

June 20, 1997

Ms. Irene M. Johnson, Acting Manager  
Nuclear Regulatory Services  
Commonwealth Edison Company  
Executive Towers West III  
1400 Opus Place, Suite 500  
Downers Grove, IL 60515

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING THE PROPOSED  
REPLACEMENT OF GOULD BATTERIES WITH C&D CHARTER POWER  
SYSTEMS BATTERIES - BYRON STATION, UNITS 1 AND 2 (TAC NOS.  
M98621 AND M98622)

Dear Ms. Johnson:

On April 7, 1997, Commonwealth Edison Company (ComEd) submitted a request to revise the technical specifications and the bases to permit replacement of the 125Vdc Gould batteries with new C&D Charter Power Systems, Inc. batteries. During the course of our review, we have identified the need for further information as discussed in the enclosed request for additional information (RAI). Please advise us as to when we may expect a response to the RAI so that we may schedule the completion of our review of your submittal.

Sincerely,

Original signed by:

George F. Dick, Jr., Project Manager  
Project Directorate III-2  
Division of Reactor Projects - III/IV  
Office of Nuclear Reactor Regulation

Docket Nos. STN 50-454 and STN 50-455

Enclosure: RAI

cc w/enclosure: See next page

Distribution:

Docket File	PUBLIC	PDIII-2 r/f	J. Roe, JWR
R. Capra	C. Moore	G. Dick	E. Adensam, EGA1
S. Saba	ACRS, T2E26	S. Bailey	OGC, 015B18
R. Lanksbury, RIII			

250037

NRC FILE CENTER COPY

DOCUMENT NAME: BYRON\BY98621.RAI

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

OFFICE	PM:PDIII-2	LA:PDIII-2	EELB	D:PDIII-2
NAME	G. Dick	C. Moore	J. Calvo	R. Capra
DATE	06/20/97	06/20/97	06/20/97	06/20/97

9706250268 970620  
PDR ADDCK 05000454  
P PDR

ORIGINAL RECORD COPY

I. Johnson  
Commonwealth Edison Company

Byron Station  
Unit Nos. 1 and 2

cc:

Michael I. Miller, Esquire  
Sidley and Austin  
One First National Plaza  
Chicago, Illinois 60603

Chairman, Ogle County Board  
Post Office Box 357  
Oregon, Illinois 61061

Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
801 Warrenville Road  
Lisle, Illinois 60532-4351

Mrs. Phillip B. Johnson  
1907 Stratford Lane  
Rockford, Illinois 61107

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

Attorney General  
500 South Second Street  
Springfield, Illinois 62701

Document Control Desk-Licensing  
Commonwealth Edison Company  
1400 Opus Place, Suite 400  
Downers Grove, Illinois 60515

EIS Review Coordinator  
U.S. Environmental Protection Agency  
77 W. Jackson Blvd.  
Chicago, Illinois 60604-3590

Mr. William P. Poirier, Director  
Westinghouse Electric Corporation  
Energy Systems Business Unit  
Post Office Box 355, Bay 236 West  
Pittsburgh, Pennsylvania 15230

Commonwealth Edison Company  
Byron Station Manager  
4450 North German Church Road  
Byron, Illinois 61010

Joseph Gallo  
Gallo & Ross  
1250 Eye St., N.W.  
Suite 302  
Washington, DC 20005

Kenneth Graesser, Site Vice President  
Byron Station  
Commonwealth Edison Station  
4450 N. German Church Road  
Byron, Illinois 61010

Howard A. Learner  
Environmental law and Policy  
Center of the Midwest  
203 North LaSalle Street  
Suite 1390  
Chicago, Illinois 60601

U.S. Nuclear Regulatory Commission  
Byron Resident Inspectors Office  
4448 North German Church Road  
Byron, Illinois 61010-9750

Ms. Lorraine Creek  
Rt. 1, Box 182  
Manteno, Illinois 60950

REQUEST FOR ADDITIONAL INFORMATION

REPLACEMENT OF 125 VOLT BATTERIES

COMMONWEALTH EDISON COMPANY

BYRON STATION, UNITS 1 AND 2

DOCKET NOS. STN 50-454, STN 50-455

1. The proposed changes to technical specification (TS) Bases for surveillance requirements 3.8.6.1 and 3.8.6.3 add that specific gravity is corrected for electrolyte temperature only for the C&D batteries. What is the basis for the change and should it apply only to the C&D batteries?
2. The licensee states that the battery charging current is less than 3 amps for the C&D battery when it is on charge in accordance with the manufacturer's recommendation. Please provide the supporting data for the statement or provide a copy of the manufacturer's recommendation. Also, does the statement apply when the battery is on float?
3. Does the performance test for the Gould batteries envelope the service test? Please provide a copy of the service test profile. What is the value of the discharge current when conducting the performance test?
4. In sizing the C&D batteries, what aging factor was used? The licensee's submittal refers to a design margin of 10-15 percent. Please provide the specific value used for the design margin.
5. With regard to battery degradation, what are the values of the last performance test of the Gould batteries? There is a staff concern that if a battery degrades or reaches 85 percent of its expected life, an 18-month period before the next test is conducted may be too long. Please provide a justification for the 18-month interval or propose a revised interval.

ENCLOSURE