



**Energy Measurements Group • San Ramon Operations**

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Mr. R.C. Wilson  
U.S. NUCLEAR REGULATORY COMMISSION  
Division of Systems Integration  
Control Systems Branch-P772E  
7920 Norfolk Avenue  
Bethesda, MD. 20014

27 October 1980  
ESD# 6974

NOV 09 10 10 52  
REGISTRATION

RE: QUAD CITIES STATION, UNITS 1&2  
DOCKET NOS. 50-254 and 50-265  
IE BULLETIN 80-06, ESF RESET CONTROLS

Dear Dick:

Enclosed is the Quad Cities Station, Units 1&2 preliminary technical evaluation report (TER) for IE Bulletin 80-06.

The licensee, Commonwealth Edison, has responded to IE Bulletin No. 80-06 as follows.

- 1) Has complied with Action item 1 by reviewing the drawings to determine if all associated safety-related equipment remains in its emergency mode upon reset of an ESF actuating signal.
- 2) Has complied with Action item 2 by verifying by test that the equipment operates as shown on the drawings.
- 3) Has identified 11 systems which have equipment that may deviate from the emergency mode upon manual reset at the system level for valves and equipment but has not provided a description of actions taken or planned to assure adequate equipment control, nor a schedule for their implementation. We therefore conclude that the licensee is not in compliance with Action items 3 and 4.

The 11 systems, identified by the licensee, which may change position upon manual reset at the system level for valves and equipment are as follows.

- 1) Off-gas trip reset - Re-opens off-gas isolation valves after high radiation trip signal has cleared. Resets 15-minute timer on off-gas spike.
- 2) RPS scram reset - Closes scram valves and re-energizes scram pilot solenoid valves after RPS trip signals have cleared.

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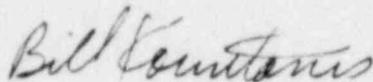
- 3) Control room vent isolation reset - Re-opens outside air and exhaust air dampers, provided that SBTG initiation, main steam high blow, smoke detector, and cold outside air signals have cleared.
- 4) Reactor building vent isolation reset - Opens vent isolation dampers after isolation signals have cleared.
- 5) Groups I, II, and III PCI resets - Permissive to re-open isolation valves, provided that the valves in the group are first placed in the closed position and all isolation signals are cleared for that group.
- 6) Auto-blowdown timer reset - If auto-blowdown initiation signals have cleared, can re-close relief valves.
- 7) Auto-blowdown drywell pressure reset - Resets drywell pressure relays for auto-blowdown after drywell high pressure condition has cleared. Allows relief valves to re-close if low-low reactor water level condition has reset.
- 8) HPCI and RCIC isolation resets - Permissive to re-open Group IV or Group V isolation valves, provided that isolation signals have cleared.
- 9) HPCI drain valves reset - Re-opens HPCI drains to condenser and closes drains to drain pot, provided that initiation signals have cleared.
- 10) RHR logic resets - Permissive to re-open RHR valves after LPCI initiation signals have cleared. Also, permissive to reposition LPCI and recirculation valves after LPCI loop-select initiation signals have cleared.
- 11) Group II, MO-1001-29 valve reset - Permissive for MO-1001-29A/B to auto-open after Group II isolation while shutdown cooling is in progress.

Before a final assessment of compliance can be completed for the above listed items, more information must be supplied by the licensee. The information needed is an operational description of the above systems, the effects of resetting each system, a description of the changes to be made (including schematic diagrams and sketches) in order to make the systems compliant and a schedule for their implementation. If the licensee does not modify the systems then a comprehensive justification should be given for our review.

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Please forward your comments and recommendations to me after you have reviewed the enclosed TER.

Sincerely,



BILL KOUNTANIS  
ENGINEERING SPECIALIST

Enclosures

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