 to determine battery capacity.

This effort is needed to ensure that the test to determine battery capacity includes (1) an acceptance test of battery capacity performed in accordance with Section 4.1 of IEEE Std. 450-1975, (2) a performance discharge test listed in Table 2 of IEEE Std. 308-1971, performed according to Section 4.2 and 5.4 of IEEE Std. 450-1975; and (3) a battery service test described in Section 5.6 of IEEE Std. 450-1972, to be performed during each refueling operation.

II. REVIEW CRITERIA

The review criteria are presented in EG&G Report 1321 F, "Battery Capacity Tests."

III. RELATED SAFETY TOPICS AND INTERFACES

None

IV. REVIEW GUIDELINES

See Introduction

V. EVALUATION

The Oyster Creek Nuclear Station battery surveillance requirements are included in Sections 4.7.A and B of the station Technical Specifications. These requirements are in agreement with the staff's requirements.

VI. CONCLUSIONS

The staff finds that the testing of the batteries is in accordance with IEEE Standard 450-1975, IEEE Standard 308-1974, BTP EICSB 6, and the "Standard Technical Specifications for General Electric Boiling Water Reactors" (NUREG-0123); and is, therefore, acceptable.

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