



UNITED STATES  
ATOMIC ENERGY COMMISSION

WASHINGTON, D.C. 20545

March 16, 1971

R. C. DeYoung, Assistant Director for Pressurized Water Reactors, DRL  
THRU: D. R. Muller, Chief, PWR Projects Branch #1, DRL *DRM/*

MEETING WITH CONSOLIDATED EDISON COMPANY OF NEW YORK, INC., INDIAN  
POINT NUCLEAR GENERATING UNIT NO. 3, DOCKET NO. 50-286

A meeting was held with Con Ed and its principal contractors in Bethesda on March 9, 1971. The meeting, requested by Con Ed, was a presentation by Con Ed of changes in the Unit No. 3 electrical design precipitated in part by our recent operating license review of the Indian Point Unit No. 2 application. An attendance list is attached. Briefly, the design aspects discussed were:

1. Improved separation of redundant system wiring in the control room engineered safety feature panel;
2. Two cable tunnels from the control room to the containment are provided;
3. Coding by color and number will be used on all cables;
4. Eight sequence switches will be provided for changing from injection phase to recirculation phase post-accident cooling;
5. Structural and electrical separation of the three emergency diesel-generators;
6. Two manholes for service water pump power will be provided as opposed to one on Unit No. 2;
7. Undervoltage sensors for starting the diesel generators will be connected to the 480 V buses;
8. An additional offsite power tie to the Buchanan Station, which includes an emergency gas turbine, will be provided;
9. Circuitry testing of the engineered safety features will be the same as Indian Point Unit No. 2 plus operation of the master relays; and
10. Administrative control is proposed for the motor operated valves in emergency core cooling system as opposed to the "power lock-out" feature used in Unit No. 2.

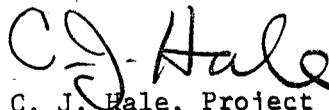
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Con Ed requested an early drawing review of the electrical systems. We advised the applicant that we would arrange a meeting when the drawings were completed. Con Ed feels the drawings will be ready for review in approximately 30 days.

D. Sullivan of the Electrical Systems Branch (DRS) is preparing a more detailed memo regarding the more salient areas of this meeting. One item of the meeting worthy of mentioning briefly, regards the cable routing in the two cable tunnels. From the information obtained at the meeting it would appear that the proposed cable routing does not offer any more protection of redundant electrical systems than the single tunnel design of Indian Point Unit No. 2. We advised the applicant we would pursue this potential problem further at the forthcoming drawing review meeting.

  
C. J. Hale, Project Leader  
PWR Projects Branch #1  
Division of Reactor Licensing

ATTENDANCE LIST

CON ED

P. Szabados  
R. Remshaw  
W. Mezzabarba  
J. Grob  
J. Prestele  
R. Saya

UE&C

D. Rhoads  
W. Robinson

AEC/DRL

C. Hale  
R. Lee  
O. Parr

WESTINGHOUSE

R. Cooney  
H. Clark, Jr.  
R. Wiesemann  
T. Puryear  
J. Grover  
P. Walker  
C. Hauge  
H. Skow  
C. Hauge  
W. Kortew

AEC/DRS

D. Sullivan

Distribution:

Docket File

DRL Reading

PWR-1 Reading

P. A. Morris

F. Schroeder

T. R. Wilson

R. C. DeYoung

R. S. Boyd

D. Skovholt

E. G. Case, DRS

R. R. Maccary

Compliance (4)

Branch Chiefs, DRL/DRS

N. M. Brown

R. W. Klecker

