



- NOTES:
- IN SERVICE DURING NORMAL OPERATION.
  - INLET AND RECIRCULATION CONNECTIONS TO BE BELOW NORMAL WATER LEVEL.
  - BLIND FLANGES NORMALLY INSTALLED ON DOWNSTREAM SIDE, UPSTREAM SIDE ROUTED TO FLOOR DRAIN. SPIRAL PEECE TO BE INSTALLED ONLY AFTER DEPRESSURIZATION. TUBING SHALL BE 1/2" X .065 WALL SS TUBING ASTM A213 TYPE 316 W/FITTING PER ASTM A403 TYPE 316. REFER TO SPEC. 42519251019.
  - MAKE CONNECTION AS CLOSE AS PRACTICABLE TO FV-4910.
  - MAKE CONNECTION ON SIDE OR BOTTOM.
  - LOCATE TEST VALVE CONNECTION AS CLOSE AS POSSIBLE TO ISOLATION VALVE. TEST CONNECTION ATTACHED TO BOTTOM OF PIPE FACILITATE DRAINING OF LINES.
  - DELETED.
  - ALL INSTRUMENTS SHOWN ON THIS DIAGRAM ARE PREFIXED BY THE UNIT NUMBER 2 UNLESS OTHERWISE NOTED. SEE GENERAL NOTE D ON 94318F00002.
  - ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SYSTEM DESIGNATOR ML.
  - ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SEPARATION GROUP N EXCEPT AS OTHERWISE NOTED.
  - DELETED.
  - DELETED.
  - DELETED.
  - DELETED.
  - THIS DRAWING IS SHEET 1 OF 12 OF THE LWPS P&ID SET. SEE REFERENCES 2 THROUGH 12 FOR OTHER LWPS P&ID SET DRAWINGS.
- REFERENCES:
- FOR PIPING & INSTRUMENT SYMBOLS SEE DRAWINGS 94318F00001 AND 94318F00002.
  - LWPS P&ID NO. 7R309F05022#2
  - LWPS P&ID NO. 7R309F05024
  - LWPS P&ID NO. 7R309F05026
  - LWPS P&ID NO. 7R309F05000
  - LWPS P&ID NO. 7R309F05001
  - LWPS P&ID NO. 7R309F050017
  - LWPS P&ID NO. 7R309F050018
  - LWPS P&ID NO. 7R309F050020
  - LWPS P&ID NO. 7R309F050021
  - LWPS P&ID NO. 7R309F050022
  - LWPS P&ID NO. 5R309F050027

LR BOUNDARY DRAWING NO.	REV.
LR-STP-WL-5R309F05022#2	0

**SOUTH TEXAS PROJECT**  
**NUCLEAR OPERATING COMPANY**

PIPING AND INSTRUMENTATION DIAGRAM  
 LIQUID WASTE PROCESSING SYSTEM

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE	NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
18	19-28-82	INCORP. DCN 0301868.	JSH												
17	19-28-82	ISSUED FOR CONSTRUCTION.	JSH												

PRIORITY	CADD FILE NO.	FSUG. NO.	STJ. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA495.181	0070928		NONE	5R309F05022#2	-	18