



Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

DmB

April 18, 1985

Mr. James G. Keppler
Regional Administrator
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: Byron Generating Station Units 1 and 2
Containment Spray Pump Impellers
NRC Docket Nos. 50-454 and 50-455

References (a): June 14, 1984 letter from T. R. Tramm
to J. G. Keppler.

Dear Mr. Keppler:

This letter provides the final report on a deficiency in the Byron 1 containment spray pump impellers. This deficiency was initially reported to the NRC on May 4, 1984 in accordance with the requirements of 10 CFR 50.55(e). For tracking purposes, it was numbered 84-02.

As indicated in reference (a), the redundant containment spray pumps use impellers with slightly different dimensions. On Byron 1, the impellers were inadvertently switched. This was detected during preoperational testing.

In addition to the corrective action previously reported as complete on the Unit 1 pumps, the Unit 2 pump impellers have been removed and measured to verify size. The serial numbers have been correlated with vendor documentation and proper identification of pump impellers established. Per the pump and motor manufacturers reviews, motor and pump parts are interchangeable with the exception of the pump impeller. To avoid future problems a letter had been filed with the instruction manual to provide the note, "Caution - Pump impellers cannot be switched due to different size and capacity." Copies of this letter have been distributed to CECO Quality Assurance, CECO Maintenance, and Hunter Corporation.

CECO Maintenance has noted the same comment in their Maintenance History File. Tags have been mounted to each of the pumps for identification and clearly mark each as either "A" or "B" train.

APR 22 1985

8505020180 850418
PDR ADOCK 05000454
S PDR

110 JE 27

J. G. Keppler

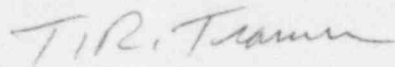
- 2 -

April 18, 1985

An engineering review has determined that the containment spray pumps are the only safety-related pumps for which the redundant trains have different head/flow characteristics. No similar precautions need to be taken for any other pump.

Please address any further questions regarding this matter to this office.

Very truly yours,



T. R. Tramm
Nuclear Licensing Administrator

lm

cc: Byron Resident Inspector

9996N