



ITEM	QTY	DESCRIPTION
1	2	0-100" PRESSURE GAUGE
2	1	1/2" CHOKE ORIFICE
3	6	0-30" PRESSURE GAUGE
4	5	STOP COCKS
5	1	A.O.P. PRESS SW CLOSE @20" OPEN @85"
6	1	ALARM PRESS SW CLOSE @ 5" OPEN @ 7"
7	7	THERMOCOUPLES
8	1	0-240°F DIAL THERMOMETER WITH CONTACTS FOR ALARM SET @ 150°F
9	1	1/2" CHOKE ORIFICE
10	1	2 WAY SOLENOID VALVE FOR REMOTE TRIP WHEN ENERGIZED
11	1	RELIEF VALVE SET @ 80"
12	1	100" TO 30" FISHER REDUCING VALVE
13	1	0-100" PRESSURE GAUGE
13A	1	0-200" PRESSURE GAUGE
14	1	RELIEF VALVE SET @ 105"
15	4	0-200" PRESSURE GAUGE
16	4	CHECK VALVES @ 1/2" (2", 1T)
17	1	DIFFERENTIAL PRESSURE SWITCH FOR HIGH PRESSURE SET FOR 20PSI DIFFERENTIAL
18	1	AUX. OIL PUMP TUTHILL *5 CEN
19	1	MAIN OIL PUMP MD
20	1	NEEDLE VALVE
21	1	1/2 ROBERTSHAW CONTROL VALVE NORMALLY CLOSED
22	1	AMOT THERMOSTAT VALVE 1/2" BOC-95 HPCI-TCV-1
23	1	1/2" CHOKE ORIFICE
24	2	FLEX HOSE (REF NOTE *D)
25	2	RETURN OIL SIGHT GLASSES
26	2	VIBRATION PICK-UP COILS
27	1	0-600" PRESSURE GAUGE
28	2	1/4" NPT ROOT VALVES WHITEY SS-0NBF4-G
29	1	0-180" PRESSURE GAUGE

- NOTES:**
- FOR OVERSPEED TRIP SEE B-997-X
FLEX HOSE AT OIL PUMP DISCHARGE & STOP VALVE FEEDS.
FLEX CONNECTORS AT GOV. DRAIN, PUMP SUCTION AND STOP VALVE DRAINS.
LETTER P MEANS PIPE
LETTER T MEANS TUBE
SYSTEM NUMBER -
TYPE OF INSTRUMENT -
INSTRUMENT DESIGNATION NO.
 - ALL PIPING AND INSTRUMENTATION ARE SAFETY CLASS 3 EXCEPT AS NOTED.
 - UNLESS OTHERWISE NOTED, ALL INSTRUMENT AND CONTROL VALVE NUMBERS SHALL BE PREFIXED BY SYSTEM NUMBER 23 FOR EXAMPLE:
ACTUAL TAGGING SHALL BE PI-23-1
 - SEE DWG. 5920-1111 FOR ADDITIONAL INFORMATION.

SYSTEM INTENDED FUNCTION BOUNDARY

COMPONENTS SUBJECT TO AMR

HIGH PRESSURE COOLANT INJECTION SYSTEM AMRM-05

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
REVISIONS						
LRA-5920-00870-0						
CWD FILE						
LRA-5920-00870.DGN						
MASTER FILE						
5920-00870-CALS_11.CAL						

ENTERGY NUCLEAR VERMONT YANKEE
VERNON, VERMONT

11	REVISED PER WOSE 2003-0132 WO 03-2443-000	18-14-04	18-14-04	18-28-04
10	REVISED PER WOSE 2002-107 WO 2002-0142	4-03-03	4-03-03	4-11-03
REV	DESCRIPTION	BY	CHKD.	APPD.

Entergy
Nuclear Vermont

DRAWING TITLE: HPCI TURBINE OIL PIPING DIAGRAM

DRAWING NO.: 5920-870