LR NOTE 1: The Essential Chiller 3V111VCH006 is evaluated in the CH system LRID.

LR NOTE 2: The Diesel Generator Cooling Water Heat Exchangers are evaluated within the DG system LRID.

LR NOTE 3: The Component Cooling Water Pump-1C supplementary cooler 11C is evaluated within the HM system LRID.

LR NOTE 4: The Component Cooling Water Heat Exchanger 1C is evaluated within the CC system LRID.

VENTS AND DRAINS
ECW SELF-CLEANING STR. 1C

NOTES:

1. THE CROSS TIE VALVES BETWEEN ECW TRAINS SHALL BE MAINTAINED "LOCKED CLOSED". THEY SHALL ONLY BE USED FOR THE PURPOSE OF FILLING AN IDLE TRAIN.
2. INSTRUMENT TAKEOFF PIPE AND FITTINGS TO AND INCLUDING THE ROOT VALVE SHALL CONFORM TO THE MAIN LINE SPEC.
3. LOCATE FLANGE OUTSIDE INTAKE STRUCTURE.
4. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR EW.
5. ALL INSTRUMENTS ON THIS P&ID ARE SEPARATION GROUP N UNLESS OTHERWISE DESIGNATED.
6. 1"EW1403.1404 & 1411WT3 ARE CONNECTED TO THE ECW SELF CLEANING STRAINERS.
7. DELETED
8. FOR DESCRIPTION OF EXPANSION JOINTS, REFER TO EQUIPMENT INDEX ENGINEERING REPORT NO. 96470M24000.
9. THE CORROSION MONITORING SYSTEM HAS NO EW OPERATIONAL FUNCTION. ITS PURPOSE IS TO MONITOR FOR CORROSION PRODUCTS IN THE EW SYSTEM.
10. DELETED.
11. FOR CHILLER DETAIL SEE DWGS: 1V01052 (CH)LLER 12A) 1V01053 (CH)LLER 12B) 1V01054 (CH)LLER 12C).
12. DELETED
13. DELETED
14. DELETED
15. DELETED
16. FOR COLD WEATHER OPERATION, THIS VALVE TO BE IN THE CLOSED POSITION.
17. CHECK VALVE (EW0264) INTERNALS REMOVED.
18. DO NOT REMOVE ESSENTIAL CHILLER OR EW PIPING. THESE COMPONENTS PROVIDE A PIPE SUPPORT TO THE EW PIPING FOR THE 300 TON CHILLER.

D113

LR BOUNDARY DRAWING NO.	REV.
LR-STP-EW-5R289F05038#1-3	0C

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
15		INCORP. DCN 0600504.	VJM				
14	3-25-05	INCORP. DCN 0500415	KS	ON FILE			
13	8-1-02	INCORP. DCN 0201579.	JSH	ON FILE			
12	4-09-02	INCORP. DCN 0200308.	SIGNATURES ON FILE				
11	2-07-02	INCORP. DCN 0200307.	SIGNATURES ON FILE				
0-10	11-15-93	ISSUED FOR CONSTRUCTION.	SIGNATURES ON FILE				

ESEED.DGN

SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY

PIPING AND INSTRUMENTATION DIAGRAM
ESSENTIAL COOLING WATER SYSTEM
TRAIN 1C

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. NO.	SCALE	DWG. NO.	SHT.	REV.
1	F0193.151	D070928		NONE	5R289F05038#1	3	15