ISI-20333

ISI-20333

8 7 6 5 4 3 2 1

6"SWN#785 TO DOWNSTREAM OF EXIST. DISCHARGE CANAL

3"-SWN #785

14"-SWN #713

3"-SWN #786

3"-SWN #787

14"-SWN #714

14"-SWN #715

AUTOMATIC STRAINER (TYP.)

SOV 1249 · PCV 1294 · SWN-103-3 · SWN-90-3 · SWN-93 · SWN-102-3 · DPI 1119 · DPC 1133 S · SOV 1248 · PCV 1293 · SWN-103-2 · SWN-90-2 · SWN-92 · SWN-102-2 · DPI 1118 · DPC 1132 S · PCV 1292 · SOV 1247 · SWN-103-1 · SWN-90-1 · SWN-91 · SWN-102-1 · DPI 1117 · DPC 1131 S

PI 1369 · SWN-101-3 1/2" · SWN-89-3 3"VENT (TYP.) · PI 1368 · SWN-101-2 1/2" · SWN-89-2 · PI 1367 · SWN-101-1 1/2" · SWN-89-1

SWN-264-3 · SWN-264-2 · SWN-264-1 · 1/4" · 14" · SWN-88-3 · SWN-88-2 · SWN-88-1

EXIST. DISCHARGE CANAL

BACK-UP SERVICE WATER PUMPS

TC 1162 S · TA 1162 S HI · 1/2" TEST CONN · 24"-SWN #712

16"TEMP. CONN. · SWN-104-1 · SWN-100-3 · SWN-97 · SWN-100-1 · SWN-99 · SWN-100-4 · SWN-96 · SWN-100-2 · SWN-98

24"SWN#408 · 24"-SWN #408 TO NUCLEAR SERVICES (SEE 9321-F-27223)

24"-SWN #409 · 24"-SWN #409 TO NUCLEAR SERVICES (SEE 9321-F-27223)

PT 1191 R · PA 1111A S LO · PA 1111B S HI · PT 1191 · PC 1111A S · PC 1111B S · PCV 1295 (TYP.) · 3/8" · 1" SWN-104-2

PT 1190 R · PA 1112A S LO · PA 1112B S HI · PT 1190 · PC 1112A S · PC 1112B S · PCV 1295 · 3/8"

2" SWN-171

WEST WALL · VALVE PIT · EAST WALL

10"-SWN #1222 · 10"-SWN #1221 · 16"-SWN #1220 · 16"-SWN #1219 · 24"-SWN #409

SWN-6 · SWN-7 · 10" · 10" TO VARIOUS CONVENTIONAL COOLERS (SEE 9321-F-20333,SH.2)

FCV 1111 · SWT-52 DC 2" · 1 1/2" · SWN-59-1 · SWN-59-2 · SWN-59-4 · SWN-59-3 · FCV 1112 · 16" TO VARIOUS CONVENTIONAL PLANT SERVICES (SEE 9321-F-20333,SH.2)

CIRC. WATER PUMP 34,35 & 36(140,000 GPM EA.) PUMP BEARINGS, STUFFING BOX & MOTOR BEARINGS

CIRC. WATER PUMP, 31,32,33 PUMP BEARINGS,STUFFING BOX & MOTOR BEARINGS

SEE NOTE 6 · SEE NOTE 1 · SEE NOTE 2

TO MOTOR BEARING (TYP.) · TO STUFFING BOX (TYP.) · SIGHTGLASS (TYP.) · TO PUMP BEARINGS (TYP.) · CYCLONE SEPARATOR (TYP.)

MW 386 · MW 387 · MW 382 · SWT-264 · SWT-263 · SWT-266 · SWT-265

FROM COND. POLISHING BLDG. 9321-F-20343 SH.2

STRAINER CONTINUOUS 8" BLOWDOWN TO WASTE

FROM 9321-F-70323 SWN 1326 · SWN 1325 · SWN 1324 · SWN 1323 · SWN 1322 · SWN 1321

SOV 1210 · SOV 1209 · SOV 1208 · SOV 1207 · SOV 1206 · SOV 1205

PCV 1210 · PCV 1209 · PCV 1208 · PCV 1207 · PCV 1206 · PCV 1205

DPIC 1116 · DPIC 1115 · DPIC 1114 · DPIC 1113 · DPIC 1112 · DPIC 1111

3/4"DRN. (TYP.) · AUTOMATIC STRAINER (TYP.)

14"-SWN #1086 · 14"-SWN #1085 · 14"-SWN #1084 · 14"-SWN #1083 · 14"-SWN #1082 · 14"-SWN #1081

PI 1275 · PI 1274 · PI 1273 · PI 1191 · PI 1192 · PI 1193

FI 1139 · FI 1140 · FI 1141 · FI 1142 · FI 1143 · FI 1144

SERVICE WATER PUMPS · SERVICE WATER PUMPS

SWT · R-2 · SWT · SWT-368 · 1" DR. · SWT SCW · SCW-2 N.C. · 8" · 1" DRAIN

BACK-UP SERVICE WATER TIE-IN TO SCREEN WASH SYSTEM, DWG. NO.9321-F-20016

LEGEND:

-ELECTRIC TRACING

-SEISMIC CLASSIFICATION

NOTES:

1. HEAT TRACE DOWNSTREAM OF SWN-4 AND SWN-5 HAS BEEN ABANDONED IN PLACE.
2. ALL PIPING ON THIS DRAWING IS SEISMIC CLASS I EXCEPT AS NOTED.
3. (XX) =PENETRATION NUMBER(REF.F.S.A.R.)
4. THIS DWG.SHALL BE USED ONLY FOR DETERMINING THE EXTENT OF THE INSERVICE INSPECTION BOUNDARIES.
5. BOUNDARIES SHOWN TO INCLUDE BOUNDARY VALVES WHERE APPROPRIATE.THE ACTUAL PRESSURE RETAINING I.S.I.BOUNDARIES FOR LEAKAGE AND HYDROSTATIC TESTING EXTEND ONLY TO VALVE INTERNALS THAT COMPRISE THE EFFECTIVE OBTURATOR ASSEMBLY.
6. SPECTACLE FLANGES TO SUPPORT DC 96-3-510 SWS INSTALLATION.

UNCONTROLLED DRAWING

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CAUTION — Extended use of this drawing copy may result in its inaccuracy due to subsequent design changes and drawing updates

ISI LEGEND

- -1- -1- - ISI CLASS I
- -2- -2- - ISI CLASS II
- -3- -3- - ISI CLASS III

C.I.V. - CONTAINMENT ISOLATION VALVE

ISI DRAWING
THIS DRAWING WAS CREATED FROM 9321-F-20333,SH 1

REV NO	DATE	DESCRIPTION	DWN/CHK	DS	DE/DM	PROJ APP.
12	6/30/99	UPDATED TO 9321-F-20333, SH.1, REV.43,44 & 45	VR/			
11	11/18/98	UPDATED TO 9321-F-20333, SH.1, REV.42	VR/NV	JM		REG
10	1/30/98	UPDATED TO 9321-F-20333, SH.1, REV.40 & 41	IS/NV	JM	AYE/-	REG
9	10/22/95	UPDATED TO 9321-F-20333, SH.1, REV.39 & PER ENGINEERING REQUEST	CLG/NV	MSM	RJD/REG	-
8	7/18/95	UPDATED TO 9321-F-20333, SH.1, REV.37 & 38	CV/NV	MSM	RJD/REG	-
7	12/16/94	UPDATED TO 9321-F-20333, SH.1, REV.36.	CV/NV	REG	RJD/AE	-
6	9/23/94	UPDATED TO 9321-F-20333, SH.1, REV.34 & 35.	CV/IW	REG	RJD/AE	-

REVISIONS

DWN / CHK'D	
DES SUPV	
DISCIPLINE ENG	
DISCIPLINE MGR.	
PROJ APPROVAL	
DATE	

INDIAN POINT NO.3 NUCLEAR POWER PLANT

FLOW DIAGRAM SERVICE WATER SYSTEM

NewYorkPower Authority

SCALE: NONE · DWG NO ISI-20333 · REV 12 · SHEET

Docket # 50-286
Accession # 0234020264
Date 1/18/2000 of 1
Regulatory Docket File

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COMMENT= SWS00-ISO, DATE= 5/27/99 TIME=10:10 PLOT= 1, LAST FILE=99147 10:10, SCALE= 1.0000 DRAWID=ISI-20333 ACCESS=NONE, PATH= 1 2