



- NOTES:**
- FOR NOTES & DRAWING REFERENCES, SEE DRAWING NO. 5614-M-3047 SH. 1.
  - VALVE FAILS WITH FLOW TO VOLUME CONTROL TANK.
  - WEP = WASTE BORON PANEL.
  - ASP = AUXILIARY SHUTDOWN PANEL.
  - ELECTROMAGNETIC-LOADED METER IN VERTICAL PIPE RUN.
  - SEE 5610-T-0-19 FOR COMPLETE INFORMATION ON CONTROLS AND INSTRUMENTATION.
  - HAND WHEEL IS LOCKED IN A POSITION SO AS NOT TO INTERFERE WITH CONTROL ROOM OPERATION OF THE VALVE. VALVE FUNCTIONS AS BOTH ISOLATION AND RELIEF VALVE.
  - BORE A 3/16" HOLE IN ONE DISC TO PROVIDE A RELIEF PATH FROM BETWEEN THE DISCS IN THE DIRECTION OF THE ARROW.
  - SPECIAL SPRING LOADED CHECK VALVE - 75 PSIG BACKPRESSURE.
  - OS = OUTSIDE BIOLOGICAL SHIELD.
  - IS = INSIDE BIOLOGICAL SHIELD.
  - DH = DRAIN HEADER.
  - BORIC ACID HEAT TRACING SHOWN ON THIS DRAWING IS NOT IN SERVICE.
  - REGENERATED HEAT TRACING ON THE BORATION FLOW PATH PORTION OF CVCS AND ASSOCIATED PIPING INSULATION MAY BE PERMANENTLY REMOVED.
  - SELECTOR SWITCH BYPASSES THE INTERLOCK BETWEEN LCV-4-450 & CV-4-200A, B & C IN THE EVENT AN APPROPRIATE FIRE SPURIOUSLY OPENS CV-4-200A, B OR C PREVENTING LCV-4-450 CLOSURE.
- THIS DRAWING SUPERSEDES DRAWINGS:**
- |                |       |         |
|----------------|-------|---------|
| 5610-M-368     | SH. 1 | REV. 4  |
| 5610-M-1323    | SH. 1 | REV. 0  |
| 5610-M-420-3   | SH. 3 | REV. 32 |
| 5610-M-420-3   | SH. 2 | REV. 22 |
| 5610-M-420-214 | SH. 2 | REV. 7  |
| 5610-M-420-214 | SH. 3 | REV. 11 |

INFORMATION ONLY

5614-M-3047 SH.2

**DETAIL 3 (C-5)**

**DETAIL 2 (C-5)**

**DETAIL 1 (C-5)**

**DETAIL 4**  
TYPICAL DETAIL FOR CHARGING PUMP COOLERS

REV	DATE	REVISION	BY	CH	APP	APP	REV	DATE	REVISION	BY	CH	APP	APP
12	4-19-93	ISSUED AS-BUILT FOR PC/M 90-194.	RH	RV	ET	JCW	15	1-25-97	ISSUED AS-BUILT FOR DCR-TPM-93-549.	SMH	MD	LMK	WFM
11	04-01-93	ISSUED AS-BUILT FOR PC/M'S 92-011, 93-046 & 93-050.	DO	CHR	RFR	JR4	15	12-17-93	ISSUED AS-BUILT FOR DCR-TPM-93-453.	SMH	MD	LMK	WFM
10	03-06-93	ISSUED AS-BUILT FOR DCR-TPM-93-075.	DO	INITIALS	ON	FILE	14	09-20-93	ISSUED AS-BUILT FOR PCN-93-084.	SMH	MD	LMK	WFM
9	2-28-93	ISSUED AS-BUILT FOR DCR-TPI-92-292.	KT	DC	LUK	MF4	13	03-5-91	THIS DWG CREATED PER THE P & ID RECONSTRUCTION PROJECT SCOPE AND ISSUED INTO THE FPL DWG SYSTEM PER DCR-TPM-91-045.	SMH	MD	LMK	WFM
8	2-10-93	ISSUED AS-BUILT FOR PC/M'S 89-542, 92-090, 90-440, 91-038, 90-056 AND INCORP. CRN-M-5082.	INITIALS	ON	FILE	0	0						

**TURKEY POINT NUCLEAR UNIT 4**

**P & ID**

**CHEMICAL AND VOLUME CONTROL SYSTEM**

**CHARGING AND LETDOWN**

**ANSTEC APERTURE CARD**

**POD**

DRAWING NUMBER: 5614-M-3047

SHEET 2

REV. 15

9406200283

PDR RIDS

