REPORT NO.: 99900346/82-01	INSPECTION DATE(S)	8/30-9/3/82	INSPECT ON-SITE	ION HOURS: 56
CORRESPONDENCE ADDRESS:	Velan Valve Corpo ATTN: Mr. E. I. Vice Pres Avenue C, Griswo Williston, Vermon	Francois ident, Quality A ld Industrial Pa		
ORGANIZATIONAL CONTACT: TELEPHONE NUMBER:	Mr. Duncan Wintor (514) 748-7743	n, QC Manager		
PRINCIPAL PRODUCT: Nucl	ear Valves			
NUCLEAR INDUSTRY ACTIVIT sites which is approxima			valves to nine	e nuclear
ASSIGNED INSPECTOR:	7. Semos . T. Conway, React Section (R&CPS)	tive and Compone	nt Program	<u>11-4-52</u> Date
OTHER INSPECTOR(S): J	. W. Hamilton, R&G	CPS		
APPROVED BY:	9 Barnes, Chief, F	R&CPS		<u>11-4-52</u> Date
INSPECTION BASES AND SCO	PE:			
A. <u>BASES</u> : 10 CFR Part	50, Appendix B			
B. <u>SCOPE</u> : This inspect (a) damaged internal disks in 6-inch swin stop check valves at NRC Region II regard matic areas were ins processes, material action, NDE, records	s in 6-inch swing g check valves at Davis Besse, Unit ing welding contro pected: training, and manufacturing	check valves at Point Beach, Un 1; and (2) the ols. In additio (qualification, process control	Salem, Unit 2 it 1, (c) jamm receipt of a n, the follow control of spe s, nonconforma	2; (b) jammed med 2 ¹ 2-inch llegations by ing program- ecial ance/corrective
PLANT SITE APPLICABILITY	: Docket Nos. 50-	311, 50-266, an	d 50-346.	
		DESI	GHATED ORIGINAL	clark.
8212210366 821118 PDR 0A999 EMVVELAN 99900346 PDR		Carteriou -2	John Market	

REPONO.		99900346/82-01	INSPECTION RESULTS:	PAGE 2 of 5
Α.		LATIONS:		
	None	•		
в.	NONC	CONFORMANCES :		
	1.	of Quality Control (C and Routing Sheets (C for domestic nuclear and date for the foll transfer of marking C	n V of Appendix B to 10 CFR Part 50 and QC) Procedure VELW-QC-156.8, a review of ORS) and Nuclear Valve Assembly Routing orders indicated the absence of an ins lowing inspection activities: (a) ver- on an ORS for PO P3-5500-N; and (b) ass an NVARS for Data Package W810408.	of Operation g Sheets (NVARS) spector's stamp ification of
	2.	QC Procedure VELW-QC-	n V of Appendix B to 10 CFR Part 50 and -156.15, a review of record maintenance ords were neither identified in the QC ored in the vault.	e indicated
	3.	and 2.13 of QC Procee Assurance Department	n V of Appendix B to 10 CFR Part 50 and dure VELW-QC-156.13, a review of the Q Reports relating to corrective action er the review of or the effectiveness	uality implementation
c.	UNR	ESOLVED ITEMS:		
	None	e		
D.	STA	TUS OF PREVIOUS INSPEC	TION FINDINGS:	
	tion		80-01) - The F No. on a Welding Proced ferent to the F No. on the applicable).	
	chai qua Rev fil to	nged to reflect the co lification of WPS GT-8 . 3, "Manual GTAW of A ler metal group No. F-	at the September 1970 version of PQR V prrect F No. 7 which was applicable at 860, Rev. 0. In addition, a review of sustenitic Stainless Steel," (January 1 6 and weld metal analysis No. A-8 which R Nos. VEL-P-597(A) and 597(B), both d sptember 18, 1974.	the time of WPS GT 8860, , 1982) showed h are identical
Ε.	OTH	ER FINDINGS OR COMMENT	<u>'S</u> :	
	1.	regarding the adequa	uary 1982, a former welder at Velan ma cy of welding controls utilized at the documentation, welding, and NDE activi	Williston

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REPORT NO.:	99900	0346/82-01	INSPECTION RESULTS:	PAGE 3 of 5
	fol	ating to four nucleoning inspection lowing inspection eived by NRC Reg	clear projects currently in proc n findings which do not substant ion II:	cess resulted in the tiate the allegations
	а.	Documentation (of welds by others:	
		printed or writ other person's not certain whe not have the op also expressed	der indicated that on several of tten his name in the welding log initials always accompanied his ether he had made the particular oportunity to crosscheck it agai concern about the use of welder he only used his on one occassio	g book. However, the s name. The welder was r weld since he did inst the ORS. He rs' identification
		entered the de log book. The log books were of ORS's (i.e. dated and docur number and sign	lding log books showed that indi tails of each weld, dated, and s re was no indication that the en made by individuals other than , travelers) indicated that each mented on the ORS by the welder' nature. This satisfies the Code fication of a welder to the work	signed the welding atries in the welding a welder. A review welding operation was s identification e requirements regard-
	b.	Multiple pass penetrant or m	vs. single pass welds and radiog agnetic particle examination:	graphy vs. liquid
		be used while ever, he state welders to dev opinion that m	der was of the opinion that mult the procedure required only a si d that management never encourag iate from prescribed procedure. any welds should have been radic nt or magnetic particle examined	ingle pass weld. How- ged or instructed It was also his ographed instead of
		NDE procedures evaluation of r welding and ND with approved, The requirement	S's, PQR's, qualification record , qualification of inspectors, a manufacturing operations indicat E activities were being conducte qualified procedures, and by qu ts contained in the WPS's and th with ASME Code requirements.	and ORS's; and an te that both ed in accordance ualified individuals.

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2.	a revi	ew of applicable t three nuclear	with Velan's Corporate le documentation relation r facilities, the inspec	ng to the problem	is identi-
	T (B r G d h 1 p	ine to the turt internal damage. ref. Farrell/Su based on a revie returned from the das Company (PSE design problem a has initiated a (981) of the des bump turbines wh	Two 6-inch swing check bine driven auxiliary for Velan has supplied re allivan letter, dated Ju ew of the circumstances he site, both Velan and EG) have determined that associated with the subj review (ref. Rippe/Farm sign of the main steam p here the valves are inst eristics of the system re	eed water pump su eplacement intern une 19, 1981) to and material evi Public Service E t there is no gen ject Velan valves rell letter, date piping to auxilia talled, to determ	ffered al parts the licensee. dence lectric & eric . PSEG d June 26, ry feed tine if
	t	the low head saf	it 1 - Two 6-inch 1500 1 fety injection lines had valve leakage test.	lb. swing check v d unacceptable ba	alves in ck leakage
	v a 1 m 1 V v i i 1	alve in the ope gainst a machin ayout analysis manipulation of em is a function elan has notifical ve can be inco s required. In ncorporate a st ocking wire and	identified as the stick en position due to a dis- ned relief in the body. of all swing check valv- valves in-house, it was on of an accumulation of ied their customers to re- duced to jam open. Other haddition, Velan has ch cainless steel cotter pi d added an operation at disc assembly to determine	sc nut lockwire j Based on Velan' ve designs and ph s determined that f the machining t reroute the lockw erwise, no correc hanged the valve in in place of th assembly inspect	amming s review of ysical the prob- olerances. ire if the tive action design to e disc nut ion to lift
	p	avis Besse, Uni ressure injecti alves.	t 1 - Three $2\frac{1}{2}$ -inch sto on lines remained close	op check valves i ed during a test	n the high of check
	t t a c	orques by the 1 he major factor hree valves in ngle of 30 ⁰ . A losing torque,	ng has determined that the icensee and a steep values in disc jamming of the question were reassemble functional test was per which resulted in an in i) required to pop the	lve seat angle of ne stop check val led with new disc erformed using 150 nsignificant amount	15 ⁰ were ves. The s having an 0 ftlbs. nt of pres-

REPORT NO.:	99900346/8	2-01	INSPECTION RESULTS:		PAGE 5 of 5
	of	30°. In addit	currently being mar tion, Velan has reco to close the valve s	ommended to their c	ustomers
3.	procedur records,	es, training/c audit reports	documentation (e.g. qualification record s, etc.) resulted in 3. above) and the fo	is, ORS's, data pac the identification	kages, QA n of three
	ind	ex showed Rev.	edure Specification 2 (April 16, 1980) July 30, 1980).		
	(QW	-406) and tech	alification Record M nnique (QW-410) vari was no signature or	ables had been whit	ted out and
	res		lence of a procedure f a "Nuclear Approve ication Tags.		
	to	satisfy the re	d applicable procedu equirements of Apper rved discrepancies a	ndix B to 10 CFR Par	
	(1)	The organizational struc	ation chart does not	: reflect the curren	nt organiza-
	(2)	The organiza identified.	ational positions wi	th stop work author	rity are not
	(3)	the QA organ	o requirement for ma mization) to regular nce of the QA progra	ly assess the scope	e, status,

0	ER	SO	SI	CON	ITA	CT	ED	

Company VELAN Docket/Report No. 99900 346 /82-01

Dates AUG 30-SEPT 3 1982 Inspector CONWAY/HAMILTION Page 1 of 1

N Star

NAME(Please Print)	TITLE(Please Print)	ORGANIZATION(Please Print)
BOB LEE	Q.A. ADMINISTRABR	VELAN
DUNCAN WINTON.	Q.C. MANAGED	VELAN.
EWART FRANCEIS	V.P. QA	VELAN.
WILLIAM J. BLEAU	Q.C. DOCUMENTATION MER	VELAN
Andrew DAVIS	RUALIFY AUDIT MGK	VEZAW.
DAUE SMALL	WELDING SUPU	UELAN
JOHN FARRELL	CORP. MAY FUG(MIL)	Viscon.
PETRE HEBEY	RECEIVING INSPECTOR	VELAN
PAN JAROIS	METROLOGY TECHNICIAN	UELAN
PETER VELAN	U.P. ENGINEER NG/PROD	VELAN
PAUL STRELCZYK	RLANT MGR.	UELAN
	Section Products in the	
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The second second		
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Inspector John Hamilton

Scope/Module

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1	2	TITLE/SUBJECT ,	3	.4
1	4	Velar Value Corporation Quality assurance Manual	Jan 26, 1982	6
Z	8	Internal Audit Reports (18)	0 -	
3	. 8	Domestic Commerciai Nuclear Rejection Reports (14)	-	-
4	6	Corp QA mar memors on Review of Rejection Reports (8)	-	
5	8	Quality Control Documentation Mars's Log		-
6	8	Random selection of vault records (16)		
-7	6	approved Vendor List	May 18, 1982	16
8	8	Trispector Personnel records (15)		
9	6	List of Qualified Auditors	Nov 25, 1981	-
10		List of Nuclear Orders for Domestic appiration	-	-
	8	Internal Master audit Scheduse Dilliston Plant	1982	Issue Z
12	lo	Notification of Management audit Mtg (from VPJQA file)	1982	-
1.3	- 8	Guage Control Records (3)	-	-
14		Vendor audit Reports (5)	-	-
	* 			

Document Types:

- 1. Drawing
- 2. Specification
- 3. Procedure
- 4. QA Manual
- 6. Internal Memo 7. Letter

5. Purchas Order

8. Other (Specify-if necessary)

Columns:

- Sequential Item Number
 Type of Document
- 3. Date of Document
- 4. Revision (If applicab)

Inspector J. CONWAY

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	2	TITLE/SUBJECT	3	. 4
1	4	QUALITY ASSURANCE MANUAL	1/26/22	6
2	00	PROCEDURE QUALIFICATION RECORDS FOR SIX WELDERS		
3	3	WPS NO. GT- 8860 'MANUAL GTAW of AUSTENITIC STAINLESS STEEL'	1/12/82	3
4	3	WIS NO. GT-1160 'GTAW-MA WELDING OF CARBON STEEL !	3.	2
5	8	DISTRIBUTION LISTS for WELDING PROCEDURES \$ NDE PROCEDURES		-
6	0	CERTIFIED WELDER REPORT	8/3/82	-
1	00	NVE LOQ book		
8	3	WRS No. AGM 1160 'Auto Calbon Steel Seal Weld with E705-3'	11/30/81	2
9	3	WIS No. JAGM 1060 'GMAW ER 309 Willey of C/5'	6/23/81	1
0	3	WIS No. 5M dagz 'P4 to P4 with no PWAT (1/16 - 1/2)'	12/31/80	1
1	•	QC I - WLP 3.4 'UELAN TRAINING & INPOCTRINATION PROGRAM		
		RECEIVING INSPECTARS	-	
Z	8	REC. RO of APPROVAL STATUS for 4 NUCLEAR CONTRACTS	-	-
3	00	INFIECTION REPORT NOS, 5499 - 11094 - 11024		
4	0.	GAUGE CONTROL RECORD FORM for TIX INSTRUMENTS	-	
S	00	WF-9 TOOL ROOM FILLER METAL LOG BOOK		-
16	0	Log Book for CMTR'S on well rod	1.1.1.1	

Document Types:

5. Purchas Order 1. Drawing

2. Specification 6. Internal Memo

4. QA Manual

- 3. Procedure 7. Letter
 - 8. Other (Specify-if necessary)

Columns:

- Sequential Item Number
 Type of Document
- 3. Date of Document
- 4. Revision (If applicable

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1	2	TITLE/SUBJECT	3	4
17	00	Purchase orders & CMTR'S FOR THREE VENPORS		
18	3	VEL-NOT-640 B (HT) 'Hyprostatic TESTING'	5/00	0
19	3	UEL-NOT- 543 B 'MAGNETIC PARTICLE EXAMINATION'	7/82	4
20	3	UEL - NOT - SCAB 'LIQUID PENETRANT EXAMINATION	4:2	2
21	3	UEL - QCI - 477 " CHECK LIST - ASSEMBLY & FINAL INSPECTION"	8/82	4
22	3	VEL-P-631 'GTAW-MANUAL'	2/82	9
23	3	UEL-P-591 'SMAW-MANUAL'	10/17	B
24	90	DATA PACKAGE No. WSZOSSO (Seabrooke)		
25	8	PATA PACKAGE NO. W810408 (Marble Hill)		
26	0.	RATA PACKAGE No. W820527 (Nuie Mile H.)		
27	00	Control log for Welding Identification & Inspection Stamps		
20	00	Distribution 1-9 For QA Manual		
29	1	PWG. NO. P3-12506 - NI '4" PRESSURE SEAL GATE VALUE	7/81	A
30	3	W.P.S. No. 67 4461 'Man GTAW of LOW Alloy (P4-P4) N. PWHT'	12/80	2
Contraction of the local division of the loc	State of the Owner		1 1 1	

cument Types:

Drawing

- Specification
- Procedure QA Manual
- re 7. Letter
 - 8. Other (Specify-if necessary)

5. Purchase Order

6. Internal Memo

- Column Nos.
- 1. Sequential Item No.
- 2. Type of Document
 - 3. Date of Document
 - 4. Revision No., if applicab