



- NOTES:**
1. NEEDED FOR DELAY BETWEEN WL319 & FV4077.
  2. DEMINERALIZED WATER CONNECTION TO FLUSH RADIATION MONITOR TO AFFECTED WASTE MONITOR TANK.
  3. LOWER LOOP TO EXTEND 12 INCHES BELOW CONNECTION & TOP LOOP TO EXTEND TO TOP OF TANK.
  4. OVERFLOW LINE TO EXTEND TO FUNNEL IN DRAIN HEADER.
  5. SIPHON BREAKER LOCATED ON TOP OF LOOP.
  6. TANK BOTTOM SLOPED.
  7. TUBING CONNECTOR (TYP) IS PROVIDED AND IS CAPPED.
  8. ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SYSTEM DESIGNATOR WL EXCEPT AS NOTED.
  9. ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SEPARATION GROUP N.
  10. BLIND FLANGES NORMALLY INSTALLED. SPOOL PIECE TO BE INSTALLED WHEN REQUIRED FOR DIRECT DISCHARGE FROM LHST. USE OF SPOOL PIECE TO BE ADMINISTRATIVELY CONTROLLED.
  11. DISCHARGE LINE 4" WL1156WG7 IS INSTALLED WITH A 6" DIA GUARD PIPE. LINE IS SLOPED TO THE MFG.
  12. VALVE FAILS TO RECIRCULATION POSITION ON LOSS OF POWER.
  13. DELETED
  14. DELETED
  15. WHEN ZS APPEARS WITH A COMPONENT THIS INDICATES IT HAS LIMIT SWITCHES.
  16. THE NUMBER OF VALVES FURNISHED BY GA IS SHOWN ON REFERENCE DRAWING 12.
  17. ALL INSTRUMENTS SHOWN ON THIS DIAGRAM SEE GENERAL NOTE "0" ON 9A310F00002.
  18. DELETED
  19. DELETED
  20. THIS DRAWING SUPERSEDES BPC DRAWING TPN5 NUMBER 7R309F0525 REV 0.
  21. THIS DRAWING IS SHEET 5 OF 11 OF THE LWPS P&ID SET. SEE REFERENCE 2 THROUGH 11 FOR OTHER LWPS P&ID SET DRAWINGS.
  22. VALVE EQUIPPED WITH CHAIN OPERATED HANDWHEEL.

- REFERENCES:**
1. FOR PIPING & INSTRUMENT SYMBOLS SEE DRAWINGS 9A310F00001 & 9A310F00002.
  2. LWPS P&ID NO. 5R309F05022.
  3. LWPS P&ID NO. 7R309F05023.
  4. LWPS P&ID NO. 7R309F05024.
  5. LWPS P&ID NO. 7R309F05026.
  6. LWPS P&ID NO. 7R309F00000.
  7. LWPS P&ID NO. 7R309F00017.
  8. LWPS P&ID NO. 7R309F00018.
  9. LWPS P&ID NO. 7R309F00020.
  10. LWPS P&ID NO. 7R309F00021.
  11. LWPS P&ID NO. 7R309F00022.
  12. LWPS P&ID NO. 5R309F05027.
  13. GENERAL ATOMIC DWG. NO. 8332-1001(C)10)SHT. 24 (4301-002810W, 8301-002730W).

LR BOUNDARY DRAWING NO.	REV
LR-STP-WL-7R309F90001*1	08

NO.	ISSUE DATE	REVISION
8	4-27-83	ISSUED FOR CONSTRUCTION.

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE	NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
7								6							
6								5							
5								4							
4								3							
3								2							
2								1							

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

PRIORITY: 1  
 CADD FILE NO. FJA174.151  
 FSUC. NO. 0070928  
 STI. NO.

PIPING & INSTRUMENTATION DIAGRAM  
 LIQUID WASTE PROCESSING SYSTEM

SCALE	DWG. NO.	SHT.	REV.
NONE	7R309F90001*1	1	15

D304