



- REFERENCE DRAWINGS:
- FOR PIPING & INSTRUMENT SYMBOLS SEE DRAWINGS 9A310F00001 & 9A310F00002.
 - LWPS P&ID 7R309F05022.
 - LWPS P&ID 7R309F05023.
 - LWPS P&ID 7R309F05024.
 - LWPS P&ID 7R309F05026.
 - LWPS P&ID 7R309F05000.
 - LWPS P&ID 7R309F05001.
 - LWPS P&ID 7R309F05018.
 - LWPS P&ID 7R309F05020.
 - LWPS P&ID 7R309F05021.
 - LWPS P&ID 7R309F05022.
 - LWPS P&ID 9R309F05027.
 - VENDOR DRAWING 0378-00005-BXX, 0378-00006-BXX

- NOTES
- OVERFLOW LINE 1" ML1354WG7, PRESSURE RELIEF LINE 1" ML1353WG7, VENT LINE 1" ML1356WG7 SUPPLIED BY BECHTEL.
 - REDUCERS AT PUMP SEAL.
 - ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR "ML" AND SEPARATION GROUP "N".
 - ALL INSTRUMENTS ON THIS DRAWING ARE PREFIXED BY THE UNIT NO. 1. SEE GENERAL NOTES D ON 9A310F00002.
 - DELETED.
 - TOP OF LOOP TO BE 1" BELOW TOP OF TANK.
 - DELETED.
 - XVL 1137, 1138, 1139, 1140 OR 1141 NEEDS TO BE THROTTLED TO PROVIDE 1 GPM SEAL WATER TO EACH DESIGNATED LWPS PUMP.
 - XVL 1142, 1143 & 1144 NEEDS TO BE THROTTLED TO PROVIDE 2.5 GPM SEAL WATER TO EACH DESIGNATED LWPS PUMP.
 - XVL 1148 THROUGH XVL 1156 NEEDS TO BE THROTTLED TO CONTROL SEAL WATER BACK PRESSURE AS REQUIRED FOR EACH DESIGNATED PUMP.
 - DELETED.
 - THE SWITCH FUNCTIONS ON THESE INSTRUMENTS HAVE BEEN DELETED.
 - DELETED.
 - DELETED.
 - THIS DRAWING IS SHEET 7 OF 12 OF THE LWPS P&ID SET SEE REFERENCES 2 THROUGH 12 FOR OTHER LWPS P&ID SET DRAWINGS.
 - XVL 1136 IS A THROTTLED VALVE.

D306

LR BOUNDARY DRAWING	REV
LR-STP-WL-7R309F90017#1	0A

NO.	ISSUE DATE	REVISION
16	6-24-03	REVISED PER CR # 04-4522-1.
15	9-9-02	INCORP. DCN 0301042.
14	9-9-02	INCORP. DCN 0200824.
13	7-12-83	ISSUED FOR CONSTRUCTION.

JSH	ON FILE	
VJM	ON FILE	
LNB	ON FILE	
SIGNATURES ON FILE		
NO.	ISSUE DATE	REVISION
1	FJA217.161	0070928

SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY

PIPING AND INSTRUMENTATION DIAGRAM
 LWPS PUMP SEAL WATER SYSTEM

PRIORITY	CADD FILE NO.	FUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA217.161	0070928	2	NONE	7R309F90017#1	1	16