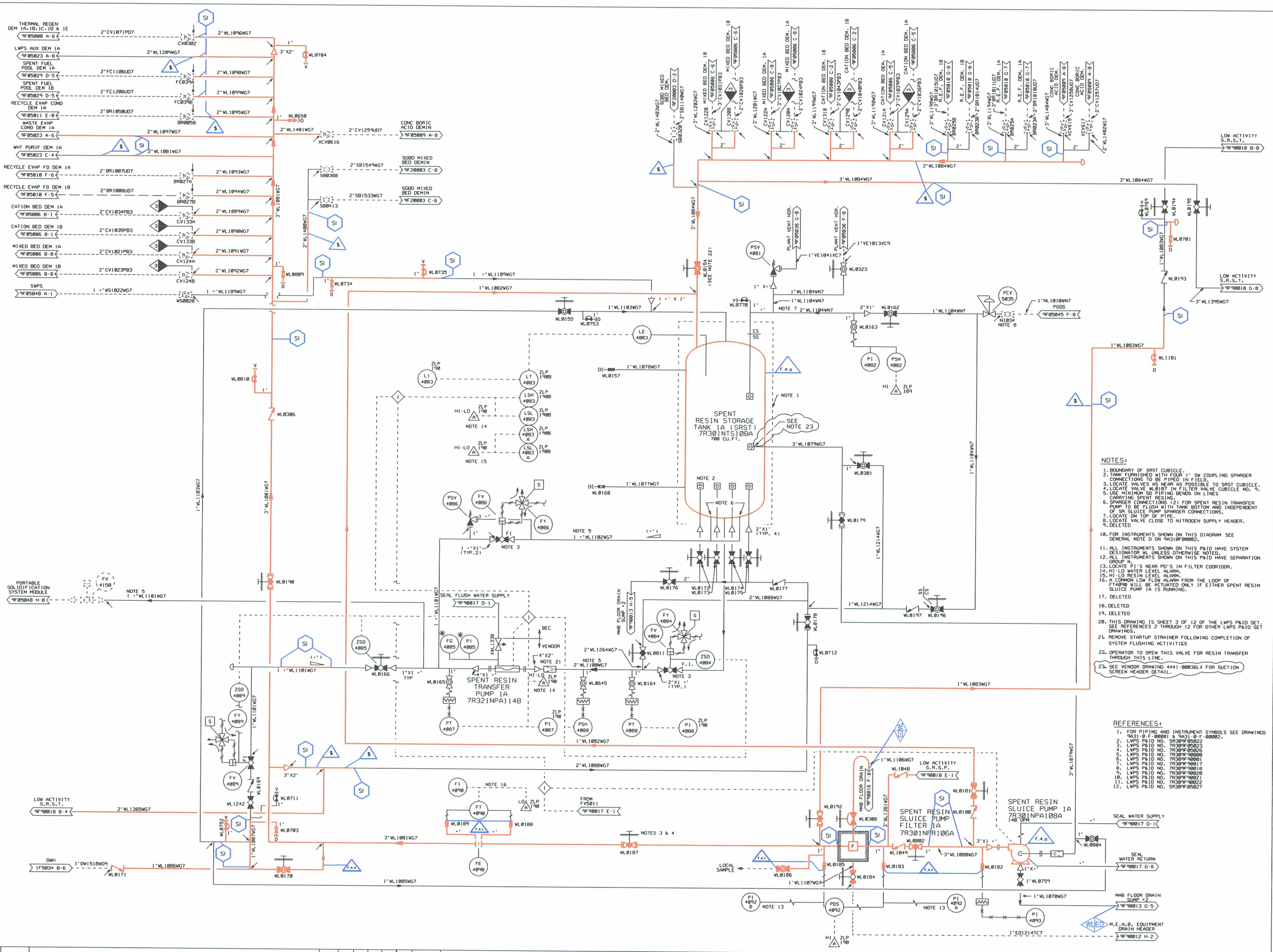

NOTES:

1. BOUNDARY OF SRST CUBICLE.
2. TANK FURNISHED WITH FOUR 1" SW COUPLING SPARGER CONNECTIONS TO BE PIPED IN FIELD.
3. LOCATE VALVES AS NEAR AS POSSIBLE TO SRST CUBICLE.
4. LOCATE VALVE WL0187 IN FILTER VALVE CUBICLE NO. 9.
5. USE MINIMUM 50 PIPING BENDS ON LINES CARRYING SPENT RESINS.
6. SPARGER CONNECTIONS (2) FOR SPENT RESIN TRANSFER PUMP TO BE FLUSH WITH TANK BOTTOM AND INDEPENDENT OF SR SLUICE PUMP SPARGER CONNECTIONS.
7. LOCATE ON TOP OF PIPE.
8. LOCATE VALVE CLOSE TO NITROGEN SUPPLY HEADER.
9. DELETED
10. FOR INSTRUMENTS SHOWN ON THIS DIAGRAM SEE GENERAL NOTE D ON 9A31BF00002.
11. ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SYSTEM DESIGNATOR WL UNLESS OTHERWISE NOTED.
12. ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SEPARATION GROUP N.
13. LOCATE PI'S NEAR PD'S IN FILTER COORIDOR.
14. HI-LO WATER LEVEL ALARM.
15. HI-LO RESIN LEVEL ALARM.
16. A COMMON LOW FLOW ALARM FROM THE LOOP OF FT4090 WILL BE ACTUATED ONLY IF EITHER SPENT RESIN SLUICE PUMP 1A IS RUNNING.
17. DELETED
18. DELETED
19. DELETED
20. 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.
21. REMOVE STARTUP STRAINER FOLLOWING COMPLETION OF SYSTEM FLUSHING ACTIVITIES
22. OPERATOR TO OPEN THIS VALVE FOR RESIN TRANSFER THROUGH THIS LINE.
23. SEE VENDOR DRAWING 4441-00036LX FOR SUCTION SCREEN HEADER DETAIL.

REFERENCES:

1. FOR PIPING AND INSTRUMENT SYMBOLS SEE DRAWINGS 9A31-0-F-00001 & 9A31-0-F-00002.
2. LWPS P&ID NO. 5R30*F05022
3. LWPS P&ID NO. 7R30*F05023
4. LWPS P&ID NO. 7R30*F05026
5. LWPS P&ID NO. 7R30*F90000
6. LWPS P&ID NO. 7R30*F90001
7. LWPS P&ID NO. 7R30*F90017
8. LWPS P&ID NO. 7R30*F90018
9. LWPS P&ID NO. 7R30*F90020
10. LWPS P&ID NO. 7R30*F90021
11. LWPS P&ID NO. 7R30*F90022
12. LWPS P&ID NO. 5R30*F05027

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
17		INCORP. DCN 9702744.	VJM				
0-16	9-28-82	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY

PRIORITY	RMSECM NO.	DOC.CTL.NO.	CADD FILE NO.
1	7R309F05024*1	D070928	FJA196.171

PIPING AND INSTRUMENTATION DIAGRAM
LIQUID WASTE PROCESSING SYSTEM

SCALE	DWG. NO.	REV.
NONE	7R309F05024*1	17

LR BOUNDARY DRAWING NO.	REV.
LR-STP-WL-7R309F05024#1	0A

D278

ESEED.DGN

8 7 6 5 4 3 2 1