



**LEGEND**

△ - ERFIS COMPUTER DATA SYSTEM

**NOTES:**

1. UNLESS OTHERWISE NOTED ALL VALVES AND INSTRUMENT NUMBERS TO BE PREFIXED BY SYSTEM NUMBER 20.  
FOR EXAMPLE FOR VALVE 74 ACTUAL TAGGING SHALL BE V20-74  
SYSTEM NO -  
VALVE DESIGNATION NO -  
FOR INSTRUMENT PI-95 ACTUAL TAGGING SHALL BE PI-20-95  
TYPE OF INSTRUMENT -  
SYSTEM NO -  
INSTRUMENT DESIGNATION -

2. [16] INDICATES LINE NUMBER UNLESS OTHERWISE NOTED ALL LINE NUMBERS TO BE PREFIXED BY RW(RADWASTE)  
FOR EXAMPLE [16] 16  
ACTUAL TAGGING SHALL BE RW-16  
FOR PIPING LINE LIST SEE DWG G-191272

3. FOR ALL OTHER NOTES SEE EASCO DWG. FF NO. 5920-806 (GE DWG. 730E496 SH. 1)

4. ALL AO VALVES TO FAIL CLOSE (FC) ON ELECTRICAL OR AIR SUPPLY FAILURE.

5. UNLESS OTHERWISE NOTED ALL CARBON STEEL PIPING SHALL BE CS-1 CLASS 160 STANDARD WALL FOR 2" & ABOVE. SCHED. 80 FOR 2" & SMALLER.

6. [11A] [11B] [3A] [3B] ARE CS-1, CLASS 1, 2 PIPING.

7. RELIEF VALVE DISCHARGE TO BE DIRECTED TO ENSURE FLUID DISCHARGE COLLECTS IN SUMP.

8. ALL AOG LINES RATED FOR H2 DETONATION (LINE NUMBERS ENDING IN E) ARE RATED FOR A DESIGN PRESSURE OF 500 PSIG PER PRO-95-164.

9. P-37, 14/0 HAVE BEEN PREVIOUSLY RETIRED IN PLACE BY OTHERS. CONTROL SWITCHES 20A-53A AND 20A-53B HAVE BEEN REMOVED FROM CS-2 BY MM 2000-48. FLOW LEVEL SWITCHES LS111/IL-20-481 HAVE BEEN RETIRED IN PLACE BY MM 2000-48.

**REFERENCE DRAWINGS:**

PIPING AND INSTRUMENT SYMBOLS - G-191165  
TURBINE BUILDING - RISER DIAGRAMS - G-191665  
SH. 1 PLUMBING AND DRAINAGE  
REACTOR BUILDING - RISER DIAGRAMS - G-191671  
AND DETAILS PLUMBING AND DRAINAGE  
RADWASTE BUILDING - RISER DIAGRAMS - G-191673  
AND DETAILS PLUMBING AND DRAINAGE  
FUEL POOL FILTER (DEMM. SYS. SH. 4) - G-191177  
RESIDUAL HEAT REMOVAL SYSTEM - G-191172  
PROCESS RADIATION MON. I.D. - 502C-526  
REACTOR WATER CLEANUP SYSTEM - G-191178  
CONTROL ROD DRIVE HYDRAULIC SYS. - G-191170  
REACTOR BLDG CLOSED C.W. SYS. P-10 - G-191159  
FUEL POOL COOLING & CLEANUP SYS. - G-191173  
CONDENSATE & DEMINERALIZED WATER - G-191176  
TRANSFER SYSTEM.  
H. P. C. I. SYSTEM - G-191169  
R. C. I. C. SYSTEM - G-191174  
F. C. I. NUCLEAR BOILER VESSEL INSTR. - G-191267  
RADWASTE FUNCTIONAL CONTROL 5920-469  
DIAGRAM (4 SHEETS) - 1471  
-1470  
-1473

HWAC - RADWASTE BUILDING - G-191254  
HWAC - HEATING FLOW DIAGRAM FUELER ROOM LAYOUT - G-191254  
HWAC - FLOW DIAGRAM: RADWASTE BLDG. - G-191254  
FLOW DIAGRAM - CONDENSATE DEMIN. - G-191254  
SYSTEM  
FLOW DIAG - SERVICE & INST. AIR SYS. - G-191260  
FLOW DIAG - CIRCULATING WATER & MISC. - G-191260  
SYSTEM  
RADWASTE BUILDING PIPING SHEET 1 - G-191254  
FLOW DIAGRAM MISC. SYS. - G-191254  
FLOW DIAGRAM POTABLE WATER - G-191260

PUMP NO.	VALVE 1A"	VALVE 1B"	LOCATION
P-30-1A	1/4"	(K-2) G-191274 (N-3)	TURBINE
P-27-1A	3/4"	(L-2) G-191177 SH.2 (H-4)	RADWASTE
P-31-1A	3/4"	(G-2)	
P-32-1A	1/4"	(J-1)	(1-3)
P-35-1A	3/4"	(P-3)	(H-4)
P-36-1A	3/4"	(E-4)	(H-5)
P-67-1A	3/4"	(G-3)	(H-6)
P-25-1A	1/4"	V20-882	(O-2) G-191177 SH.2 (H-2)
P-33-1A	3/4"	(O-2) G-191177 SH.2 (G-3)	REACTOR
P-34-1A	3/4"	(H-2)	

**AS BUILT**  
DATE: 12-13-72

REPRODUCED FROM ORIGINAL GE DWG. 730E496

GENERAL ELECTRIC COMPANY  
ATOMIC POWER EQUIPMENT DEPARTMENT

VERMONT NUCLEAR POWER CORPORATION  
VERMONT NUCLEAR POWER STATION  
VERNON, VERMONT

**FLOW DIAGRAM - RADWASTE SYSTEMS**

NO.	DATE	DESCRIPTION	BY	CHK	APP
39	REVISED PER MM 2004-001, JO 2004-0016	2-23-05	NL	WD	RJB
38	REVISED PER CU 2003-001	9-11-03	TB	WD	JGR
			BY	CHKD.	APP'D.

SCALE NONE  
DATE: 12-13-72  
G-191177  
SHEET 1 OF 4

**COMPONENTS SUBJECT TO AMR**

RESIDUAL HEAT REMOVAL SYSTEM AMRM-02

PRIMARY CONTAINMENT PENETRATIONS AMRM-20

NO. 8-15-05

DATE: 8-15-05

DESCRIPTION: LRA-G-191177-SH-01-0

BY: ENG

CHK: CHK

APP: APP

REVISIONS

FILE: LRA-G-191177-SH-01-38.DGN

PAPER FILE: G-191177-SH-01-38.TIF