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

February 5, 1979

THIS DOCUMENT CONTAINS
POOR QUALITY PAGES

Mr. D. L. Ziemann, Chief
Operating Reactors - Branch 2
Division of Operating Reactors
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Dresden Station Unit 1
Response to Request for Additional
Information Concerning Chemical Cleaning
NRC Docket No. 50-10

References (a): D. L. Ziemann letter to C. Reed dated
May 2, 1978

(b): M. S. Turbak letter to D. L. Ziemann
dated May 19, 1978

Dear Mr. Ziemann:

Reference (a) transmitted a request for additional information and documentation concerning the Dresden Unit 1 Chemical Cleaning, most of which was provided in Reference (b). The reports listed in Attachment I and enclosed with this letter provide the remaining information not included in Reference (b). This should complete all outstanding items concerning the chemical cleaning.

Also enclosed for your review is the Pre-Service Inspection Program for Dresden Unit 1.

Please address any additional questions you may have on this matter to this office.

One (1) signed original and thirty-nine (39) copies of this letter are provided for your use.

Very truly yours,

Robert F. Janecek

Robert F. Janecek
Nuclear Licensing Administrator
Boiling Water Reactors

attachment

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ATTACHMENT I

LIST OF REPORTS - DRESDEN 1 CHEMICAL CLEANING

A. General Electric Co. Test Reports:

NEDC-24143 - Intergranular Corrosion Tests of Sensitized Type 304 Stainless Steel in Dow NS-1, and Stress Corrosion Cracking Tests of Type 304 Stainless Steel and Carbon and Low Alloy Steels in Dow Copper Rinse Solution.

PME Transmittal No. 78-509-159 - Long Term Evaluation of the Effects of Exposure to Dow NS-1 Solvent on the Stress Corrosion Cracking of Sensitized Type 304 Stainless Steel.

PME Transmittal No. 77-509-70 (1st Fracture Mechanics Report) - Fracture Mechanics Tests of Simulated Clad Cracks in ASTM A336 Gr. F1 Exposed to Dow NS-1 Cleaning Solvent.

PME Transmittal No. 78-509-002 (2nd Fracture Mechanics Report) - Fracture Mechanics Tests of Simulated Clad Cracks in ASTM A335-P1, A302-B, A106-B, and A105 Exposed to Dow NS-1 Cleaning Solvent.

PME Transmittal No. 78-509-66 (3rd Fracture Mechanics Report) - Fracture Mechanics Tests of Simulated Clad Cracks in Additional Heats of ASTM A335-P1, A302-B, A160-B, and A105 Exposed to Dow NS-1 Cleaning Solvent.

Apparent Tests Results 509.ATR-17 (4th Fracture Mechanics Report) - Evaluation of Long-Term Tests of Simulated Clad Cracked Specimens.

B. Dow Nuclear Service Test Reports:

- Galvanic Corrosion of Bimetallic Couples in Dow Solvent NS-1.
- Stress Corrosion Testing on Highly Irradiated Type 304 Stainless Steel in Dow Solvent NS-1.
- Corrosion Testing on Type 410 (hardness) Stainless Steel in Dow Solvent NS-1.
- Effectiveness and Corrosion Effects of the Dow Dilute Copper Rinse.

- Effect of the Dow Dilute Copper Rinse Solution on Copper Washers in Dresden 1.

- Corrosion Rate of Silver in the Dow Dilute Copper Rinse Solvent.