



UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D.C. 20545

MAR 10 1971

FILES (Indian Point #2)

THRU: P. F. Collins, Chief, OLB, DRL *P.F.C.*

MEETING - INDIAN POINT #2 PERSONNEL RELATIVE TO FUEL LOADING LICENSE

A meeting was held with Messrs. Prestelle, Makepiece, Cantone, Collins, and the writer, March 2, 1971, to discuss the possibility of examinations for a limited license to load fuel.

Mr. Prestelle indicated that they might want to license nine operators to load fuel in Indian Point in event of a delay. Possible delays he pointed out could result from action of an intervener or a strike which appears imminent March 10, 1971.

Three possible approaches to operator examinations were discussed in event DRL authorizes the "fuel loading only" operation at Indian Point #2.

1. Oral exam only on fuel loading and associated systems.
2. Written fuel examinations along with regular oral.
3. Regular oral examinations complete.

The approaches were discussed and it was agreed that a compromise approach might serve the purpose. The approach would be to give a regular SRO oral examination. In event the candidate was weak and appeared marginal then at the end of the exam specific emphasis would be placed on the fuel loading aspects and associated systems.

Mr. Prestelle wanted to know how fast results of the examination could be furnished him. He was advised that upon completion of the examination the chief examiner could advise him of those who had passed and those individuals who appeared marginal. If the licensed numbers were desired,

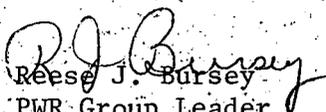
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MAR 10 1971

these would be supplied by telephone. It was pointed out during the course of the meeting that since most of the systems were involved in fuel loading that it might appear prudent to consider complete oral examination rather than an examination on limited systems. Mr. Prestelle indicated that he would contact Mr. Collins following the meeting with DRL on the next day. At this meeting Indian Point representatives will present their case to DRL.

  
Reese J. Bursey  
PWR Group Leader  
Operator Licensing Branch  
Division of Reactor Licensing



**Commonwealth Edison**  
Quad-Cities Nuclear Power Station  
Post Office Box 216  
Cordova, Illinois 61242  
Telephone 309/654-2241

*KJC*

FAP-72-148

August 2, 1972



Mr. Paul F. Collins, Chief  
Operator Licensing Branch  
Directorate of Licensing  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

Dear Mr. Collins:

We have received your letter, dated July 25, 1972, requesting that we provide a detailed listing of the differences between the Quad-Cities, Unit No. 1 Control Panels and the General Electric NPPS Control Panels. We have prepared a table indicating the differences between the control room panels. If you require any further information please let us know.

PANEL NO. NOTE	GE NPPS	QUAD-CITIES UNIT 1
901-2 a.	Stack Gas Monitor	None (Monitor on Panel 912-4)
901-3	Isolation Condenser Controls & Indications	None
	Indication is used for N <sub>2</sub> make up flow rate	Recorder is used for N <sub>2</sub> make up flow rate
	Indication is used for primary containment pressure	Recorder is used for primary containment pressure
b.	One control switch for Torus Relief Valves 1601-20A and 1601-20B	Individual control switches for Torus Relief Valves 1601-20A and 1601-20B.

DRAFT  
L:OLB  
8/11/72

FILES (QUAD-CITIES)

THRU: D. J. Skovholt, A/D for Operating Reactors  
Directorate of Licensing

USE OF THE GENERAL ELECTRIC ~~SIMULATORS~~<sup>NPPS</sup> FOR QUAD-CITIES EXAMINATIONS.

On July 18, 1972, F. A. Palmer, Quad-Cities Station Superintendent requested that the Operator Licensing Branch conduct the manipulative portion of the forthcoming operator examinations utilizing the G.E. NPPS located at Morris, Illinois. We requested additional information regarding the differences between the NPPS control panels and the Quad-Cities Control Panels. On August 8, 1972 we received the requested information.

We have reviewed the differences and have determined that there are two control panels involving three systems that are significantly different at Quad-Cities from those at the NPPS.

1. Panel 901-3 at the NPPS models the isolation condenser and associated instrumentation used at Dresden 2/3. Quad-Cities uses a RCIC system to perform the same function as the isolation condenser. Its associated instrumentation is located on Panel 901-4. In addition, the isolation condenser is automatically initiated upon receipt of a high reactor pressure signal while RCIC is manually actuated on lo-lo reactor water level. Consequently, this system and its operation must be explored with an applicant in its entirety at Quad-Cities. Also, we will be

unable to explore a loss of main condenser incident in regard to proper operator action while at the NPPS.

2. Panel 901-3 at the NPPS contains the controls and instrumentation for the LPCI and Shutdown Cooling Systems. The same panel at Quad-Cities contains the controls and instrumentation for the RHR system, which consists of the LPCI sub-system and shutdown cooling sub-system. The panel at Quad-Cities is a much more complex panel relative to equipment used and control positions for particular operations. Consequently, this system must be explored with the applicant at Quad-Cities. However, once the shutdown cooling sub-system is properly isolated, both LPCI systems are nearly identical. The systems contain the same equipment, the pumps take suction from the same tanks and discharge to the same lines, the initiating signals are the same and alternate flow paths are the same. Consequently, incidents that require LPCI actuation can be initiated at the NPPS and the operator's response adequately evaluated.

The balance of the differences are of no consequence in the conduct of that portion of the examination that will be conducted at the NPPS and, indeed are normally explored during the walk-through portion of the examination at Dresden.

← We believe, based on the information submitted and our knowledge of the facility involved, that meaningful examinations for Quad-Cities applicants can be administered utilizing the GE NPPS.

Enclosed is the listing of the differences between Quad-Cities and the GE NPPS. I have verified with Mr. Knobel, <sup>GE</sup> NPPS Manager, that all differences indicated by "e" will be "backfitted" at the NPPS, *but not in time for the forth coming examinations.*

PFCollins, etc.

Enclosure:  
As stated



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ATOMIC ENERGY COMMISSION

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MEETING WITH CONSOLIDATED EDISON RELATIVE TO TRAINING AND EXAM  
SCHEDULE - INDIAN POINT #2

Mr. Paul F. Collins and the writer met with Steve Cantone to discuss Commonwealth Edison's Indian Point 2 training program and upcoming examinations schedule. The dates of December 21 and 22 still look good for the col writtens. The dates for the operating tests remain indefinite and are based on a number of factors. The following points were discussed:

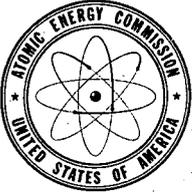
1. Mr. Cantone indicated that a comprehensive writeup of their system descriptions had been completed and copies were in the mail to us.
2. He indicated the technical specifications were constantly being changed and a number of points remained unresolved with DRL. Because of the changes the Tech. Specs would not be available to them until early in December. He wanted to know if it would be possible to withhold any written questions relative to the Tech. Specs. and cover the material on the operating test. After some discussion Mr. Collins indicated to him that this was impractical from our standpoint and that every effort should be made to review the Tech. Specs. prior to examination.
3. Mr. Cantone indicated the FSAR's were continuing to change particularly the emergency safeguard system and that this would present some problem in both their preparation and our preparation for the examination. We indicated that before issuance of the operating license an up-to-date copy of the FSAR's would be available.
4. Their training material was reviewed and commented on the list of questions provided us for our use. In discussing the training done by Indian Point it appeared the program was comprehensive and should meet their requirements and indicated that he would forward a letter to Mr. Collins

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outlining the points of our discussion that presented them problems. We assured him that we would work these out with him to the best of our ability.

Reese J. Bursey  
FWR Group Leader  
Operator Licensing Branch  
Division of Reactor Licensing



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SEP 17 1970

FILES

EXAMINATIONS AT QUADS CITY #1

On September 14, 1970 F. Palmer, Plant Superintendent, Quads City and B. Stevenson, Assistant Plant Superintendent, visited the office to discuss the forthcoming operator and senior operator license examinations.

Mr. Palmer indicated that their fuel loading was scheduled for mid February 1971. Based on this date we determined that the written examinations would be administered during the week of December 7, 1970 to the cold applicants and the operating tests the week of January 25, 1971.

Mr. Palmer requested that all the applicants (hot and cold) be administered the written examination during the week of December 7, 1970. In addition he requested that two sets of examinations be administered to avoid a delay in the pre-operational testing.

I informed Mr. Palmer that we would administer only one set of examinations during December 7, 1970 to only the cold applicants. The written examinations for hot applicants would be scheduled after the plant had reached some intermediate power level. This was concurred in by D. J. Skovholt and on September 15, I restated our position to Mr. Palmer.

Mr. Palmer indicated that he may want to discuss scheduling with us again as he was faced with severe scheduling problems.

A handwritten signature in cursive script, reading "Paul F. Collins".

Paul F. Collins, Chief  
Operator Licensing Branch  
Division of Reactor Licensing

SEP 17 1970

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ORIGINAL SIGNED BY  
P. F. COLLINS  
Paul F. Collins, Chief  
Operator Licensing Branch  
Division of Reactor Licensing

OFFICE ▶	OLB:DRL					
SURNAME ▶	<i>PFC</i> PFCollins:eh					
DATE ▶	9/16/70					



UNITED STATES  
 ATOMIC ENERGY COMMISSION  
 WASHINGTON, D.C. 20545

*F. L. Kelly*  
*Campbell*  
*for file*

February 12, 1969

Peter A. Morris, Director  
 Division of Reactor Licensing

MEETING WITH COMMONWEALTH EDISON ON QUAD-CITIES UNITS 1 AND 2 (DOCKET NOS. 50-254 AND 50-265)

Time and Date: 9:30 a.m., Friday, February 28, 1969

Location: Bethesda, Room P-422

Purpose: To discuss status of POL review (for detailed agenda refer to memo, C. G. Long to R. S. Boyd, February 6, 1969 on Status of Review of Quad-Cities POL).

Groups Participating: DRL - RP/RPB-3: C. Long, D. Ross, R. Johnson  
 RT/C&CTB: A. Gluckmann, E. Arndt, L. Porse, M. Fairtile  
 RT/I&PTB: D. Sullivan  
 RT/E&RSTB: R. Waterfield

*Charles G. Long*

Charles G. Long, Chief  
 Reactor Projects Branch No. 3  
 Division of Reactor Licensing

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