NOTES CONT'D:

20. THE INSTALLATION OF FILTER ELEMENTS INSIDE THE FILTER HOUSINGS OF THE FDT, LHST AND CPRWCT FILTERS IS OPTIONAL.

21. IN LIEU OF THIS SAMPLING ISOLATION VALVE AND ¾" TUBING TO PRIMARY SAMPLING PANEL ZLP-131, SAMPLE WILL BE TAKEN LOCALLY BY UTILIZING PUMP CASING DRAIN ISOLATION VALVES WL0760 FOR LHST SAMPLE AND WL0764 FOR CPRWCT SAMPLE.

22. HEAT TRACE ON LINES AND COMPONENTS FOR WL SYSTEM HAS BEEN ABANDONED/SPARED IN PLACE.

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NOTES:

1. LOWER LOOP TO EXTEND 12 INCHES BELOW CONNECTION AND TOP LOOP TO EXTEND TO TOP OF TANK.
2. OVERFLOW LINE TO EXTEND TO FUNNEL IN DRAIN HEADER.
3. SIPHON BREAKER LOCATED ON TOP OF LOOP.
4. TANK BOTTOM SLOPED.
5. PUMPS TO HAVE SEAL FLUSHING ARRANGEMENT AS FOLLOWS:

9F90017 SEAL FLUSH
SEAL FLUSH 9F90017

PUMP	SUPPLY CO-ORD.	RETURN CO-ORD.
LHST	E-1	H-8
CPRWCT	F-1	H-8
FDT1A	C-1	G-8
FDT1B	C-2	G-8

6. TUBING CONNECTOR (TYP-2) IS PROVIDED AND IS CAPPED.
7. LOCATE VALVE AND HANDWHEEL IN FILTER VALVE CUBICLE.
8. ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SYSTEM DESIGNATION WL EXCEPT AS NOTED.
9. ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SEPARATION GROUP N.
10. DELETED
11. LOCATE PI'S NEAR PD'S IN FILTER CORRIDOR.
12. DELETED
13. DELETED.
14. THE LARGE END OF THE REDUCER IS OPENED SO THAT THE TANK WILL NOT BE SUBJECT TO A VACUUM FROM THE VENT HEADER. THE REDUCER IS USED AS A FUME COLLECTOR TO ALLOW THE TANK GASES VENTED OFF THROUGH THE TANK VENT RISER TO BE COLLECTED AND SUCKED INTO THE PLANT VENT HEADER RATHER THAN DISCHARGED TO THE ATMOSPHERE.
15. ALL INSTRUMENTS ON THIS DIAGRAM SEE GENERAL NOTES ON DWG 9A310F00002.
16. DELETED
17. DELETED
18. THIS DRAWING SUPERSEDES BPC DRAWING TPNS NUMBER 7R301F5025.
19. THIS DRAWING IS SHEET 5 OF 12 OF THE LWPS P&ID SET; SEE REFERENCES 2 THROUGH 12 FOR OTHER LWPS P&ID SET DRAWINGS.

REFERENCES:

1. FOR PIPING AND 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. 7R309F90001
7. LWPS P&ID NO. 7R309F90017
8. LWPS P&ID NO. 7R309F90018
9. LWPS P&ID NO. 7R309F90020
10. LWPS P&ID NO. 7R309F90021
11. LWPS P&ID NO. 7R309F90022
12. LWPS P&ID NO. 5R309F05027

LR BOUNDARY DRAWING NO.	REV.
LR-STP-WL-7R309F90000#1	0

NO.	ISSUE DATE	REVISION	BY	CKR	RE	DV	NA	SE	PE
16		INCORP. DCN 9502341	DC						
15	7-18-94	INCORP. PCF 177615A	SIGNATURES ON FILE						
14	10-29-93	INCORP. DCN MD-2838	SIGNATURES ON FILE						
13	6-25-91	INCORP. DCN MD-2002	SIGNATURES ON FILE						
12	8-03-90	HL&P ASSUMES DESIGN CHANGE CONTROL & INCORP. DCN MD-1196	SIGNATURES ON FILE						
0-11	5-13-83	ISS FOR CONSTR., INCORP. DCN 1,2,3 7R309F05025) & REV RPT	SIGNATURES ON FILE						

NO.	ISSUE DATE	REVISION	BY	CKR	RE	DV	NA	SE	PE

HOUSTON LIGHTING & POWER COMPANY
SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION

PIPING & INSTRUMENTATION DIAGRAM
LIQUID WASTE PROCESSING SYSTEM

SCALE	DWG. NO.	REV.
NONE	7R309F90000 #1	16

EDWG.DGN

PRIORITY 1

DC NO. 0070928

FJA213.161