



Commonwealth Edison
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May 27, 1981

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

Subject: Dresden Station unit 2
Supplement to Immediate License
Amendment Concerning Single
Recirculation Loop Operation
for Operating License DPR-19
NRC Docket No. 50-237

Reference (a): J. S. Abel letter to H. R. Denton
dated May 24, 1981

Dear Mr. Denton:

Reference (a), telecopied to Mr. R. Frahn of your staff on May 24, 1981, documented Commonwealth Edison's request for an immediate, temporary amendment to Facility License DPR-19 in order to allow continued operation of Dresden Unit 2 with one recirculation loop out of service.

In a conference call on May 24, 1981 with Messrs. D. Crutchfield, J. Olshinski, P. O'Connor and R. Frahn of your staff, the details of our request were discussed, and we agreed to modify provision M.4. so that the Maximum Average Planar Linear Heat Generation Rate (MAPLHGR) limits would be reduced by a multiplier of .70 (as opposed to .87 or .84) for all types. The reduced MAPLHGR limits and remaining conservative provisions have been implemented, and we are continuing operation with one recirculation loop out of service based upon the verbal approval obtained in the conference call.

To facilitate your review, attached is a copy of NEDO-24807 (December 1980), the General Electric report which documents the single-loop operation analyses for Dresden Units 2 and 3 and Quad Cities Units 1 and 2.

Investigative and repair work has been proceeding around the clock since the MG set tripped on May 23, 1981. The problem has been identified as a short circuit in the stator windings of the MG set motor, necessitating a complete rewinding of the stator. Since the stator must be heated to 500°F in order to remove the old windings, we have determined that the most expeditious means of repair is to send the stator to a shop in Joliet to perform the

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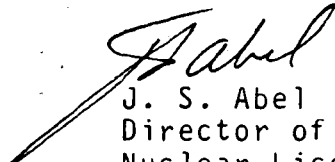
repairs. Due to the difficulties involved in shipping and receiving such equipment, and due to the complex processes involved in the rewinding operation, our best estimate of repair completion now exceeds three weeks from this date. We will continue to work around the clock until the repairs to the MG set are complete.

Accordingly, Commonwealth Edison now requests that the provisions to allow operation with one recirculation loop out of service described in Reference (a) be amended to allow such operation for a period of time not to exceed 4 weeks. The analyses attached completely justify unrestricted and unlimited operation with one recirculation loop out of service by demonstrating that the consequences of postulated transients and accidents are less severe than for two loop operation at full power. Since these analyses assumed a single loop operation maximum attainable power of between 60% and 80% of rated, and since Commonwealth Edison has further restricted both power level and MAPLHGR approximately an additional 20%, we believe this request to be justified, with less risk or impact upon the public than full power operation.

This change has been reviewed and approved by Commonwealth Edison On-Site and Off-Site Review.

Three (3) signed and thirty-seven (37) copies of this transmittal are provided for your review and approval.


Very truly yours,


J. S. Abel
Director of
Nuclear Licensing

Attachment

cc: On-Site Inspector - Dresden

SUBSCRIBED and SWORN to
before me this 21st
day of May, 1981


Nancy M. Nascento
Notary Public