...LR-001_f.dgn 5/14/2004 9:50:24 AM

QUALITY RELATED
NON SAFETY RELATED
SAFETY RELATED
(REF. SAR FIG. 10.1-3f & 1SPT-1F)

Constellation Energy Group
NINE MILE POINT
NUCLEAR STATION
UNIT 2 - SCRIBA, N.Y.

PIPING & INSTRUMENTATION DIAGRAM
MAIN STEAM

DRAWING NO LR-1F-0
SCALE NONE

PLEASE REFER TO DRAWING LR-000 SHEETS 2A THROUGH 2F FOR LR BOUNDARY DRAWING NOTES, SYMBOLS, AND ACRONYMS.

LR NOTE:

THIS DRAWING WAS PRODUCED ELECTRONICALLY, DO NOT MAKE ANY CHANGES MANUALLY.

NOTES:
1. ALL INSTRUMENT & EQUIPMENT NUMBERS TO BE PREFIXED WITH "2MSS-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (#) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT ON INSTRUMENTS WHICH ARE A PART OF THE NUCLEAR SAFETY FEATURES SYSTEMS.
2. GENERAL ELECTRIC IDENTIFICATION NUMBERS ARE SHOWN IN PARENTHESES. SEE SPEC NMP2-PSH APPENDIX I FOR DETAILED REQUIREMENTS.
3. LIMIT OF 0A CAT I NON NUCLEAR SAFETY RELATED SYSTEM
4. ALL VENTS AND DRAINS ARE 3/4" UNLESS OTHERWISE NOTED.
5. ALL PIPING SHALL BE CLASS 901 EXCEPT WHERE OTHERWISE SHOWN.
6. FOR DESCRIPTION OF RADIATION MONITORING SYSTEM AND LOCATION TO PROBES REFER TO GE-NESO NOTES 22A 146A REV 2 PROCESS RADIATION MONITORING SYSTEM.
7. ◆ DENOTES DISSIMILAR METAL WELD.
8. # DENOTES SUPPLIED BY GE-NEO.
9. ◇ DENOTES MINIMUM DISTANCE TO BOTTOM OF PIPE FOR INSTALLATION (LATER).
10. ORIFICE TO BE LOCATED AS CLOSE TO DRAIN POT AS POSSIBLE. IN NO CASE SHALL THIS PIPE RUN EXCEED 12 FEET.
11. SEE TABLE FOR TYPICAL AOV'S AND SOV'S ASSUMED IN THIS DWG. (TW-4).
12. OFF-NORMAL STATUS DISPLAY SYSTEM IS ABANDONED IN PLACE.

AOV8A,B,C,D AOV87A,B,C,D	VALVE DESCRIPTION	SIZE	NO. OF VALVES	
	VG0604-M-40	2"	8	
HOV107	BY G.E.	26"	4	
HOV108	VG0150-F-4WD	2"	1	
V9,9,11	VG0150-B-4	2"	4	
V23,24	VG0150-B-10	2"	1	
V250,251,252,253	VS5150-A-4E	3/4"	2	
V390,391	VG0150-F-2N	3/4"	4	
V314	VG0150-B-4	3/4"	2	
V3A,B,C,D	VG0604-M-4	6"	1	
V3AA,B,C,D	VG0154-F-4	1"	8	
V3A,B,C,D V4A,B,C,D V5A,B,C,D V6A,B,C,D V7A,B,C,D V8A,B,C,D V9A,B,C,D V3AA,B,C,D V4AA,B,C,D V5AA,B,C,D V6AA,B,C,D V7AA,B,C,D V8AA,B,C,D V9AA,B,C,D V23A,B,C,D,239 V25A,B,C,D,229	VG0154-F-4	3/4"	21	
V23,24	VG0154-B-4	3/4"	18	
V25A,B,C,D,238	VG0154-B-4	3/4"	18	
V66C	VG0169-F-4	3/4"	1	

	ADCA	8AOV	
	B-1	7C-1,2,3	
	B-3	7A-1,2,3	
	B-5	7D-1,2,3	
	B-7	7B-1,2,3	

TABLE

TYPICAL AIR OPERATED VALVE ARRANGEMENT (SEE TABLE BELOW)

NOTE: FOR MCLEAR SUPPLY TO AUTOMATION SEE PID-19K AND PID-19M