

ATOMIC ENERGY COMMISSION

WASHINGTON, D.C. 20545

May 9, 1973

RECEIVED

Docket Nos. 50-254 and 50-265

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S. ATDAIL COMMITTEE ON PERCENCE SAFEGUARDS

Mr. Harold G. Mangelsdorf Chairman, Advisory Committee on Reactor Safeguards U. S. Atomic Energy Commission Washington, D. C. 20545

Dear Mr. Mangelsdorf:

Sixteen (16) copies of the following are transmitted for the

Committee's information:

Letter from Commonwealth Edison Company dated May 3, 1973, reporting details concerning the set point drifts of the instruments which monitor the reactor water levels of Quad-Cities Units 1 and 2.

Sincerely,

Donald J. &kovholt

Assistant Director for

Operating Reactors

Directorate of Licensing

Enclosures: As stated



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SUPPLEMENT MO. 166

CATEGORY B

Qued Cities 1 & 2

June 14, 1973

SUBJECT:

REACTOR WATER LEVEL IMSTRIBURNT SET-POINT DRIFT

WRS DO MB Licensee letter, B. B. Stephenson to A. Gienbusso, dated 5/3/73 reports details of subject drifts distributed during mormal surveillance calibration on 4/25/73.

Low-Level DP switch setpoint drifts were found to range from +0.3 to 78.0 from the Tech Spec limits of 66.8 R.O. One Low-Low-Level DP switch setpoint had drifted to 3 R.O above the Tech Spec limits of 115 R.O. (This drift corresponds to a trip setting for Group 1 indication at a water level mightly below the Tech Spec limits of 83" above the active fuel).

Gause: Unknown

Cure: Continue investigations and use larger celibration margin to allow for drift.

Consequences: No effect on reactor safety because of instrument redundancy and conservatism im Tech Spec trip points.

No ACRS action recommended

The enclosed material may be discarded following your review.

(MAB)

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SUPPLEMENT NO. 169

CATEGORY B REPORT

SEPTEMBER 18, AUFS

Quad Cities 1 & 2

SUBJECT:

- 1) ORDER FOR MODIFICATION OF OPERATING LICENSE
- 2) CHANGE NO. 8 TO TECHNICAL SPECIFICATIONS
- 3) SER ON FUEL DENSIFICATION EFFECTS

WRS

DL letter, A. Giambusso to J. S. Abel, Commonwealth Edison Company, dated August 24, 1973 transmits subject documents related to effects of fuel densification.

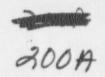
No ACRS action recommended.

The enclosed material should be incorporated into your set of Quad Cities Station documents.

(WAB)

FILE: Quad Cities 1 & 2

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SUPPLEMENT NO. 169

CATEGORY B REPORT

SEPTEMBER 19, 1973

Quad Cities 1

SUBJECT:

AMENDMENT NO. 6 TO OPERATING LICENSE

WRS

DL letter, A. Gismbusso to Byron Lee, Jr., Commonwealth Edison Company, dated August 24, 1973 transmits subject Amendment to permit licensee to possess up to 5000 kg of U235 as necessary for new fuel load.

No ACRS action recommended.

The enclosed material should be incorporated into your set of Quad Cities Station Unit 1 documents.

(WAB)

File: Quad Cities 1

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SUPPLEMENT NO. 168

CATEGORY B

Quad Cities 1

August 14, 2973

SUBJECT:

TECHNICAL SPECIFICATIONS

DO MB By letter dated July 11, 1973 Commonwealth Edison requested a change in the facility Technical Specifications allowing an increase in the amount of U-235 and plutonium which may be located on the site. This will allow up to 2/3 of a core to be stored in the new fuel vault and fuel pool, with a full core in the reactor, and receipt and use of fish assemblies containing 48 EEI-GE mixed fuel rods, previously described.

No ACRS action is recommended.

The enclosed material may be discarded after your review.

(MNL/WAB)

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SUPPLEMENT NO. 168

CATEGORY B

Presden/Quad Cities

August 14, 1972

BUBJECT:

CONTAINMENT LEAK TESTING

WK

By letter dated July 13, 1973 Commonwealth Edison identified sections of the newly promulgated appendix J to Part 50 (on Containment Leak Rate Testing) with which compliance is not

ACRS

possible and requested reconsideration.

No ACRS action is recommended.

The enclosed material may be discarded after your review.

(MWIL/WAB)

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SUPPLEMENT NO. 168

CATEGORY B

Qued Cities 1 & 2

August 14, 1873

SUBJECT:

STANDBY LIQUID CONTROL SYSTEM

& ACRS By letter dated July 11, 1973 Commonwealth Edison reported that Unit 2 Standby Liquid Control Pump A became inoperative during a periodic flow test due to lifting of the pump relief valve. It is postulated that the valve was lifted due to improper initial setting of the test pressure and failed to reset due to buildup of sodium pentaborate on the valve disc. A procedure change has been issued cautioning the operator about care in setting the pressure in future tests.

No ACRS action is recommended.

The enclosed material may be discarded after your review.

(MIL/WAB)

SUBJECT:

HIGH CONTAINMENT ACTIVITY

DO MB By TWX dated July 12, 1973 Commonwealth Edison reported continued high activity in the Reactor Building due to a drywell leak. The Building was in an isolated condition and the Standby Gas Treatment System was being operated.

No ACRS action is recommended.

The enclosed material may be discarded after your review.

(MWIL/WAB)



SUPPLEMENT NO. 168

CATEGORY B

Quad Cities 1 & 2

August 14, 1979

SUBJECT: DIESEL FAILURE

DO & ACRS By letter dated July 9, 1973 Commonwealth Edison reported the inoperability of the Station swing Diesel due to a blown fuse in the Control Circuitry. The failure occurred during the period between June 29, the last test of the angine, and July 1, when the condition was discovered. The fuse was found to have blown due to arcing at a defective indicator light socket.

A modification which would provide an alarm on a Control Circuit point failure is being considered.

No ACRS action is recommended.

The enclosed material may be discarded after your review.

(MWL/WAB)

SUBJECT:

TECHNICAL SPECIFICATIONS

DC & ACRS By letter dated July 24, 1973, DL requested additional information in connection with a requested change which would allow reduced control rod drive surveillance. Specifically, the details of a new type of rod design, claimed by the Licensee to justify a reduction in surveillance, and current scram response data are requested.

No ACRS action is recommended.

The enclosed material may be discarded after your review.

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SUPPLEMENT NO. 167

CATEGORY B REPORT

July 24, 1973

Quad Cities 2

SUBJECT:

Premature Lifting of Relief Valve on Standby

Liquid Control System Pump

WRS DO MB

Licensee TWX, N. Kalivianakis to John F. O'Leary, dated July 5. 1973 reports subject occurrence during routine surveillance testing. Licensee letter, B. B. Stephenson to John F. O'Leary reports:

> Cause: possibly low relief valve set-point in combination with extended relief.

> Consequences: none safety-related due to pump redundancy and hydraulic characteristics of system

Cure: Additional testing plus test procedure revision.

No ACRS action recommended.

The enclosed material may be discarded following your review.

(WAB)

Category B

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SUPPLEMENT NO. 167

CATEGORY B

Qued Cities 1 & 2

July 19, 1973

SUBJECT: PROPOSED DELETION OF TECH SPEC REQUIREMENT FOR PERIODIC SCRAM TESTING OF 25 CONTROL RODS

WRS & ACRS

Licensee letter, B. B. Stephenson to John F. O'Leary, dated July 2, 1973 withdraws June 1, 1973 request for waiver of subject surveillance (antil September 1973 sefuelling outage) pending REG decision regarding June 14, 1973 request for permanent deletion of the requirement from the Tech Specs.

Licensee Tech Spec change proposal of June 14, 1973 states: "The scram times for all control rods will be determined at the time of each refueling outage.

The surveillance requirement for measuring screm times of all the control rods after each refueling outage and 50% of the control rods during controlled shutdowns, but not more frequently than 16-week nor less frequently than 32-week intervals, is adequate for determining the operability of the control rod system yet is not so frequent as to cause excessive wear on the control rod system components."

Licensee further states that the proposed change is supported by the high degree of reliability of the CR system which has been demonstrated at Dresden and Quad Cities.

No ACRS action recommended.

The enclosed material may be discarded following your review.

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SUPPLEMENT NO. 167

CATEGORY B REPORT

July 19, 1973

Quad Cities 2

BUBJECT:

GASEOUS AND PARTICULATE ACTIVITY RELEASES IN EXCESS OF

WRS

MB

Licensee letter, B. B. Stephenson to John F. O'Leary, dated June 20, 1973 reports results of investigation of June 7, 1973 incident.

Cause: low-water-level scram plus auto startup of

Consequences: activity release rate 60% above T.S. but no baserd to PMAS

Cure: revision of procedures to require manual operation of SCTS as final indication of leak in reactor building plus measures to improve calculation of release rates

No ACRS action recommended.

The enclosed material may be discarded following your review.

(WAB)

Quad Cities 2

SUBJECT:

INVESTIGATION OF (PREVIOUS) TURBOCHARGER FAILURE

WRS

MB

Licensee letter, B. B. Stephenson to J. F. O'Leary, dated July 3, 1973 reports cause of incident attributed to reretype mechanical failure of planetary gear bearing and no further action is planned.

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No ACRS action recommended.

The enclosed material may be discarded following your review.

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SUPPLEMENT NO. 167

CATEGORY B

Quad Cities 1

July 19, 1973

SUBJECT: MIKED OXIDE PU RECYCLE RELOAD FUEL DESIGN AND SAFETY ANALYSIS REPORT

WRS & ACRS Licensee letter, Byron Lee, Jr. to John F. O'Leary, dated June 15, 1973 transmits subject analyses for the five prototype plutonium recycle fuel assemblies (48 PuO₂-UO₂ rods) to be installed in the first reload core. The Licensee concludes that:

- There are no significant safety considerations or environmental impacts involved in the loading of these five mixed oxide fuel bundles.
- 2. An ACRS review is not required.
- 3. A 30-day notice and public hearing is not necessary.

No ACRS action recommended.

The enclosed material should be incorporated into your set of Quad Cities Station documents.

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SUPPLEMENT NO. 167

CATEGORY B

Quad Cities 1 & 2

July 19, 1973

SUBJECT: PROCEDURES FOR FIRST PHASE OF HYPOCHLORINATION TEST PROGRAM

WRS

MB

Licensee letter, L. P. Butterfield to D. J. Skovholt, dated July 3, 1973, submits subject procedures for the condenser anti-fouling tests. (A limited-term waiver of Tech Spec limits on chlorine in the cooling water discharge bay was granted earlier by DL.)

No ACRS action recommended.

The enclosed material may be discarded following your review.

(WAB)

SUBJECT: GASEOUS AND PARTICULATE ACTIVITY RELEASES IN EXCESS OF TECH SPEC

WRS

MB

Licensee TWX, B. Stephenson to John F. O'Leary, dated July 9, 1973 reports subject release rates occurring on July 7-8, 1973. Releases were attributed to dry-well atmosphere leakage from Unit 1 during cold shutdown maintenance.

No ACRS action recommended.

The enclosed material may be discarded following your review.

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CATEGORY B - Quad Cities 1 & 2

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SUPPLEMENT NO. 167

CATEGORY E REPORT

July 18, 197

Quad Cities 1 & 2

BUBLIECT :

DISCHARGE BAY CHLORINE LEVEL IN EXCESS OF TECH SPEC LIMIT

MES DO

Licensee letter, B. B. Stephenson to John F. O'Leary, dated June 14, 1973 reports several instances of high chlorine

MB

(resulting from condenser anti-fouling treatment).

We ACRS action recommanded.

The enclosed material may be discarded following your review.

(WAB)

Quad Cities 1 & 2

SUBJECT:

PROPOSAL FOR OPERATION OF INSTALLED PORTION OF MODIFIED OFF-

GAS SYSTEM

WRS DO

Licensee letter, L. D. Butterfield to Angelo Giambusso, dated June 13, 1973, transmits subject proposal "in keeping with aLAP guidelines."

MR

No ACRS action recommended.

The enclosed material may be discarded following your review.

(MAB)

Quad Cities 1 & 2

SUBJECT:

SHARED DIESEL-GENERATOR FOUND INOPERABLE

WRS DO

MR

Licensee TWX, N. Kelivianskis to John F. O'Leary, dated 7/2/73 reports control circuit found inoperable due to blown fuse. Fuse was replaced and unit was tested satis-

factorily. Cause of blown fuse being investigated.

No ACRS action recommended.

The enclosed material may be discarded following your review.

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SUPPLEMENT NO. 167

CATEGORY D

Jume 28, 1973

Quad Cities 1 & 2

SUBJECT:

REVISION OF PROPOSED HODIFICATION 73-1 TO PEAR TO INCLUDE

REPERENCE TO PUEL OA PROCRAM

WRS

Licensee letter, L. D. Butterfield to J. F. O'Leary dated 5/16/73

trans-its revised page 3 to FSAR modification 73-1.

& ACRS

The revision notes that the Dresden 1 fuel QA program will be

applicable to the Quad Cities Station.

No ACRS action recommended.

The enclose saterial should be incorporated into your set of

Quad Cities documents.

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SUBJECT:

COOLING WATER DISCHARGE BAY CHLORING LEVELS IN EXCESS OF TECH

SPEC LIMITS

WRS DO

MB

Licensee letter, B. B. Stephenson to A. Giambusso dated 5/11/73.

reports continuing problems re: chlorine levels resulting free

con enser anti-fouling treatment.

No ACRS Action recommended.

The enclosed material may be discarded following your review.

(WAB)

FUBJECT:

REG APPROVAL OF PROPOSED TECH SPEC CHANGE TO PROVIDE COMPORMANCE WITH SECTION XI OF ASME CODE.

WRS &

REG letter, Donald J. Skewholt to Licensee dated 5/17/73, approves and transmits revised table 4.6.1 (pages 123-174) of Tech Specs

ACRS

No ACRS action recommended.

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SUPPLEMENT NO. 166

CATEGORY B

Quad Cities 1 & ?

June 16, 1973

SUBJECT:

TEMPORARY RELEASE PROM TECH SPEC CHLORINE DISCHARGE REQUIREMENTS

WRS DO

MB Did:

DL letter, Domald J. Skovholt to Licensee dated Jume 15, 197), approves Licensee request of Jume 5, 1973 for subject weiver (for a perase of 55 months) for the purpose of conducting test related to condenser tube fouling.

No ACRS action recommended

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SUPPLEMENT NO. 166

CATEGORY B

Quad Cities 1 & ?

June 16, 1973

SUBJECT:

REG REQUEST FOR ADDITIONAL INFO REGARDING JET PROPE

WES

DO

MB

DL letter, Dennis L. Ziemenn to Licensec, dated June 11, 1973, requests quantitative and graphical info on hydraulic forcing functions used for dynamic analysis.

No ACRS action recommended

The enclosed material may be discarded following your review.

(WAB)

operation of the superappropriate #5 and		Qual Cities 1 & 2	Project
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SUPPLEMENT NO. 166

CATROORY B

June 28, 1973

(MAW)

Qued Cities Unit 2

SUBJECT:

EXCESSIVE LEAKAGE PROM DEYWELL PURGE VALVE

WRS

DO MB Licensee letter, B. B. Stephenson to A. Giambusso, dated 5/16/73, reports subject finding during leakagerate testing on 4/16/73 (99.0 SCPM vs criteria limit of 18.36 SCPM for any one valve) .

Cause: 1/32 inch clearance between valve disc and rubber seal.

Reposition disc (reduced luckage to zero) and increase Cure: frequency of surveillance testing.

Consequences: None. Total allowable containment leakage did not exceed the limiting condition for operation (LCO)

No ACRS action recommended.

The enclosed material may be discarded following your review.

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