

VELAN Inc.
 7007 Cote de Liesse, Montreal
 Quebec, Canada H4T 1G2
 Tel: (514) 748-7743 Fax: (514) 748-7592



March 07, 2007

U.S. Nuclear Regulatory Commission
 Document Control Desk
 Washington, D.C. 20555-0001

Attention: Document Control Desk

Subject: Piston Check Cv Information

Note: Similar Notifications were sent to each utility on the attached list.

Gentlemen,

As part of our product development and product verification process we recently performed flow testing of our Y-Pattern Welded Cover Piston Checks, 1/2" – 2" sizes. Regretfully we have concluded that the Cv value listed previously on the Velan Project Drawing was incorrect. Information contained below only applies to our Y-Pattern Welded Cover Piston Check, irrespective of connection (socket weld, butt weld or NPT) as well as material. As a result of discrepancies detected we will embark on a program to verify other valves using the like waterway profile. We anticipate being able to report our findings by the end of June 2007.

In order to facilitate your review of the Welded Cover Piston Check design only we are providing following reference table that lists applicable middle portion of the Velan Figure Number of valves in question. Please note that a typical Velan figure number looks like XXX-YYYYY-ZZZZ, where the first three characters represent the connection type and size while the last 4 characters indicate body material and trim; these characters have no impact on this evaluation and therefore are not mentioned hereunder.

Valve reference table

5 Digit middle portion of Figure Number	Description	5 Digit middle portion of Figure Number	Description
-0036W-	Class 150	-8036W-	Class 1690
-1036W-	Class 300	-4036W-	Class 2500
-2036W-	Class 600	-9036W-	Class 2680
-7036W-	Class 900		
-3036W-	Class 1500		

Cv data

Valve size	Valve specifics		Cv data	
	Seat Diameter	Flow bore	Original	As found
1/2"	0.559"	.375"	7.0	2.1
3/4"	0.559"	.500"	8.0	4.3
1"	0.833"	.750"	12.0	8.4
1 1/4" & 1 1/2"	1.125"	1.19"	25	24.0
2"	1.688"	1.69"	60	45.0

IE19



Page 2

We do not have sufficient information concerning the specific system and function applicable to these Piston Check valves and therefore we cannot assess whether a substantial safety hazard exists as a result of a lower actual flow coefficient. We therefore request that you review the individual applications for the aforementioned Piston Check valves. Should you run across any application where the lower Cv will impact significantly the safe operation of the plant, please contact Velan Valve Corp. and we will work with you to find a solution.

We trust this meets with your acceptance. Should additional information be required please feel free to contact the undersigned.

Sincerely yours,

Velan Inc.

A handwritten signature in black ink, appearing to read 'E. François', is written over the printed name and title.

Ewart I. François
Vice President Quality Assurance

EIF/atq

LIST OF UTILITIES THAT HAVE BEEN NOTIFIED REGARDING DISCREPANCY IN Cv VALUES ON OUR WELDED COVER PISTON CHECK VALVES, 2" AND SMALLER.

UTILITY NAME	PLANT NAME	Address
American Electric Power	Donald C. Cook	Manager Nucl. Licensing AEP, Nuclear Generation Group 500 Circle Dr. Buchanan, MI 49107-1395
Constellation Nuclear	Calvert Cliffs	Mr. James Carroll Calvert Cliffs Nuclear Power Plant 1650 Calvert Cliffs Parkway Lusby, MD 20657
Constellation Nuclear	Nine Mile Point	Mr. Dennis Weaver Nine Mile Point Nuclear Station L.L.C. 348 Lake Road Oswego, NY 13126
Detroit Edison	Fermi	Supervisor Mat. Eng., ETS Detroit Edison 6400 North Dixie Hwy. Newport, MI 48166
Dominion Nuclear	Millstone	Manager Nuclear Safety Engineering Dominion Nuclear Connecticut Inc. Millstone Power Station P.O. Box 128 Waterford, CT 06385
Dominion Nuclear	North Anna Surry	Manager - Nuclear Licensing & Operation Support Virginia Power Innsbrook Technical Center 5000 Dominion Blvd.
Duke Energy	Catawba McGuire Oconee	OEA Manager, Nucl. Assess Div. Mail Code EC 05P Duke Energy P.O. Box 1006 Charlotte, NC 28201-1006
Energy Northwest	Columbia Generating Station	Mr. Michael Woodruff Columbia Generating Station P.O. Box 968 Richland, WA 99352-0968
Entergy Nuclear Northwest	James A. Fitzpatrick	Director of Nuclear Safety Assurance & Operating Experience Department Entergy Nuclear NE James A. Fitzpatrick NPP 268 Lake Road East P.O. Box 110 Lycoming, NY 13093

LIST OF UTILITIES THAT HAVE BEEN NOTIFIED REGARDING DISCREPANCY IN Cv VALUES ON OUR WELDED COVER PISTON CHECK VALVES, 2" AND SMALLER.

UTILITY NAME	PLANT NAME	Address
Entergy Nuclear Northwest	Indian Point	Director of Nuclear Safety Assurance & Operating Experience Department Entergy Nuclear NE Indian Point Energy Center 495 Broadway #1 P.O. Box 308 Buchanan, NY 10511
Entergy Nuclear Northwest	Pilgrim	Director of Nuclear Safety Assurance & Operating Experience Department Entergy Nuclear NE Pilgrim Nuclear Power Station 600 Rocky Hill Road Plymouth, MA 02360
Entergy Nuclear Northwest	Vermont Yankee	Director of Nuclear Safety Assurance & Operating Experience Department Entergy Nuclear NE Vermont Yankee NPC 320 Governor Hunt Road P.O. Box 250 Vernon, VT 05354
Entergy Nuclear South	Arkansas Nuclear One Grand Gulf River Bend Waterford	Manager, Operating Experience M-ECH-595 Entergy Operations Inc. P.O. Box 31995 Jackson, MS 39286-1995
Exelon Generation	Braidwood Byron Dresden LaSalle County Quad Cities	Exelon Nuclear Manager-Licensing Section Correspondence Control Desk P. O. Box 805388 Chicago, IL 60680-5388
Exelon Generation	Limerick	Exelon Nuclear Manager-Licensing Section Correspondence Control Desk P. O. Box 160 Kennett Square, PA 19348
First Energy Nuclear Operating Co.	Davis Besse	Plant Engineering Manager Davis Besse, Mail Stop 1056 FENOC 5501 N. State Route 2 Oak Harbor, MI 43449-976
First Energy Nuclear Operating Co.	Beaver Valley	Manager, Site Regulatory Compliance Beaver Valley Power Station P.O. Box 4 Shippingport, PA 15077
Florida Power & Light	St. Lucie	Supervisor Performance Assessment FP&L

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UTILITY NAME	PLANT NAME	Address
	Turkey Point	700 Universe Blvd. P.O. Box 14000 Juno Beach, FL 33408
FPL Energy (NAESCO)	Seabrook	Ex. VP Chief Nucl. Officer NAESCO P.O. Box 300 Seabrook, NH 03874
Nebraska Public Power District	Cooper	OER Program Adm./IRC Supervisor Cooper Nuclear St. P.O. Box 98 Brownville, NE 68321
Nuclear Management Co.	Duane Arnold	Nuclear Generation Library Duane Arnold Energy Center 3277 DEAC Rd. Palo, IA 52324-9785
Nuclear Management Co.	Monticello	Plant Manager Monticello Nuclear Plant 2807 West County Road Monticello, MN 5536-9637
Nuclear Management Co.	Palisades	Procurement Eng. Supervisor Palisades Nuclear Plant 27780 Blue Star Memorial Hwy. Covert, MI 49043
Nuclear Management Co.	Point Beach	Procurement Eng. Group Point Beach Nuclear Plant 6590 Nuclear Road Two Rivers, WI 54241
Nuclear Management Co.	Prairie Island	PINGP Procurement Eng. Group Prairie Island Nuclear Plant 700 1st Street Hudson, WI 54016
Omaha Public Power District	Fort Calhoun	Manager, Nuclear Licensing & Industry Affairs FC-2-4 Administration Bldg. P.O. Box 399 Hwy 75 North of Fort Calhoun, NE 68023
Pacific Gas & Electric	Diablo Canyon	Manager Quality Assurance PG&E Co., Mail Stop 115/2 P.O. Box 56 Avila Beach, CA 93424

LIST OF UTILITIES THAT HAVE BEEN NOTIFIED REGARDING DISCREPANCY IN Cv VALUES ON OUR WELDED COVER PISTON CHECK VALVES, 2" AND SMALLER.

UTILITY NAME	PLANT NAME	Address
Progress Energy	Brunswick	Site Vice President, PE Brunswick Nucl. Plant NC Hwy. 87 P.O. Box 10429 Southport, NC 28461
Progress Energy Florida	Crystal River	Site Vice President, PE Crystal River 3 Nuclear Plant 15760 W. Powerline Street Crystal River, FL 34428
Progress Energy	Robinson	Site Vice President, PE Robinson Nuclear Plant SC Hwy. 151 & 23 Hartsville, SC 29550
Progress Energy	Shearon Harris	Site Vice President, PE Harris Nuclear Plant State Road 1134 P.O. Box 165 New Hill, NC 27562
PSEG Nuclear LLC	Hope Creek Salem	PSEG Nuclear, LLC Operating Experience Group NDAB, Mail Stop N21 P.O. Box 236 Hancoks Bridge, NJ 08038
Rochester Gas & Electric Corp.	Robert E. Ginna	Manager Quality Assurance RG&E Corp. 1503 Lake Road Ontario, NY 14519
South Carolina Electric & Gas Co.	Virgil C. Summer	SCE&G Nuclear Procurement Dept. 855 Jenkinsville, SC 29065
Southern Nuclear Operating Co.	Joseph M. Farley Edwin I. Hatch Alvin W. Vogtle	Licensing Manager Southern Nuclear Operating Company P.O. Box 1295 Birmingham, AL 35201 (Copy to: Manager - Supply Chain)
TVA Nuclear	Bellefonte Browns Ferry Sequoyah Watts Bar	TVA Nuclear Nucl. Assurance and Licensing Manager Operating Experience 1101 Market St. Chattanooga, TN 37402-2801
TXU Electric	Comanche Peak	TXU Electric Co. CPSES Nuclear Group VP P.O. Box 1002 Glen Rose, TX 76043

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UTILITY NAME	PLANT NAME	Address
Wolf Creek Nuclear Op. Corp.	Wolf Creek	WCNOC Manager Document Services 1550 Oxen Lane, N.E. Burlington, KS 66839
Areva	Various	Mr. Rob Gillispie Areva NP 3315-A Old Forest Road Lynchburg, VA 24501