



**Commonwealth Edison**

72 West Adams Street, Chicago, Illinois  
Address Reply to: Post Office Box 767  
Chicago, Illinois 60690 - 0767

October 6, 1986

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Subject: LaSalle County Station Unit 1  
License Condition 2.C.(12)  
NRC Docket No. 50-373

Reference (a): I.E. Bulletin 79-26 Revision 1,  
Boron Loss from BWR Control Blades

Dear Mr. Denton:

Attached is Commonwealth Edison's (CECo) response to satisfy  
NPF-11, License Condition 2.C.(13). Unit 1 Initial Critical for Cycle 2 was  
September 17, 1986.

If you have any questions regarding this matter, please contact  
this office.

One signed original and forty (40) copies of this transmittal is  
provided for your use.

Very truly yours,

C. M. Allen  
Nuclear Licensing Administrator

lm

Attachment

cc: Dr. A. Bcuria - NRR  
NRC Resident Inspector - LSCS

2214K

8610170047 861006  
PDR ADOCK 05000373  
G PDR

IE 11  
11

ATTACHMENT

Response to

IE Bulletin 79-26 Revision 1, Boron Loss from BWR  
Control Blades (NPF-11, License Condition 2.C.(13))

- Item 1. LaSalle is tracking control rod blade exposure history on a monthly basis in accordance with LTP-1600-29, Control Blade End-of-Life Projection. Exposure records are maintained on 3-foot segments of each blade (4 segments per blade) on a continuing basis.
- Item 2. Presently, LaSalle does not have any control blades which exceed 34% boron depletion (all blade segments are less than 10% depleted). A control blade will be discharged prior to exceeding 34% boron depletion (1.962 snvt) for any 3-foot segment in accordance with LTP-1600-29.
- Item 3. Prior to the initial startup for LaSalle 1 Cycle 2, a single rod subcriticality check (LTP-1600-30) was performed utilizing the analytically determined strongest rod. In addition, each control blade was individually fully withdrawn to perform CRD testing and criticality was not achieved.

A local subcritical shutdown margin test (LTS-1100-14) was performed on 9-17-86 (prior to the initial critical for Cycle 2) utilizing the strongest control rod and a diagonally adjacent control rod. A shutdown margin of 1.259% K/K was demonstrated, which is in excess of the 0.741% K/K (.38% K/K + R) required by Technical Specifications for Cycle 2. A beginning of cycle shutdown margin (LTS-1100-1) was also determined from the initial critical on 9-17-86. The beginning of cycle shutdown margin was determined to be 2.78% K/K for Unit 1.

A boron loss shutdown margin increment was not required for the Unit 1 Cycle 2 shutdown margin tests because all control blade segments are less than 34% depleted (see Item 2). A boron loss increment for future cycles will not be necessary since the General Electric B<sub>4</sub>C original equipment control blades will be discharged prior to exceeding 34% boron depletion.