

March 31, 1992

ket Nos. 50-373
and 50-374

Posted
Collection to
Amdt. 82 to NPF-11

Mr. Thomas J. Kovach
Nuclear Licensing Manager
Commonwealth Edison Company-Suite 300
OPUS West III
1400 OPUS Place
Downers Grove, Illinois 60515

C. Grimes

OPA

Dear Mr. Kovach:

SUBJECT: CORRECTION TO THE SAFETY EVALUATION RELATED TO ISSUANCE OF AMENDMENT NOS. 82 AND 66 (TAC NOS. M80640 AND M80641)

By letter dated January 30, 1992, the NRC transmitted to Commonwealth Edison Company (CECo) Amendment No. 82 to Facility Operating License NPF-11 and Amendment No. 66 to Facility Operating License NPF-18 for the LaSalle County Station, Units 1 and 2, respectively. These amendments were in response to the licensee's request to change the Technical Specifications (TS) specific gravity requirements for the Division III 125 volt DC batteries. It has come to our attention that Sections 1.0 and 3.0 of the safety evaluation (SE) included in that amendment package was inadvertently misworded. A revised SE has been enclosed for your convenience.

These corrections are for clarification purposes only and do not revise the technical content of the SE or the conclusions stated therein.

Sincerely,

Original signed by:
Byron L. Siegel

Byron L. Siegel, Project Manager
Project Directorate III-2
Division of Reactor Projects - III/IV/V
Office of Nuclear Reactor Regulation

Enclosure: Safety Evaluation

cc w/enclosure:
See next page

OFC	LA:PDIII-2	PE:PDIII-2	PM:PDIII-2	D:PDIII-2
NAME	CMOORE	RELIOTT:jar	BSIEGEL	RBARRETT
DATE	3/24/92	3/27/92	3/31/92	3/31/92

Mr. Thomas J. Kovach
Commonwealth Edison Company

LaSalle County Station
Unit Nos. 1 and 2

cc:

Phillip P. Steptoe, Esquire
Sidley and Austin
One First National Plaza
Chicago, Illinois 60603

Robert Cushing
Chief, Public Utilities Division
Illinois Attorney General's Office
100 West Randolph Street
Chicago, Illinois 60601

Assistant Attorney General
100 West Randolph Street
Suite 12
Chicago, Illinois 60601

Michael I. Miller, Esquire
Sidley and Austin
One First National Plaza
Chicago, Illinois 60690

Resident Inspector/LaSalle, NPS
U. S. Nuclear Regulatory Commission
Rural Route No. 1
P. O. Box 224
Marseilles, Illinois 61341

Mr. G. Diederich
LaSalle Station Manager
LaSalle County Station
Rural Route 1
P. O. Box 220
Marseilles, Illinois 61341

Chairman
LaSalle County Board of Supervisors
LaSalle County Courthouse
Ottawa, Illinois 61350

Attorney General
500 South 2nd Street
Springfield, Illinois 62701

Chairman
Illinois Commerce Commission
Leland Building
527 East Capitol Avenue
Springfield, Illinois 62706

Illinois Department of Nuclear Safety
Office of Nuclear Facility Safety
1035 Outer Park Drive
Springfield, Illinois 62704

Regional Administrator, Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road, Bldg. #4
Glen Ellyn, Illinois 60137

Robert Neuman
Office of Public Counsel
State of Illinois Center
100 W. Randolph
Suite 11-300
Chicago, Illinois 60601



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 82 TO FACILITY OPERATING LICENSE NO. NPF-11 AND
AMENDMENT NO. 66 TO FACILITY OPERATING LICENSE NO. NPF-18

COMMONWEALTH EDISON COMPANY

LASALLE COUNTY STATION, UNITS 1 AND 2

DOCKET NOS. 50-373 AND 50-374

1.0 INTRODUCTION

By letter dated June 12, 1991, Commonwealth Edison Company (CECo, the licensee) submitted a Technical Specification (TS) amendment request to change the TS specific gravity limits for the engineered safety features (ESF) Division III 125 volt DC batteries for the LaSalle County Station, Units 1 and 2. The request is due to the station's plans to replace their existing Division III batteries during each unit's next refueling outage with similar batteries made by another manufacturer. The existing Division III batteries are Lead-Antimony type. The replacement batteries will be Lead-Calcium type. The manufacturer of the new batteries recommends maintaining a different electrolyte specific gravity than is currently maintained for the existing Division III batteries. The reason for the battery replacement is the station is having difficulty obtaining replacement cells for the existing batteries because the original manufacturer is no longer making them.

2.0 DISCUSSION

CECo's submittal proposes to amend the specific gravity requirements listed in Table 4.8.2.3.2-1 for each unit. The table provides the Category A (weekly) and Category B (quarterly) surveillance requirements for demonstrating operability of all three divisions of batteries. Category A surveillances are performed on designated pilot cells only. Category B surveillances are performed on all individual cells. The parameters which are monitored during the weekly and quarterly surveillances are electrolyte level, float voltage, and specific gravity of the battery electrolyte. Verification of these battery characteristics is performed in order to ensure that the batteries are operable and capable of performing their safety function. In addition, the table has an allowable value column which allows operation with a cell's parameter outside the normal Category A and Category B limits as long as the cell is within the allowable values and the parameter is restored within normal limits within 7 days.

The new Division III batteries have a nominal specific gravity of 1.215 at 77 degrees Fahrenheit versus the existing batteries which have a nominal specific gravity of 1.210 at 77 degrees Fahrenheit. The existing Division I and Division II batteries have a nominal specific gravity of 1.215 at 77 degrees Fahrenheit which is the same as the new Division III batteries.

The current battery specific gravity surveillance requirements in Table 4.8.2.3.2-1 are as follows:

1. Divisions I and II

Category A - each designated pilot cell shall have a specific gravity greater than or equal to 1.200 or the battery float charge current shall be less than 2 amperes.

Category B - each connected cell shall have a specific gravity greater than or equal to 1.195 and the average of all connected cells shall be greater than 1.205.

Allowable - no connected cell can have a specific gravity more than .020 below the average of all connected cells and either the average of all connected cells shall be greater than or equal to 1.195 or the battery float charge current shall be less than 2 amperes.

2. Division III

Category A - each designated pilot cell shall have a specific gravity greater than or equal to 1.195 or the battery float charge current shall be less than 2 amperes.

Category B - each connected cell shall have a specific gravity greater than or equal to 1.190 and the average of all connected cells shall be greater than 1.200.

Allowable - no connected cell can have a specific gravity more than .020 below the average of all connected cells and either the average of all connected cells shall be greater than or equal to 1.190 or the battery float charge current shall be less than 2 amperes.

The licensee's proposal is to remove the separate requirements for the Division III batteries and make the requirements for the Division I and Division II batteries applicable to all three divisions.

3.0 EVALUATION

The nominal specific gravity for the new batteries being installed by the licensee is 1.215 at 77 degrees Fahrenheit versus the existing batteries which have a nominal specific gravity of 1.210 at 77 degrees Fahrenheit. This means that the current specific gravity values specified in Table 4.8.2.3.2-1 for Category A limits, Category B limits, and for the allowable values for each connected cell are non-conservative since they are lower than will be required for maintaining an adequate charge in the new replacement batteries. As shown above, the Division I and Division II batteries (both are Lead-Calcium type) have identical requirements and the Division III batteries have a separate set of requirements. The new replacement Division III batteries have the same nominal specific gravity ratings and are the same type as the current Division I and Division II batteries. Based on this, the staff finds the licensee's proposal to remove the separate requirements for the Division III batteries and make the requirements the same for all three divisions to be acceptable.

4.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Illinois State official was notified of the proposed issuance of the amendments. The State official had no comments.

5.0 ENVIRONMENTAL CONSIDERATION

The amendments change a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The NRC staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration, and there has been no public comment on such finding (56 FR 31431). Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

6.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: R. Elliott

Date: January 30, 1992