

G-191168

PIPING LINE LIST									
LINE NO.	LINE SIZE	SCM	MAT'L	PRSL. PRES.	TEMP.	TRACED SPEC. NO.	LOC'N	SYST.	REMARKS
CS-1A,1B	12"	STD	CS-1	150	185	1-2	11-18	CS	
CS-2A,2B	10"	STD	CS-2	450	185	1-2	11-18	CS	
CS-3A,3B	8"	STD	CS-3	1250	175	1-1	11-18	CS	
CS-4A,4B	8"	100	SEC. MORG.	1250	175	1-1	11-18	CS	
CS-5A,5B	3"	STD	CS-1	150	175	1-7	11-18	CS	
CS-6A,6B	8"	STD	CS-2	450	185	1-2	11-18	CS	
CS-7A,7B	4"	STD	CS-2	450	175	1-2	11-18	CS	
CS-8A,8B	2 1/2"	STD	CS-2	450	175	1-2	11-18	CS	
CS-9A,9B	3"	STD	CS-2	450	185	1-2	11-18	CS	
CS-10A,10B	1"	STD	CS-2	450	175	1-1	11-18	CS	
CS-11A,11B	2 1/2"	STD	CS-2	450	185	1-2	11-18	CS	
CS-12A,12B	1"	STD	CS-2	450	175	1-1	11-18	CS	
CS-13A,13B	4"	STD	CS-2	450	185	1-2	11-18	CS	
CS	2 1/2"	STD	CS-1,2	150	175				
CS	2 1/2"	STD	CS-2	450	175				
CS	2 1/2"	STD	CS-2	450	175				
CST-4	12"	STD	CS-1	150	185	1-6	11-18	CS	
CST-27	12"	STD	CS-1	150	185	1-6	11-18	CS	
CST	2 1/2"	STD	CS-1	150	175	1-6	11-18	CS	

NOTE 9
NOTE 10

LEGEND
▲ - ERFIS COMPUTER DATA SYSTEM

NOTES:
UNLESS OTHERWISE NOTED ALL VALVES, INSTRUMENT NUMBERS AND SPECIFICATIONS TO BE PREFIXED BY SYSTEM NUMBER 14 OR BY OPS CODE CS. FOR EXAMPLE: FOR VALVE V-23 ACTUAL TAGGING SHALL BE CS(14)-23.

1. VALVE DESIGNATION NO. FOR INSTRUMENT - PI-80 ACTUAL TAGGING SHALL BE PI-CS(14)-80. TYPE OF INSTRUMENT SYSTEM DESIGNATION NO. FOR SPECIALTY - ST-3 ACTUAL TAGGING SHALL BE ST-CS(14)-3. TYPE OF SPECIALTY SYSTEM SPECIALTY IDENTIFICATION NO.

2. UNLESS OTHERWISE NOTED ALL BRANCH CONNECTIONS FOR DRAINS, VENTS AND TEST SHALL BE OF SAME MATERIAL & SPECIFICATION AS THE HEADER UP TO AND INCLUDING SECOND SHUT-OFF VALVE.

3. UNLESS OTHERWISE NOTED ALL OPEN DRAINS AND VENTS SHALL BE CS-1,1.7 PIPING.

4. FOR INSTRUMENTS WITHOUT RACK NUMBERS SEE INSTRUMENTATION INSTALLATION DETAILS FOR MONITORING.

5.

6. PIPE MATERIAL FROM VESSEL TO VCS-1A-4B IS SA 312 TYPE. REMAINING CS 4A & 4B PIPE IS SS-6.

7. CAPS NOT REQUIRED FOR SYSTEM INTEGRITY.

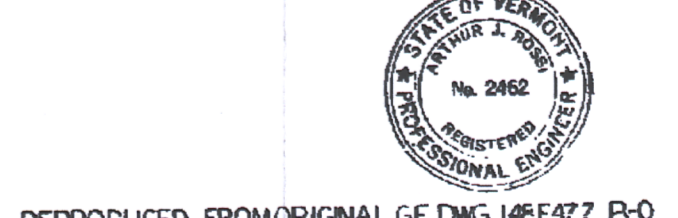
8. INSTRUMENTATION AND TUBING CONFIGURATION NECESSARY TO SUPPORT A CLOSED LOOP OUTSIDE CONTAINMENT HAS BEEN EVALUATED TO 100% AND MEMOS WM 229A, 78 AND WM 229B, 98.

9. 12"-CST-4 IS DESIGNED TO 185" FROM V14-8A TO 12" CS-1A.

10. 12"-CST-27 IS DESIGNED TO 185" FROM V14-8B TO 12" CS-1B.

REFERENCE DRAWINGS:
LIST OF DRAWINGS
A-191134 VALVE & SPECIALTY LIST
B-191137 PIPING & INSTRUMENT SYMBOLS
G-191155 FLOW DIAGRAM RESIDUAL HEAT REMOVAL SYSTEM
G-191172 REACTOR CORE SPRAY PIPING PLAN
G-191205 FLOW DIAGRAM-FEEDWATER, CONDENSATE & AIR EVACUATION SYSTEMS
G-191157 FLOW DIAGRAM-CONDENSATE & DEMIN. WATER TRANSFER SYSTEM
G-191176 DIAGRAM NUCLEAR BOILER VESSEL INSTRUMENTATION
G-191167 FLOW DIAGRAM NUCLEAR BOILER
G-191177 FLOW DIAGRAM RADWASTE SYSTEM
5920-37 GE-AP MASTER PARTS LIST - FCF 194X84A(14)
CS SUCTION STRAINER COMPONENTS (EDCR 77-423) 5920-6693

AS BUILT
DATE 12-12-72



REPRODUCED FROM ORIGINAL GE DWG 148477 P-0

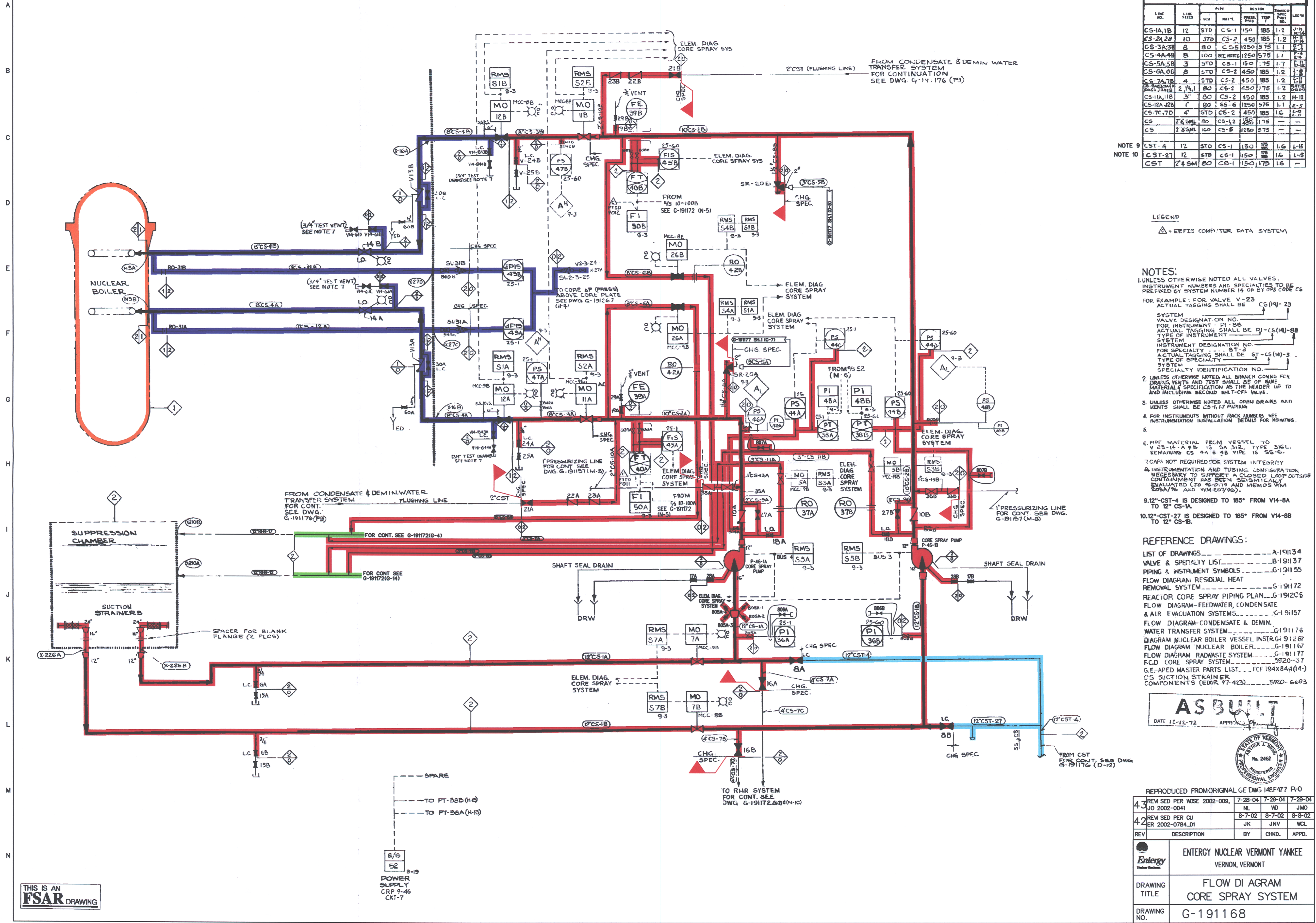
4	REVISED PER WOSE 2002-009, JO 2002-0041	7-28-04	7-28-04	7-28-04
4	REVISED PER CU ER 2002-0784-01	8-7-02	8-7-02	8-8-02

ENTERGY NUCLEAR VERMONT YANKEE VERNON, VERMONT	
DRAWING TITLE	FLOW DIAGRAM CORE SPRAY SYSTEM
DRAWING NO.	G-191168

COMPONENTS SUBJECT TO AMR

- RESIDUAL HEAT REMOVAL SYSTEM AMRM-02
- CORE SPRAY SYSTEM AMRM-03
- REACTOR CORE ISOLATION COOLING SYSTEM AMRM-06
- REACTOR VESSEL AMRM-31
- REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMRM-33

0	11-15-05			
NO.	DATE	DESCRIPTION	BY	ENG/CHK/APP
REVISIONS				
LRA-G-191168-0				
DWG FILE: LRA-G-191168_43.DGN				
PLOT FILE: G-191168_43.TIF				



THIS IS AN FSAR DRAWING

POWER SUPPLY CRP 7-46 CRT-7

Handwritten '25' in a circle