



Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690 - 0767

December 17, 1986

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

Subject: Dresden Station Units 2 and 3
Thickness Checks Performed on
Drywell Shells
NRC Docket Nos. 50-237 and 50-249

Dear Mr. Denton:

In response to reports of potential corrosion of the Mark I drywell containment at Oyster Creek, Dresden Station has taken a set of measurements of drywell skin thickness on both Units 2 and 3. A review of the ultrasonic test results has not shown any detectable evidence of drywell corrosion of the areas examined. The small scatter in the data is believed attributable to inspecting through paint, normal plate thickness variations and the estimated +0.020 inch accuracy of the instrumentation.

The initial inspection of the Unit 2 drywell was conducted on December 4, 1986 and of Unit 3 on December 6, 1986. Both inspections were accomplished by General Electric UT personnel on site for the Unit 2 In-Service Inspection Program. The inspectors were Level II certified and the results were reviewed by a Level III examiner and an Authorized Nuclear In-Service Inspector. The UT machines were equipped with a CRT screen and for Unit 3 a digital readout was also available. Dresden's Quality Control and Technical Staff personnel directed the inspections.

The thickness measurements were taken at eight equally spaced azimuths (0°, 45°, etc.) inside the drywall at the basement elevation. These azimuths are directly between the vent header penetrations connecting the drywell to the torus. At each azimuth nine measurements were made over a 2' x 2' square with the bottom of the square at the drywell floor elevation of 520'4". These nine readings at each azimuth were then averaged. The average readings for the eight azimuths ranged from 1.06" to 1.16" on Unit 2. Similar readings on Unit 3 ranged from 1.06" to 1.18" for the average values at the eight azimuths and between 1.03" and 1.26 for all 72 readings.

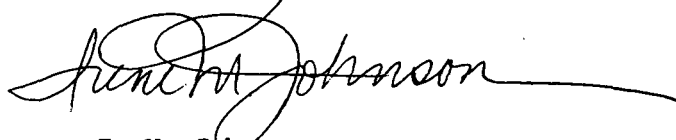
8701090240 861217
PDR ADOCK 05000237
PDR

A001
1/0

A review of CB&I design drawings indicates the wall thickness in the areas examined is 1.0 inch nominal with several plates of 1.06" thickness. The UT thickness measurements all meet or exceed these values in the respective areas within the accuracy of the inspections.

It should be pointed out that design drawings indicate the drywell basement floor is approximately level with the top of the circumferential sand pocket which exist on the drywall exterior. UT examinations along the sand pocket are not possible without the removal of concrete from the drywall basement floor.

Very truly yours,

A handwritten signature in cursive script, appearing to read "I. M. Johnson", with a long horizontal flourish extending to the right.

I. M. Johnson
Nuclear Licensing Administrator

df

cc: Resident Inspector - Dresden

2532K