

October 30, 1996

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 (RAI) REGARDING AN EXTENSION OF
THE OPERATING CYCLE FOR BYRON, UNIT 1 (TAC NO. M96904)

Dear Ms. Johnson:

In its letter of June 27, 1996, Commonwealth Edison Company (ComEd) committed to limit the length of the current operating cycle for Byron, Unit 1, to 448.5 days with T-hot above 500 degrees Fahrenheit. On October 18, 1996, ComEd submitted a request to extend the Byron, Unit 1, operating period from 448.5 days to 600 days. Operating for 600 days without having to shut down for a steam generator tube inspection would permit the plant to operate until February 1997, at which time the unit is scheduled to shut down for steam generator replacement.

During the initial review of the request, we have identified the need for additional information as discussed in the enclosure. Please provide the requested information so that we may complete our review.

Sincerely,

/s/

M. David Lynch, Project Manager
Project Directorate III-2
Division of Reactor Projects - III/IV
Office of Nuclear Reactor Regulation

Docket No. STN 50-454

Enclosure: RAI

cc w/encl: See next page

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REQUEST FOR ADDITIONAL INFORMATION

EXTENSION OF PLANT OPERATING PERIOD

COMMONWEALTH EDISON COMPANY

BYRON STATION, UNIT 1

DOCKET NO. STN 50-454

The submittal dated October 18, 1996, proposes the use of a probability of detection (POD) for inspection of 0.8. As stated in Section 4.3 of the submittal, this value is a conservative estimate of POD based on the results of the Byron blind test results. The POD value of 0.6 applied in voltage-based tube repair criteria applications following the guidance of NRC Generic Letter 95-05 was established considering not only the detection capabilities of the analysts and the inspection technology, but also the initiation and growth of new indications over the next operating cycle. Discuss how the Byron, Unit 1, operational assessment accounts for the initiation and growth of new indications over the proposed extended operating cycle.

ENCLOSURE