



- NOTES:**
- BOUNDARY OF SRST CUBICLE.
  - TANK FURNISHED WITH FOUR 1" SW COUPLING SPARGER CONNECTIONS TO BE PIPED IN FIELD.
  - LOCATE VALVES AS NEAR AS POSSIBLE TO SRST CUBICLE.
  - LOCATE VALVE WL0187 IN FILTER VALVE CUBICLE NO. 9. USE MINIMUM 90° PIPING BENDS ON LINES.
  - CARRYING SPENT RESINS.
  - SPARGER CONNECTIONS (2) FOR SPENT RESIN TRANSFER PUMP TO BE FLUSH WITH TANK BOTTOM AND INDEPENDENT OF SR SLUICE PUMP SPARGER CONNECTIONS.
  - LOCATE ON TOP OF PIPE.
  - LOCATE VALVE CLOSE TO NITROGEN SUPPLY HEADER.
  - SPRAY NOZZLE APPROXIMATELY 5' FROM TANK TOP FOR FLUSHING RESINS FROM TANK SIDES.
  - FOR INSTRUMENTS SHOWN ON THIS DIAGRAM SEE GENERAL NOTE D ON 94318F00002.
  - ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SYSTEM DESIGNATOR UNLESS OTHERWISE NOTED.
  - ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SEPARATION GROUP N.
  - LOCATE P.I.'S NEAR P.D.'S IN FILTER CORRIDOR.
  - HI-LO WATER LEVEL ALARM.
  - HI-LO RESIN LEVEL ALARM.
  - A COMMON LOW FLOW ALARM FROM THE LOOP OF FT4898 WILL BE ACTIVATED ONLY IF EITHER SPENT RESIN SLUICE PUMP IS RUNNING.
  - DELETED
  - DELETED
  - DELETED
  - THIS DRAWING IS SHEET 3 OF 12 OF THE LWPS P&ID SET. SEE REFERENCES 2 THROUGH 12 FOR OTHER LWPS P&ID SET DRAWINGS.
  - REMOVE STARTUP STRAINER FOLLOWING COMPLETION OF SYSTEM FLUSHING ACTIVITIES.
  - OPERATOR TO OPEN THIS VALVE FOR RESIN TRANSFER THROUGH THIS LINE.

- REFERENCES:**
- FOR PIPING AND INSTRUMENT SYMBOLS SEE DRAWINGS 94318F00001 AND 94318F00002.
  - LWPS P&ID NO. 5R309F05022
  - LWPS P&ID NO. 7R309F05023
  - LWPS P&ID NO. 7R309F05024
  - LWPS P&ID NO. 7R309F05025
  - LWPS P&ID NO. 7R309F05026
  - LWPS P&ID NO. 7R309F05027
  - LWPS P&ID NO. 7R309F05028
  - LWPS P&ID NO. 7R309F05029
  - LWPS P&ID NO. 7R309F05030
  - LWPS P&ID NO. 7R309F05031
  - LWPS P&ID NO. 5R309F05027

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
14	3-5-96	INCORP. DCN 950421B.					
13	3-10-94	ISSUED FOR INITIALIZATION (EDITORIAL)					
12	10-29-93	INCORP. DCN MD-2838					
11	8-13-93	INCORP. DCN MD-2862					
10	11-13-92	M&P ASSUMES DESIGN CHANGE CONTROL & INC DCN JD-01541					
9	9-28-82	ISSUED FOR CONSTRUCTION					

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
16		EDITORIAL CHANGE, REF. CR# 97-10330-1, CORRECT INSTR. PANEL NUMBER					
15	12-17-96	EDITORIAL CHANGES TO ADD NOTE 22 AND SHOW VALVE WL0154 IS NORMALLY CLOSED.					

**SOUTH TEXAS PROJECT  
NUCLEAR OPERATING COMPANY**

PIPING AND INSTRUMENTATION DIAGRAM  
LIQUID WASTE PROCESSING SYSTEM

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA047.071			NONE	7R309F05024 # 2	16	

D279

LR BOUNDARY DRAWING NO.	REV.
LR-STP-WL-7R309F05024#2	0