



- NOTES**
1. ALL COMPONENT MARK NUMBERS PREFIXED TO UNLESS OTHERWISE NOTED.
 2. ALL MANUAL VALVES PREFIXED RHR UNLESS OTHERWISE NOTED.
 3. ALL INSTRUMENTATION POWERED FROM STATION BATTERY VIA VITAL AC SYSTEM.
 4. ALL IRT CONNECTIONS ARE PIPING CLASS IC-NB BEGINNING AT THE DOWNSTREAM SIDE OF THE REDUCER TO THE 3/8" IRT CONNECTION.
 5. FOR DETAILS OF VENTS, DRAINS, & MISC. CONN. TO PUMPS, HEAT EXCHANGERS, ETC., SEE RESPECTIVE EQUIPMENT OUTLINE DRAWINGS.
 6. DD - DOUBLE DISK GATE VALVE WITH HOLE DRILLED ON DOWNSTREAM SIDE.
 7. MODIFICATION F1-84-053 REPLACED THE SECTION OF PIPING BETWEEN 10HRI-88 AND THE RECIRCULATION PIPING WITH SA420 WPL6.
 8. PIPE INSIDE TORUS IS CLASS 002 MATERIAL AND SCHEDULE 40.
 9. HOSE ONLY CONNECTED DURING SURVEILLANCE TESTING.

REFERENCE DWGS

1. FLOW DIAGRAM SYMBOLS FM-14A

SYSTEM INTENDED FUNCTION BOUNDARY

COMPONENTS SUBJECT TO AMR

- RESIDUAL HEAT REMOVAL SYSTEM AMM-02
- CORE SPRAY SYSTEM AMM-03
- HIGH PRESSURE COOLANT INJECTION SYSTEM AMM-05
- REACTOR CORE ISOLATION COOLING SYSTEM AMM-06
- FUEL POOL COOLING AND CLEAN-UP SYSTEM AMM-19
- REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMM-33

QA CAT I, M, II, III

NUCLEAR SAFETY RELATED

JAMES A. FITZPATRICK
NUCLEAR POWER PLANT

**FLOW DIAGRAM
RESIDUAL HEAT REMOVAL
SYSTEM 10**

DWN
CHK'D
RESP. ENG.
VERIFIED
APPROVAL
DATE

SCALE NONE
DWG NO FM-20A
SHEET 1 OF 1
REV 70

REF: ISI-FM-20A

REV	DATE	DESCRIPTION	BY	CHK	APP
69	5/4/04	AS BUILT PER DCR-04-026/DRN-04-03459	KMB	PD	-
68	2/1/04	AS BUILT PER MOD NO JD-03-005	KMB	RVB	-
67	3/24/03	AS BUILT PER MOD NO JD-03-005	KMB	JB	-
66	1/1/03	AS BUILT PER MOD NO JD-03-005	KMB	JB	-
65	1/1/03	AS BUILT PER MOD NO JD-03-005	KMB	JB	-
64	1/1/03	AS BUILT PER MOD NO JD-03-005	KMB	JB	-
63	1/1/03	AS BUILT PER MOD NO JD-03-005	KMB	JB	-
62	1/1/03	AS BUILT PER MOD NO JD-03-005	KMB	JB	-
61	1/1/03	AS BUILT PER MOD NO JD-03-005	KMB	JB	-
60	1/1/03	AS BUILT PER MOD NO JD-03-005	KMB	JB	-

NO.	DATE	DESCRIPTION	BY	CHK	APP
0	4-12-06				
1	4-12-06				
2	4-12-06				
3	4-12-06				
4	4-12-06				
5	4-12-06				
6	4-12-06				
7	4-12-06				
8	4-12-06				
9	4-12-06				

LRA-FM-20A-0

LRA-FM-20A-0.DGN

FM-20A-0.CAL