PURGE CONNECTION

HOSE CONNECTION WITH PLUG TYP.

NG-37A

1"NG-103A-E1N2

1"-NG-104A-E1N2

PSV NG-34A

EXTERNAL NITROGEN MANIFOLD CONNECTION SCRD PLUG & SCRD CAP

REACTOR BUILDING WALL

TK-115A

1 1/2" NG-105A-E1N2

BLIND FLANGE

1"NG-106A-E1N2

L.C.

NG 41

NC-37B

1"NG 104B-E1N2

1"NG-103-E1N2

EXTERNAL NITROGEN MANIFOLD CONNECTION SCRD PLUG & SCRD CAP

REACTOR BUILDING WALL

PSV NG-34B

TK-115B

1 1/2" NG-105B-E1N2

BLIND FLANGE

1"NG-106B-E1N2

L.C.

NC-42

NG-10A-6

NG-10A-1

NG-10B-6

NG-10B-1

FE NG-10A

FE NG-10B

AD SB-16-19-8

SEE DWG. G-191175 (I-12)

SEE DWG. G-191175 (I-13)

SEE DWG. G-191175 (I-11)

FROM SB-16-19-1"P G-191175 (L-3)

FROM SB-16-19-1B G-191175 (L-13)

1"NG-101B-E1N2

1"NG-101A-E1N2

1"NG-102B-E1N2

1"NG-102A-E1N2

SCR'D

NG-19

NG-15

NG-20

NG-18

18"AC-15

20"-AC-13

16-19-22C

X-26

X-205

X-25

X-25B

PRIMARY CONTAINMENT ISOLATION SYSTEM (P.C.I.S)

OUTBOARD ISOLATION VALVES

INBOARD ISOLATION VALVES

P.C.I.S. I/L-IN

AIR DILUTION SYSTEM

VENT SYSTEM

SAMPLING SYSTEM

CONTAINMENT

PT

SEE DWG. G-191169 (B-17)

FROM DRYWELL & TORUS VENT G-191175 (C-1)

AD SB-16-19 8

SEE DWG. G-191169 SH.2 (J-17)

1"HPCI-13

SAI-10

SAI-14

STANDBY GAS TREATMENT G-191238 (H-7)

TO PCAC SEE G-191175-SH-1 (C-2)

1"VG-119-D1

HC VG-22A

MO VG 22A

1"VG-117A-D1

VG-4A-1

SCR'D CAP

VG-17A

HC VG-22B

MO VG-22B

1"VG-117B-D1

VG-4B-1

SCR'D CAP

VG-17B

SCR'D

VG-12A

VG-8A

VG-12B

VG-8B

VG-18

VG-35

1"VG-122-D1

VG-32

1"VG-112-D1

3/4"VG-112-T1

3/4"VG-125-T1

SPEC D1

SPEC T1

3/4"VG-110-T1

VG-78

VG-77

VG-29B

VG-29A

H_2 O_2 ANALYZER SAH-VG-5A SII PANEL (OTHERWISE SAME AS SII PANEL)

H_2 O_2 ANALYZER SAH-VG-5B SII PANEL

CHECK VALVE

EXHAUST

SAMPLE PUMP AND EQUIPMENT SAMPLING

3/4"VG-118-T1

VG-79

3/4"VG-120-T1

VG-80

VG-30B

VG-30A

3/8"VG-124-T1

OUTSIDE REACTOR BLDG

VG-81

VG-37

VG-39

PURGE AIR AND CALIBRATION CONN.

SCR'D CAP

VG-40

VG-43

N.C.

TEST CONN

VG 44

PI-109-38

REACTOR BLDG VENTILATION SYS

VG-42

VG-41

VG-36

3/4"VG-121-T1

3/8"VG-117-T1

VG 38

NOTES:

1.) NOTE DELETED

2) ALL ITEMS ARE SAFETY CLASS 2 WHERE INDICATED

3) ALL ITEMS MARKED SAFETY CLASS 2 ARE TO THE REQUIREMENTS OF ASME B& PV CODE SECTION III SUBSECTION NC EXCEPT C-105 A&B AND PSV-NG-34 A&B

4) ALL ITEMS MARKED SAFETY CLASS 2 OR SAFETY CLASS 3 AND DESIGNATED 'VG' ARE TO THE REQUIREMENTS OF ANSI B31.1

5) THE HYDROGEN ANALYZER SAH-VG-5 IS A UNIT PACKAGE SUPPLIED BY DELPHI IND.- DRAWING NO. 017220

6) FOR CONTAINMENT AIR SYSTEM SEE G-191165

7) CUSTODY OF THE N_2 CAD MANIFOLD IS MAINTAINED BY THE OPERATIONS DEPARTMENT.

THIS IS AN FSAR DRAWING

APPROVED Francis J. Lubasz
REGISTERED PROFESSIONAL ENGINEER, NO. 26972
COMMONWEALTH OF MASSACHUSETTS

REV	DESCRIPTION	BY	CHKD.	APPD.
20	REVISED PER CR 2004-3844	MI	WD	MAH
		5-31-05	6-2-05	6-2-05
19	REVISED PER CU ER 2000-1160	JNV	LD	JRW
		5-3-01	5-4-01	5-10-01

YANKEE ATOMIC ELECTRIC COMPANY
20 TURNPIKE ROAD, WESTBORO, MASSACHUSETTS
NUCLEAR SERVICES DIVISION

VERMONT YANKEE NUCLEAR POWER STATION
VERNON, VERMONT

ENGINEERING FLOW DIAGRAM
CONTAINMENT ATMOSPHERE DILUTION SYSTEM (CAD)

DESIGNED BY / DATE: MI 10/7/76
CHECKED BY / DATE: E.V. 10/8/76
DWG. APPROVAL / DATE: 10/8/76
APPROVAL / DATE: 10/8/76
ORIGINAL ISSUE DATE
ACCOUNT NO. PL 857
DWG. NO. VY-E-75-002
REV. NO. 20

SYSTEM INTENDED FUNCTION BOUNDARY

COMPONENTS SUBJECT TO AMR

PRIMARY CONTAINMENT ATMOSPHERE CONTROL AND ATMOSPHERE DILUTION SYSTEM AMRM-08

NO.	DATE	DESCRIPTION	BY	ENG CHK	APP
0	8-15-05				

REVISIONS

LRA-VY-E-75-002-0

ORIG FILE: LRA-VY-E-2-75-002_20.DGN

PASTER FILE: VY-E-75-002-CALS_20.CAL

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