



- NOTES:**
1. USE MINIMUM 50 PIPING BENDS ON ALL LINES CARRYING SPENT RESINS.
 2. LOCATE ON TOP OF PIPE.
 3. FOR INSTRUMENTS SHOWN ON THIS DIAGRAM SEE GENERAL NOTE D ON 9A301000002.
 4. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR WL.
 5. ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SEPARATION GROUP N.
 6. PSV TO BE LOCATED ABOVE THE TANK.
 7. VALVE TO BE CLOSE TO RESIN LINE.
 8. THERMAL DISPERSION LEVEL PROBE AT NINE DISCRETE LEVELS.
 9. HI-LO RESIN LEVEL ALARM.
 10. HI-LO WATER LEVEL ALARM.
 11. DELETED
 12. DELETED
 13. THIS DRAWING IS SHEET 8 OF 12 OF THE L.W.P.S. SET. SEE REFERENCE 2 THROUGH 12 FOR OTHER L.W.P.S. P&ID SET DRAWINGS.
 14. REMOVE STARTUP STRAINER FOLLOWING COMPLETION OF SYSTEM FLUSHING ACTIVITIES.
 15. OPERATOR TO OPEN VALVE FOR RESINS TRANSFER OPERATION.

- REFERENCES:**
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|--|-------------------------------|
| 1. FOR P&ID SYMBOLS SEE DWGS 07000011 & 0700002. | 9. L.W.P.S. P&ID 7R309F90020 |
| 2. L.W.P.S. P&ID 5R309F05022 | 10. L.W.P.S. P&ID 7R309F90021 |
| 3. L.W.P.S. P&ID 7R309F05023 | 11. L.W.P.S. P&ID 7R309F90022 |
| 4. L.W.P.S. P&ID 7R309F05024 | 12. L.W.P.S. P&ID 5R309F05027 |
| 5. L.W.P.S. P&ID 7R309F05026 | |
| 6. L.W.P.S. P&ID 7R309F90000 | |
| 7. L.W.P.S. P&ID 7R309F90001 | |
| 8. L.W.P.S. P&ID 7R309F90017 | |

LR BOUNDARY DRAWING NO. LR-STP-WL-7R309F90018#2	REV. 0
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NO.	ISSUE DATE	REVISION	BY	CKR	RE	DV	NA	SE	PE	NO.	ISSUE DATE	REVISION	BY	CKR	RE	DV	NA	SE	PE	
11	3-17-04	EDITORIAL CHANGES TO CHANGE VALVE POSITION AND ADD NOTE 15.	JSH																	
10	11-3-03	ISSUED FOR UNITIZATION (EDITORIAL)																		
9	11-3-03	INCOMP. DCN MD-2838 AND EDITORIAL																		
8	5-29-00	HLP ASSUMES DESIGN CHANGE CONTROL & INCOMP. DCN MD-513																		
8-7	3-2-04	ISSUED FOR CONSTRUCTION																		

NO.	ISSUE DATE	REVISION	BY	CKR	RE	DV	NA	SE	PE	NO.	ISSUE DATE	REVISION	BY	CKR	RE	DV	NA	SE	PE	
8																				
7																				
6																				
5																				
4																				
3																				
2																				
1																				

HOUSTON LIGHTING & POWER COMPANY
SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION

PIPING & INSTRUMENTATION DIAGRAM LIQUID WASTE PROCESSING SYSTEM	
SCALE NONE	DWG. NO. 7R309F90018 #2
REV. 11	