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July 16, 1979

Mr. James G. Keppler, Director  
Directorate of Inspection and  
Enforcement - Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Subject: Byron Station Units 1 and 2 and  
Braidwood Station Units 1 and 2  
Velan Globe Valves  
NRC Docket Nos. 50-454, 50-455,  
50-456 and 50-457

Reference (a): March 30, 1979 letter from J. G. Keppler  
to Byron Lee, Jr. transmitting IE Bulletin  
No. 79-04

Dear Mr. Keppler:

During the review of Velan supplied valves in response to Reference (a), approximately sixty (60) globe valves per station were identified as having incorrect weights when compared to the drawings. Commonwealth Edison Company reported this as a potential deficiency under 10 CFR 50.55(e) to Mr. J. A. Konklin of your office. Following is a report of Commonwealth Edison's resolution of this matter.

Correct weights for the valves have been determined by recalculation and/or actual weighing by Velan Valve Corporation and the affected drawings have been corrected and redistributed. The Seismic Category I Systems which have been affected by the incorrect weights are listed in Attachment 1. The valve numbers and corrected weights are shown on Attachment 2.

A final check process using the final equipment and installation data will be performed on all Seismic Category I systems prior to fuel load. This process utilizes the PIPSYS Computer Code which is described in Appendix D.8 of the Byron/Braidwood FSAR. Any modifications that are required due to incorrect valve weights will be made at that time. In all cases, piping and support stresses will be maintained within the allowable limits per ASME Code Section III.

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Mr. James G. Keppler:

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Please direct any questions that you might have relative to this response to this office.

Very truly yours,

*Robert F. Naughton*  
for William F. Naughton  
Nuclear Licensing Administrator  
Pressurized Water Reactors

cc: Director, Division of Reactor  
Construction Inspection

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ATTACHMENT 1

Systems Affected by Incorrect Weights for Velan Globe Valves

Chemical and Volume Control System	(CV)
Safety Injection System	(SI)
Essential Service Water System	(SX)
Chilled Water System	(WO)
Auxiliary Feedwater System	(AF)

ATTACHMENT 2

WEIGHT CHANGES ON MAN SUPPLIED VALVES

<u>Supply Spec.</u>	<u>Size/Class Operator/Type</u>	<u>Tag Numbers (All Apply to Units 1 &amp; 2)</u>	<u>"Old" Weight Valve-Operator</u>	<u>Actual Weight Valve-Operator</u>
2702	3", 1500# Man. Globe	CV7037, 7038, 8107A/B, 8108, 8321A/B, 8322A/B, 8387A/B, 8388, 8403, 8408A/B, 8467A/B, 8514  SI8927	180	285
2718-3	6", 150# Man. Globe	WO019A-H	635	935
	3", 150# AO Globe	SX168	75 - ?	175 - 579
	6", 900# AO Globe	AF004A/B	988 - ?	988 - 895

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