



- NOTES:**
1. EACH SGFW LUBE OIL COOLER IS RATED FOR 100% HEAT LOAD.
 2. THE INLET AND OUTLET PIPING TO THE MAB AND RCB CHILLERS MAY BE REMOVED TO ALLOW THE INSTALLATION OF TEMPORARY COOLING.
 3. SEE PUMPING INSTALLED TO 9220000076.
 4. CONICAL ORIFICE DRAWING BACKWARD FROM INDICATED FLOW ARROWS I.E. POINTED END OF THE ORIFICE IS DOWNSTREAM.
 5. DELETED.
 6. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR OR UNLESS OTHERWISE NOTED.
 7. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP N.
 8. FOR FLOW VALUES, INSTRUMENTS, EQUIPMENT ETC. REFER TO DRAWINGS 94310F000001 & 94310F000002 FOR IDENTIFICATION DETAILS.
 9. FOR VENTS, DRAINS & POIS ON THE MAB AND RCB CHILLERS: SEE P&ID 9101010402 THRU 9101010408.
 10. DELETED.
 11. TERMINATE VALVES & CAPS WITH EXCITER VENT LINES ON MEZZANINE FLOOR.
 12. PIPE CAP HAS "V" VENT HOLE.
 13. DRAIN VALVE TO INSERVICE STRAINER BASKET NORMALLY CLOSED. DRAIN VALVE TO TYLE STRAINER BASKET NORMALLY OPEN.
 14. FOR STEAM GENERATOR FEED PUMP LUBE OIL SYSTEM, SEE P&ID'S 71171F22548, 71171F22549 & 71171F22550.
 15. THE CONICAL SECTION ON FLOW ORIFICE 7104504A WAS REMOVED PER DCP 95-0811-15. THE ORIFICE PLATE IS RATED FOR FULL FLOW AND HAS A DRIFICE DIAMETER THE SAME SIZE AS THE INSIDE DIAMETER OF THE PIPE.
 16. POINT RELIEF VALVE DISCHARGE DOWNWARD.
 17. S.S. SLIP BLIND.
 18. 150# C.S. BLIND FLANGE AND SPACER.

- REFERENCES:**
1. VENDOR DWG NO. 4802-1301001WT
 2. VENDOR DWG NO. 4818-010000P

NO.	ISSUE DATE	REVISION
51	10-25-06	INCORP. DCN 0601039.
50	10-18-06	INCORP. DCN 0602063.
49	3-6-06	REVISED PER CR 06-69-13
48	3-20-05	INCORP. DCN 0401552.
47	2-9-05	INCORP. DCN 0500151.
0-46	9-20-02	ISSUED FOR CONSTRUCTION

NO.	ISSUE DATE	REVISION
54	8-2-09	INCORP. DCP'S 0901129 AND 0902095.
53	8-2-09	INCORP. DCN 0802437.
52	12-8-00	INCORP. DCN'S 0001717 & 0001745.

**SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY**

PIPING AND INSTRUMENTATION DIAGRAM
OPEN LOOP AUXILIARY COOLING
WATER SYSTEM

PRIORITY	CADD FILE NO.	FSUC. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	FJA04.541	0070928		NONE	6T249F00033#1		54

2232

LR BOUNDARY DRAWING NO.	REV.
LR-STP-OC-6T249F00033#1	0