LR Note 1

ESSENTIAL COOLING WATER SUMP PUMPS

ESSENTIAL COOLING WATER WASTE SUMP
MECHANICAL AUXILIARY BUILDING

COLD CHEM. LAB SUMP

SUMP PUMP

BATTERY ROOM SUMP
ELECTRICAL AUXILIARY BLDG.

BATTERY ROOM SUMP PUMP
9M061BPS002A

HVAC EQUIPMENT ROOM
ELECTRICAL AUX BLDG

ELEVATOR NO 4 PIT SUMP

HVAC SUMP PUMP
9Q061NPA107A

CONDENSATE POLISHER RESIN BOX

CONDENSATE POLISHING AREA SUMP PUMPS

CONDENSATE POLISHING AREA SUMP
TURBINE GENERATOR BLDG

LR Note 1:
PSV6854, PSV6864 and PSV6874 have been removed. The associated drain lines are no longer connected to any process lines and have no LR intended function.

REFERENCES:
1. FOR PIPING AND INSTRUMENT SYMBOLS SEE DRAWINGS 6F00001 & 6F00002.
2. FOR CONDENSATE POLISHING AREA SUMP AND DRAIN DETAILS SEE DWGS 9Q0000, 9Q0009, 9Q0010, 9Q0011, 9Q0012, 9Q0025, 9Q0036, 9P0006, 9P0924, AND 9P60925.
3. FOR ECW SUMP DETAILS SEE DRAWINGS 9Q0112, 9Q0113, 9Q0119, 9Q0126, 9Q0139, 9Q0140, AND 9Q0147.
4. DELETED
5. FOR HVAC EQUIPMENT ROOM DRAINS SEE DRAWINGS 9Q0150, 9Q0152, 9Q0156, 9Q0158, AND 9Q0160, AND 9Q0161.

NOTES:
1. ALL INSTRUMENTS SHOWN ON THIS DIAGRAM ARE PREFIXED BY THE UNIT NUMBER 1 UNLESS OTHERWISE NOTED. SEE GENERAL NOTE D ON 6F0002.
2. ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SYSTEM DESIGNATOR DR.
3. ALL INSTRUMENTS SHOWN ON THIS P&ID HAVE SEPARATION GROUP N.
4. ONE (1) EXTRA CONTACT PER PUMP SYSTEM SHALL BE PROVIDED FOR HIGH-HIGH ALARM SIGNAL.
5. DELETED
6. THE P-TRAPS IN EAB FLOOR DRAINS AT ELEVATION 35' AND 60' ARE SEISMICALLY SUPPORTED, SUCH THAT THEY WILL MAINTAIN THEIR INTEGRITY FOLLOWING SEISMIC EVENT.
7. FLOOR DRAIN PIPING COMING IN THE EAB HVAC SUMP IS IMMERSED BELOW MINIMUM WATER LEVEL TO PROVIDE AIR SEAL FOR CONTROL RM ENVELOPE HVAC ROOM.
8. FLOOR DRAIN IS PROVIDED WITH REMOVABLE CAP TO PROVIDE AIR SEAL FOR CONTROL RM ENVELOPE HVAC ROOMS.
9. CONTROL ROOM HVAC FILTER UNIT DRAIN VALVES ARE LOCATED AT LEAST 1 FT AWAY FROM THE CORRESPONDING CARBON FILTER AND EASILY ACCESSIBLE FROM THE ENTRANCE DOOR. WHEN THESE VALVES ARE OPENED TO DRAIN FIRE PROTECTION WATER FROM CARBON FILTER UNITS, THE WATER WILL BE DISCHARGED FROM THE ECW SUMP ONLY AFTER SAMPLING SINCE IT COULD BE POTENTIALLY CONTAMINATED.
10. DELETED.
11. BALL/FLOAT CHECK BACKWATER VALVE, 4" PD-450 AS PER DWG. NO. 9-0-86-9-0-0036 (SEE PLUMBING VALVE LIST. DWG. NO. 9-A-31-9-B-0200).
12. SEE DWG. 7P109C3602J FOR DETAIL.
13. 2" CARBON STEEL THREADED UNION.

9087

LR BOUNDARY DRAWING NO.	REV.
LR-STP-DR-6Q069F20005#1	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
26		INCORP. DCN 0600028	KS				
25	9-14-00	REVISED PER CR 00-13339-1	JGL	ON FILE			
0-24	12-8-82	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE

SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.
1	FJA210.261	D070928	

PIPING AND INSTRUMENTATION DIAGRAM
NON-RADIOACTIVE DRAINS
MECH. AND ELEC. AUX. BLDG. AND TURBINE GEN. BLDG.

SCALE	DWG. NO.	REV.
NONE	6Q069F20005#1	26

ESEED DGN

8 7 6 5 4 3 2 1

D C B A