



- REFERENCE DRAWINGS:**
- 9321-F-27363 CHEMICAL & VOLUME CONTROL SYSTEM--SHEET #1
 - 9321-F-27373 CHEMICAL & VOLUME CONTROL SYSTEM--SHEET #2
 - 9321-F-27383 REACTOR COOLANT SYSTEM--SHEET #1
 - 9321-F-27293 SH 2 STEAM GENERATOR BLOWDOWN SYSTEM
 - 9321-F-27513 SH 1 AUXILIARY COOLANT SYSTEM--SHEET #1
 - 9321-F-27193 SH 2 WASTE DISPOSAL SYSTEM--SHEET #2
 - 9321-F-27303 WASTE DISPOSAL SYSTEM--GAS
 - 9321-F-27353 SAFETY INJECTION SYSTEM--SHEET #1
 - 9321-F-27463 ISOLATION VALVE SEAL WATER SYSTEM
 - 9321-F-27243 PRIMARY WATER SYSTEM NUCLEAR STEAM SUPPLY PLANT
 - 9321-C-27413 NUCLEAR LINE SCHEDULE

- REFERENCES:**
1. PROCSS FLOW DIAGRAM DWG. 540F894
 2. DEFINITION OF SYMBOLS E. SPEC. G675176 REV. 2 AND E. SPEC. G675164 REV. 0
 3. INSTALLATION OF INSTRUMENTATION PROC. SPEC. CAP-294367 REV. 1
 4. MATERIAL SPEC. PIPE AND FITTINGS E. SPEC. G569866 REV. 2 AND E. SPEC. G676398 REV. 0

- NOTES:**
1. ALL TUBING IS 3/8" O.D. EXCEPT AS DETAILED.
 2. ALL VALVES INSTALLED WITH FLOW UNDER SEAT EXCEPT VALVE NUMBERS 968, 970A.
 3. 3/4" STD PIPE X 3/8" TUBING INSERT AT 3/4" VALVES.
 4. ADDITIONAL VENTS AND DRAINS MAY BE INSTALLED BASED ON PIPE LAYOUT.
 5. ALL CHECK VALVES ARE "Y" TYPE LIFT CHECK.
 6. DELAY COIL--125 FT. X 3/8" O.D. TUBING X 0.245" I.D. INSIDE CONT. BLOD.
 7. ALL VALVE NO'S ARE PRECEDED BY "SP" EXCEPT AS NOTED.
 8. SAMPLE VESSEL HAS BEEN RETIRED.
 9. DELAY COIL IS 3/8" O.D. TUBING X 0.245" I.D.
 10. FCV-505 IS SELF REGULATING FLOW CONTROLLER (DWG. 1P3V-439-0652).

- LEGEND:**
- FC--FAIL CLOSED
 - SEISMIC CLASSIFICATION
 - T--THROTTLED
 - LS--LOCKED SHUT
 - QUICK DISCONNECT FOR TEST

TO BY-PASS FILTERS
FOR CONT SEE DWG 9321-F-27293 SH 2

9802110115
INFORMATION ONLY

NOTE: ALL PIPING ON THIS DWG. IS SEISMIC CLASS II EXCEPT AS NOTED

THIS IS A COMPUTER AIDED DESIGN DRAWING. A RECORD OF THE REVISIONS OF THIS DRAWING WITH APPROVAL INITIALS/DATE/TIME, IS MAINTAINED IN THE FILES OF THE NEW YORK POWER AUTHORITY'S CONFIGURATION MANAGEMENT & DOCUMENT CONTROL SECTION P.P.O.

REDRAWN FROM DWG. 541F428

NO.	DATE	DESCRIPTION	BY	CHK'D	APP'D
26		AS BUILT PER MOD 96-3-119PS			
25		AS BUILT PER DCR 100100848 & 100028276			
24		AS BUILT PER DCR 100099211.			
23		BUILT DCR 1000975C4.			
22		BUILT DCR 100080023.			
21		AS BUILT PER DCR #100061977.			

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

FLOW DIAGRAM SAMPLING SYSTEM

SCALE: NONE
DWG NO: 9321-F-27453
SHEET

New York Power Authority

TYPE A/ISI/FS
9802110115