Docket Files

MAY 17 1973

Docket Nos. 50-254 and 50-265

Commonwealth Edison Company
ATTN: Mr. L. D. Butterfield, Jr.
Nuclear Licensing Administrator
Post Office Box 767
Chicago, Illinois 60690

Change No. 6
Licenses Nos. DPR-29
and DPR-30

Gentlemen:

Your letter dated April 11, 1973, proposed changes to the Technical Specifications of Facility Operating Licenses Nos. DPR-29 and DPR-30 for Quad-Cities Units 1 and 2, respectively. The proposed changes would bring the inservice inspection requirements, as exhibited in Table 4.6.1, for the subject reactor vessel in conformance with those of Section XI of the ASME Boiler and Pressure Vessel Code.

We have evaluated your submittal on the basis of Criterion 1 of the Commission's General Design Criteria for Nuclear Power Plants and Section XI of the ASME Boiler and Pressure Vessel Code. Based on our review, we have concluded that these proposed changes do not present significant hazards considerations and there is reasonable assurance that the health and safety of the public will not be endangered.

Pursuant to Section 50.59 of 10 CFR Part 50, the Technical Specifications of Facility Operating Licenses Nos. DPR-29 and DPR-30 are hereby changed by replacing the present Table 4.6.1 (as found on pages 123 through 126) with the enclosed revised Table 4.6.1.

Sincerely,

Original Signed by:
Donald J. Skovholt

Donald J. Skovholt
Assistant Director
for Operating Reactors
Directorate of Licensing

Enclosure and cc: See next page

Enclosure:
Revised Table 4.6.1 (pages 123 through 125)

cc w/enclosure:
John W. Rowe, Esquire
Isham, Lincoln & Beale
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Mr. Charles Whitmore
President and Chairman
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206 East Second Avenue
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Moline Public Library
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Moline, Illinois 61265

bcc:
Docket File
AEC PDR
Branch Reading
RP Reading
JRBuchanan, ORNL
TWLaughlin, OROO
EPA (3)
DJSkovholt, L:OR
ACRS (16)
RO (3)
OGC
DLZiemann, L:OR #2
RVollmer, L:QA
TJCarter, L:OR
NDUbe, L:OPS
MJinks (8)
RMDiggs, L:OR #2
R. Maccary
JIRiesland, L:OR #2

OFFICE ▶	L:OR	L:OR #2	L:OR	L	L:OR	
SURNAME ▶	JRiesland:rwg	RMDiggs	DLZieman	SSPawlicki	DJSkovholt	
DATE ▶	5/15/73	5/17/73	5/15/73	5/16/73	5/ /73	

Form AEC-318 (Rev. 9-53) AECM 0240 GPO 913—16—S14 415-678

TABLE 4.6.1

IN-SERVICE INSPECTION REQUIREMENTS FOR QUAD-CITIES

Category	Component Parts to be Examined	Exam Method	Frequency of Examination	Extent of Examinations (1)
A	Longitudinal and Circumferential Shell Welds in Core Region			Note: Not applicable with present plant design.
B	Longitudinal and Circumferential Welds in Shell (other than those of Category A & C) and meridional and circumferential seam welds in bottom head and closure head (other than those of Category C)	Volumetric	During each 10 year inspection interval (for 10% of each longitudinal and meridional 5% circumferential length seam)	Accessible top 10 ft. of vertical vessel weld @ 2 places (100% inspected in 10 years for approximately 2 ft. each refueling outage). 6 10% of meridional seam welds in vessel closure head and 5% of circumferential welds in vessel closure head. Note: Bottom head closure not applicable with present plant design.
C	Vessel-to-flange & head-to-flange-circumferential welds	Volumetric	Cumulative 100% coverage at end of 10 year interval.	~ 10% of vessel-to-flange & head-to-flange circumferential weld area each refueling outage. 6

Table 4.6.1 (cont'd)

Category	Component Parts to be Examined	Exam Method	Frequency of Examination	Extent of Examinations (1)	
D	Primary nozzle-to-vessel & nozzle-to-head welds & nozzle-to-vessel, & nozzle-to-head inside radiused section	Volumetric	Cumulative 100% coverage at end of 10 year interval.	Nozzle Welds: Recirc. Outlet (2) - 1/5 years Recirc. Inlet (10) - at least 1/refueling outage Core Spray Inlet (2) - 1/5 years Control Rod Drive Return (1) - 1/10 years Standby Liquid Control (1) - 1/10 years Head Instrumentation (2) - 1/5 years Head Spray Inlet (1) - 1/10 years	6
E-1	Vessel penetrations, including control rod drive penetrations & control rod housing pressure boundary welds	Volumetric	Cumulative 25% coverage at end of 10 year interval.	~five thimbles each refueling outage for accumulated 28% in 10 years Level instrument nozzles (4) - 1/10 years	6
E-2	"	Visual	"	Unaccessible vessel instrumentation nozzles on lower head, observed during hydrostatic test	

Table 4.6.1 (cont'd)

Category	Component Parts to be Examined	Exam Method	Frequency of Examination	Extent of Examinations (1)	
F	Primary Nozzles to safe-end welds	Visual & Surface & Volumetric	Cumulative 100% coverage at end of 10 year interval	Safe-ended nozzles: Recirc. Outlet (2) - 1/5 years Recirc. Inlet (10) - at least 1/refueling outage Core Spray Inlet (2) - 1/5 years Control Rod Drive Return (1) - 1/10 years Standby Liquid Control (1) - 1/10 years Head Instrumentation (2) - 1/5 years Head Spray Inlet (1) - 1/10 years	6
G-1	Closure studs and nuts	Volumetric & Visual or Surface.	Cumulative 100% coverage at end of 10 year interval	100% of vessel studs & nuts will be inspected each refueling outage.	6
	Ligaments between threaded stud holes	Volumetric	"	~10% of ligaments each refueling outage. Examination of bushings, threads and ligaments in base material of flanges may be performed from the face of the flange and are required to be examined only when the connection is disassembled.	6

Table 4.6.1 (cont'd)

Category	Component Parts to be Examined	Exam Method	Frequency of Examination	Extent of Examinations (1)
G-1-contd	Closure washers, bushings	Visual	Cumulative 100% coverage at end of 10 year interval	~10% of washers each refueling outage, bushings not applicable with present plant design.
	Pressure-retaining bolting >2" in diameter	Visual & Volumetric	"	~10% of recirculating pump bolts each refueling outage.
G-2	Pressure-retaining bolting <2" in diameter	Visual	"	Bolting will be examined when bolting is removed or when the bolted connected is broken or disassembled. For bolting which is not removed, or the bolted connection is not broken, the inspection will consist of a visual exam to detect signs of distress or evidence of leaking.
H	Integrally welded vessel supports	Volumetric	During 10 year interval	10% (approximately 8 ft.) of lineal ft. of vessel support skirt welding in 10th year.