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Docket No. 50-219
LS05-80-01-020

Mr. I. R. Finfrock, Jr.
Vice President - Jersey Central
Power & Light Company
P. O. Box 388
Forked River, New Jersey 08731

Dear Mr. Finfrock:

SUBJECT: SEP TOPIC VIII-3.A, BATTERY CAPACITY TESTS
(Oyster Creek Nuclear Generating Station)

Enclosed is a revised copy of our evaluation of Systematic Evaluation Program Topic VIII-3.A, Battery Capacity Tests. This report has been revised to reflect the comments provided by your letter of May 25, 1979.

This evaluation will be a basic input to the integrated safety assessment for your facility unless you identify changes needed to reflect the as-built conditions at your facility. This topic assessment may be revised in the future if your facility design is changed or if NRC criteria relating to this topic are modified before the integrated assessment is completed.

Sincerely,

Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
Division of Licensing

Enclosure:
SEP Topic VIII-3.A

cc w/enclosure:
See next page

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*See previous yellow for additional concurrences.

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Docket No. 50-219
LS05-81-01-020

Mr. I. R. Finfrock, Jr.
Vice President - Generation
Jersey Central Power & Light Company
Madison Avenue at Punch Bowl Road
Morristown, New Jersey 07960

Dear Mr. Finfrock:

RE: SEP TOPIC VIII-3.A, BATTERY CAPACITY TESTS
(Oyster Creek Nuclear Generating Station)

Enclosed is a revised copy of our evaluation of Systematic Evaluation Program Topic VIII-3.A, Battery Capacity Tests. This report has been revised to reflect the comments provided by your letter of May 25, 1979.

This assessment compares your facility, as described in Docket No. 50-219 with the criteria currently used by the regulatory staff for licensing new facilities. Please inform us if your as-built facility differs from the licensing basis assumed in our assessment within 90 days of receipt of this letter.

This evaluation will be a basic input to the integrated safety assessment for your facility unless you identify changes needed to reflect the as-built conditions at your facility. This topic assessment may be revised in the future if your facility design is changed of if NRC criteria relating to this topic are modified before the integrated assessment is completed.

Sincerely,

Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
Division of Licensing

Enclosure:
SEP Topic VIII-3.A

cc w/enclosure:
See next page

OFFICE	SEPB:DL	SL/SEPB:DL	C/SEPB:DL	ORB#5:DL	C/ORB#5:DL		
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SEP TECHNICAL EVALUATION

TOPIC VIII-3.A
BATTERY CAPACITY TESTS

FINAL DRAFT

OYSTER CREEK

Docket No. 50-219

December 1979

SEP TECHNICAL EVALUATION

TOPIC VIII-3.A
BATTERY CAPACITY TESTS

FINAL DRAFT

OYSTER CREEK

Topic VIII-3.A Station Battery Test Requirements

The objective of this review is to assure that all the onsite Class IE batteries have their capacity to supply all safety related D-C loads verified by periodic testing.

The testing should be 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). The required tests are as follows:

(1) At least once per 18 months, during shutdown, a battery service test should be performed to verify that the battery capacity is adequate to supply and maintain in operable status all of the actual emergency loads for two hours.

(2) At least once per 60 months, during shutdown, a battery discharge test should be performed to verify that the battery capacity is at least 80% of the manufacturer's rating.

The Oyster Creek Nuclear Station Technical Specifications include, in Sections 4.7.A and 4.7.B, the requirements that the station and DG start battery units are load tested every six months. The load test is equivalent to a battery discharge test and encompasses the battery service test. JCP&L has requested in Technical Specification Request No. 67 to extend this period to 28 months.

The current and proposed Technical Specification battery surveillance requirements satisfy the current licensing requirements. No additional SEP action is required.

References

1. "Oyster Creek Technical Specifications", Jersey Central Power & Light Company.

2. Standard Review Plan, Appendix 7-A, BTP EICSB 6, "Capacity Test Requirements of Station Batteries—Technical Specifications," U.S. Nuclear Regulatory Commission.

3. "IEEE Standard Criteria for Class IE Power Systems for Nuclear Power Generating Stations," Std. No. 308-1974, The Institute of Electrical and Electronics Engineers, Inc.

4. "IEEE Recommended Practice for Maintenance, Testing, and Replacement of Large Lead Storage Batteries for Std. No. 450-1975, The Institute of Electrical and Electronics Engineers, Inc.

5. "Standard Technical Specifications for General Electric Boiling Water Reactors," NUREG-0123, U.S. Nuclear Regulatory Commission.

6. CP&L letter (Finfrock) to NRC, dated May 25, 1979.