

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

DOCKETED
USNRC

'84 OCT -5 11:25

In the Matter of)	
)	
COMMONWEALTH EDISON COMPANY)	Docket Nos. 50-454 OL
)	50-455 OL
(Byron Nuclear Power Station,)	
Units 1 & 2))	

OFFICE OF SECRETARY
DOCKETING & SERVICE
BRANCH

AFFIDAVIT OF ROBERT W. HOOKS

I, Robert W. Hooks being first duly sworn do hereby depose and say:

1. I am employed by Sargent & Lundy Engineers. My business address is 55 East Monroe Street, Chicago, Illinois, 60603. I am Assistant Division Head for the Structural Engineering Division.

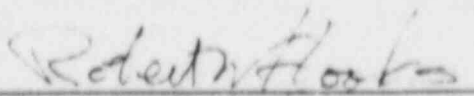
2. I received a Bachelor of Science Degree in civil engineering from the Ohio State University in 1971. I have thirteen years of experience in structural engineering and design of fossil and nuclear power plants. I am a Registered Structural Engineer in Illinois. I am a member of the American Concrete Institute (ACI).

3. I began my career as a Structural Engineer at Sargent & Lundy in 1971. I worked on several fossil projects and on the Clinton Nuclear Station. In 1973, I was promoted to Senior Structural Engineer and continued to work on Clinton, where I was responsible for design of several of the structures. In 1977, I was promoted to Supervising Design Engineer. In that position I was responsible for the structural design activities for Carrol County and then for

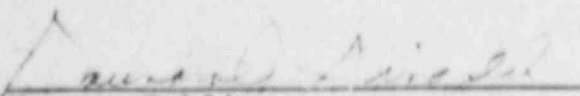
Marble Hill. In 1982, I was promoted to my current position and became responsible for Byron, Braidwood, and Marble Hill.

4. As an Assistant Division Head, I manage and coordinate the work performed by the Structural Engineering Division for the projects assigned to me. Currently, these include Byron and Braidwood. Personnel from the Structural Engineering Division are responsible for preparation, review and approval of nearly all structural design engineering calculations. I reviewed the NRC's Integrated Design Inspection (IDI) Report of September 30, 1983 and participated in the preparation of the responses to the questions raised in the IDI Report regarding structural design at Byron.

5. I have been asked by counsel for Commonwealth Edison Company to address the IDI findings regarding structural design at Byron which are referenced at pages 14-15 of Intervenor's Motion to Reopen the Byron Hearing Record filed September 12, 1984. My discussion of these matters is set forth in the attached "Joint Statement of Kenneth J. Green and Robert W. Hooks." Specifically, I was responsible for the statements which address IDI Findings 4-1 and 4-2. Those statements are true and correct to the best of my information and belief.


Robert W. Hooks

SUBSCRIBED and SWORN to
before me this 29th day
September, 1984.


Notary Public
My Commission Expires November 26, 1987