

Figure 5.2-1 Figure DELETED

Figure 5.2-2 Figure DELETED

Figure Deleted

Figure 5.2-3 Reactor Coolant Leak Detection Sensitivity

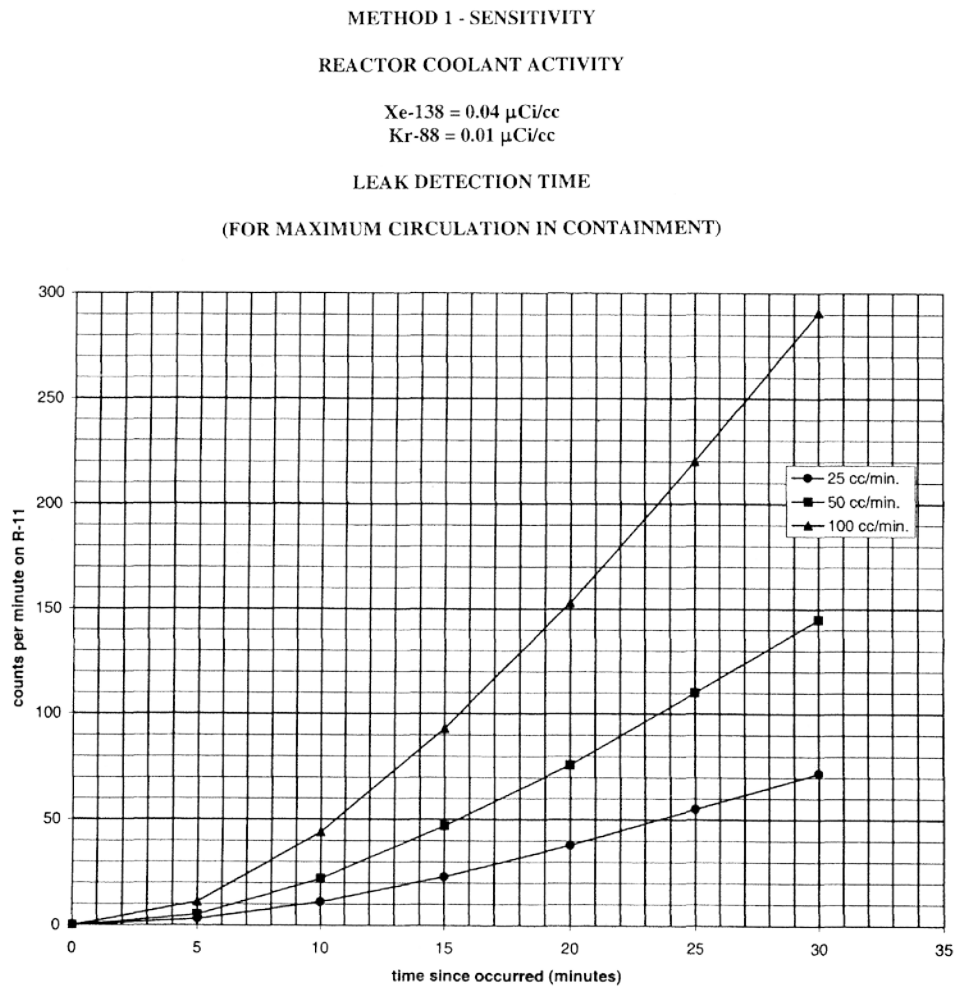
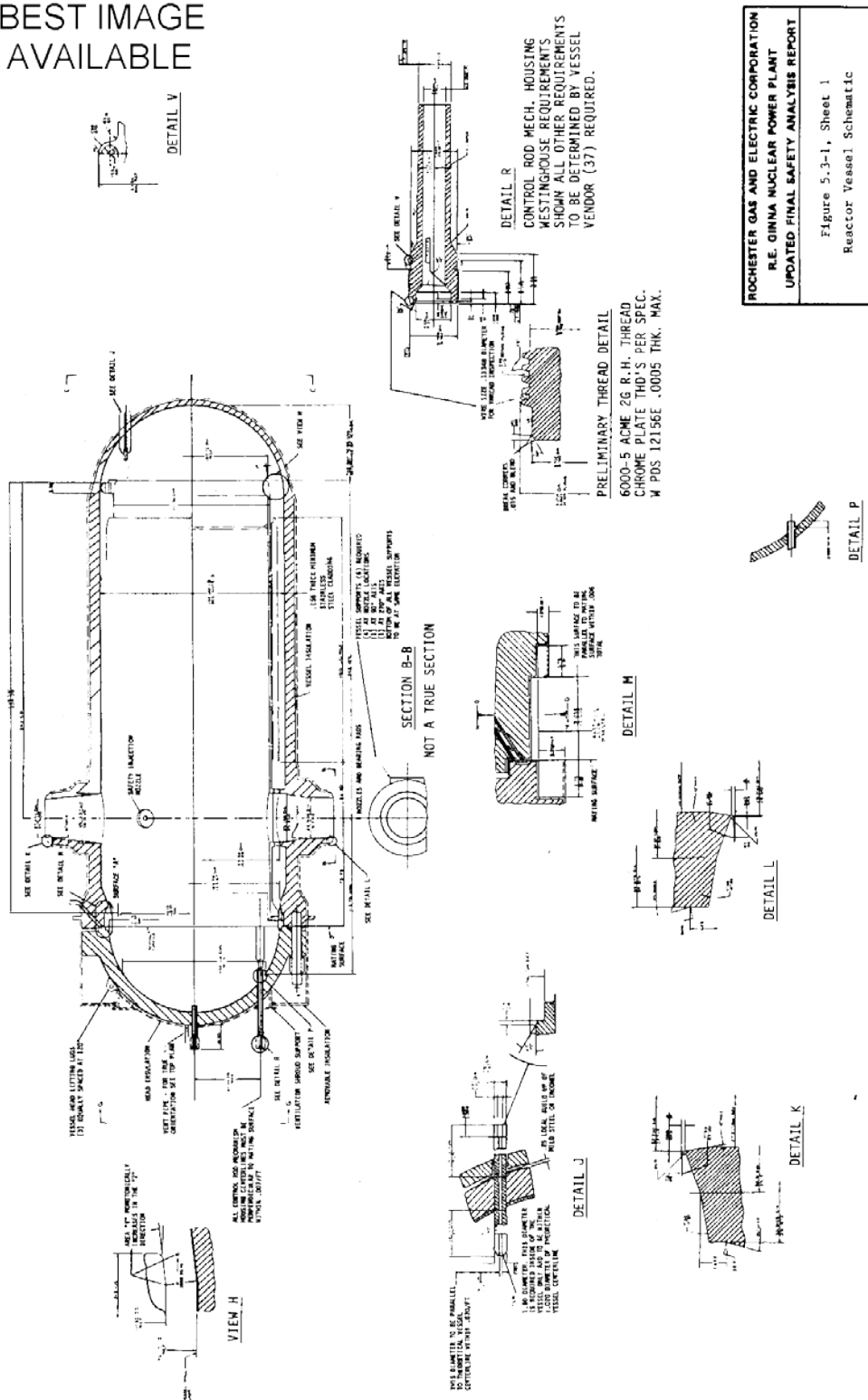


Figure 5.3-1 Reactor Vessel Schematic

BEST IMAGE
AVAILABLE



Sheet 2 of Figure 5.3-1

BEST IMAGE
AVAILABLE

ROCHESTER GAS AND ELECTRIC CORPORATION R.E. GINNA NUCLEAR POWER PLANT UPDATED FINAL SAFETY ANALYSIS REPORT Figure 5.3-1, Sheet 2 Reactor Vessel Schematic

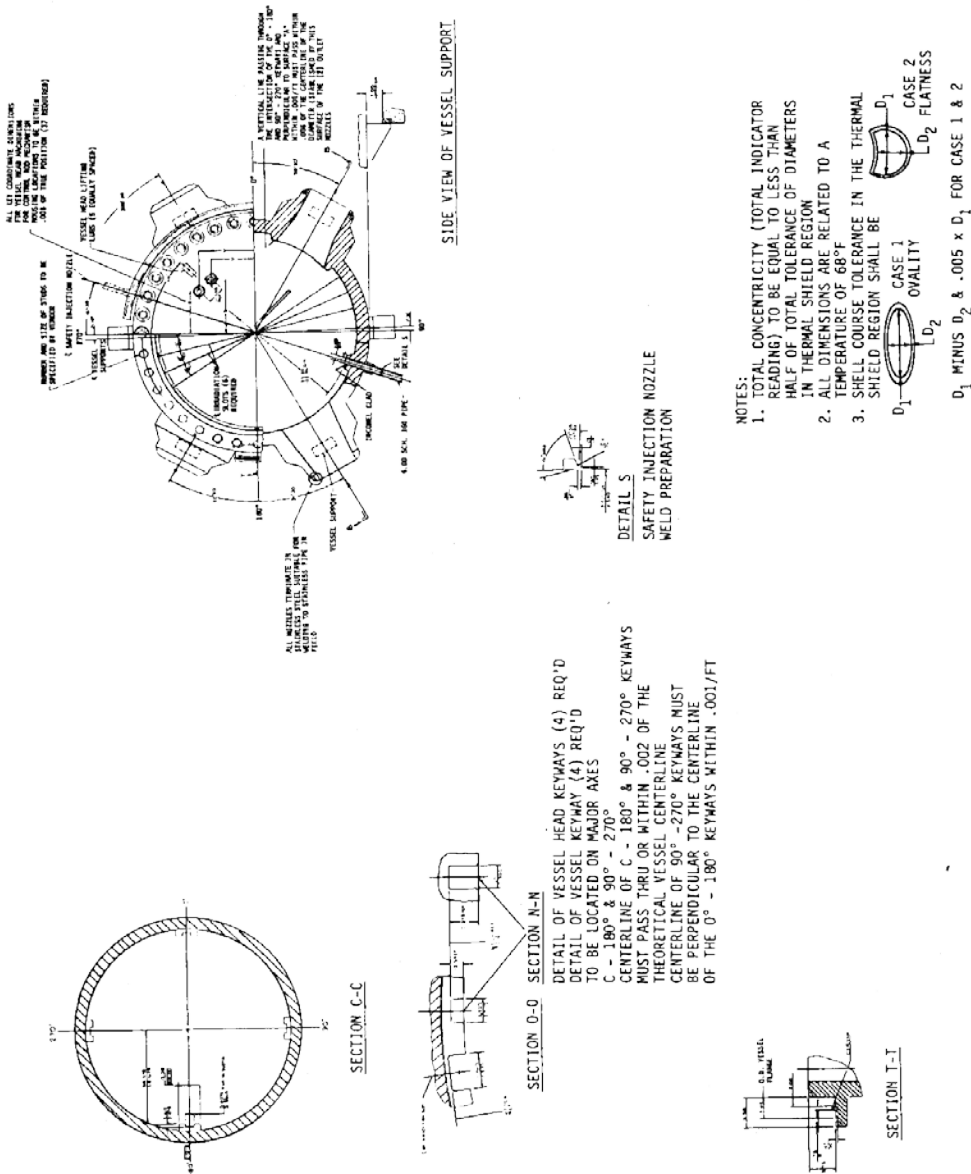
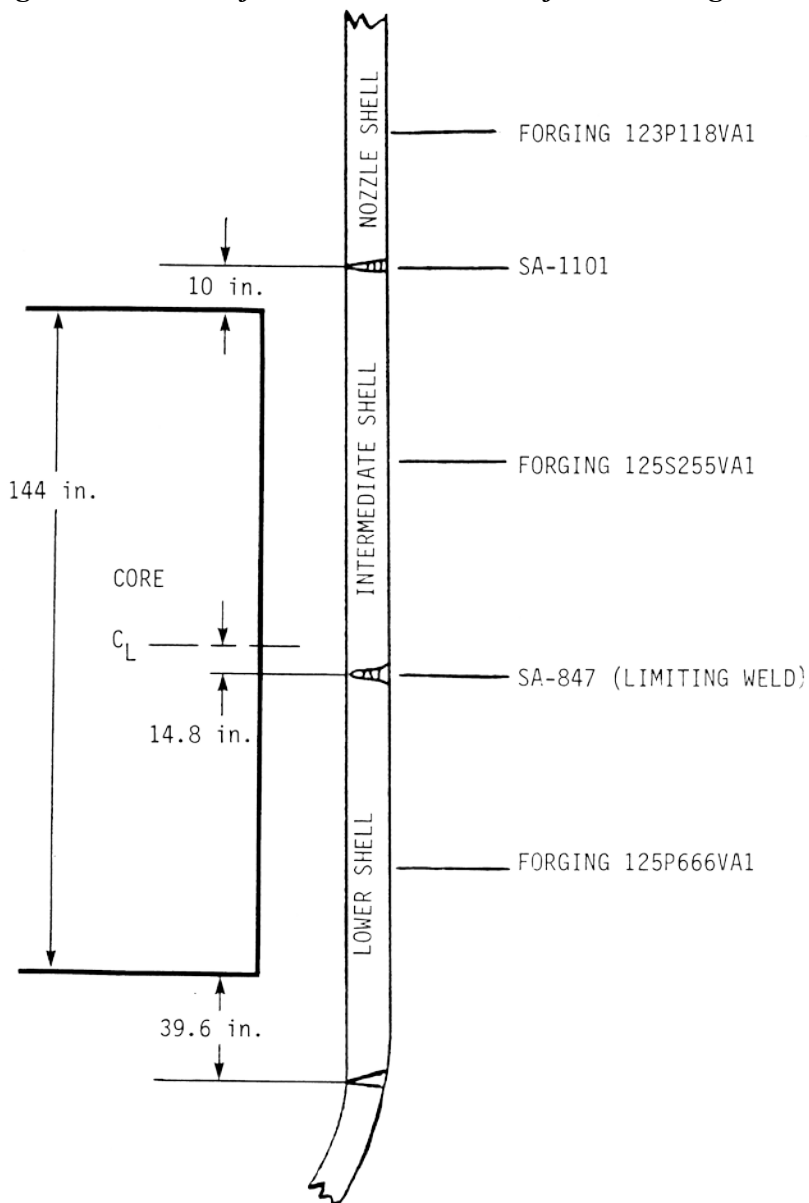


Figure 5.3-2 Identification and Location of Beltline Region Material



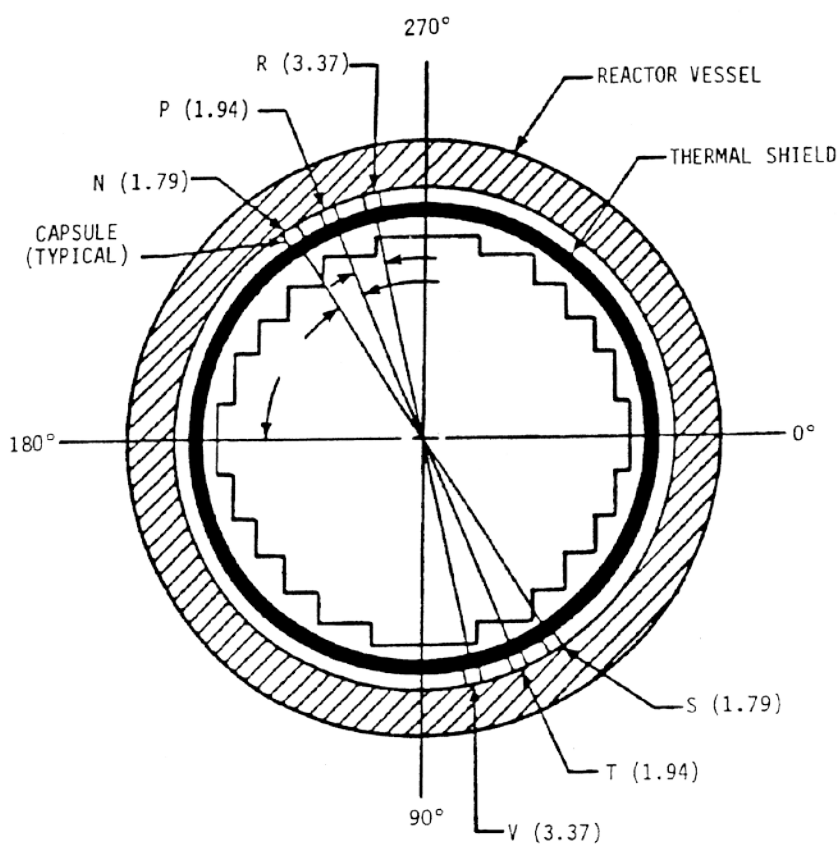
ROCHESTER GAS AND ELECTRIC CORPORATION
R. E. GINNA NUCLEAR POWER PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT

Figure 5.3-2

Identification and Location of
Beltline Region Material

REV 7 12/91

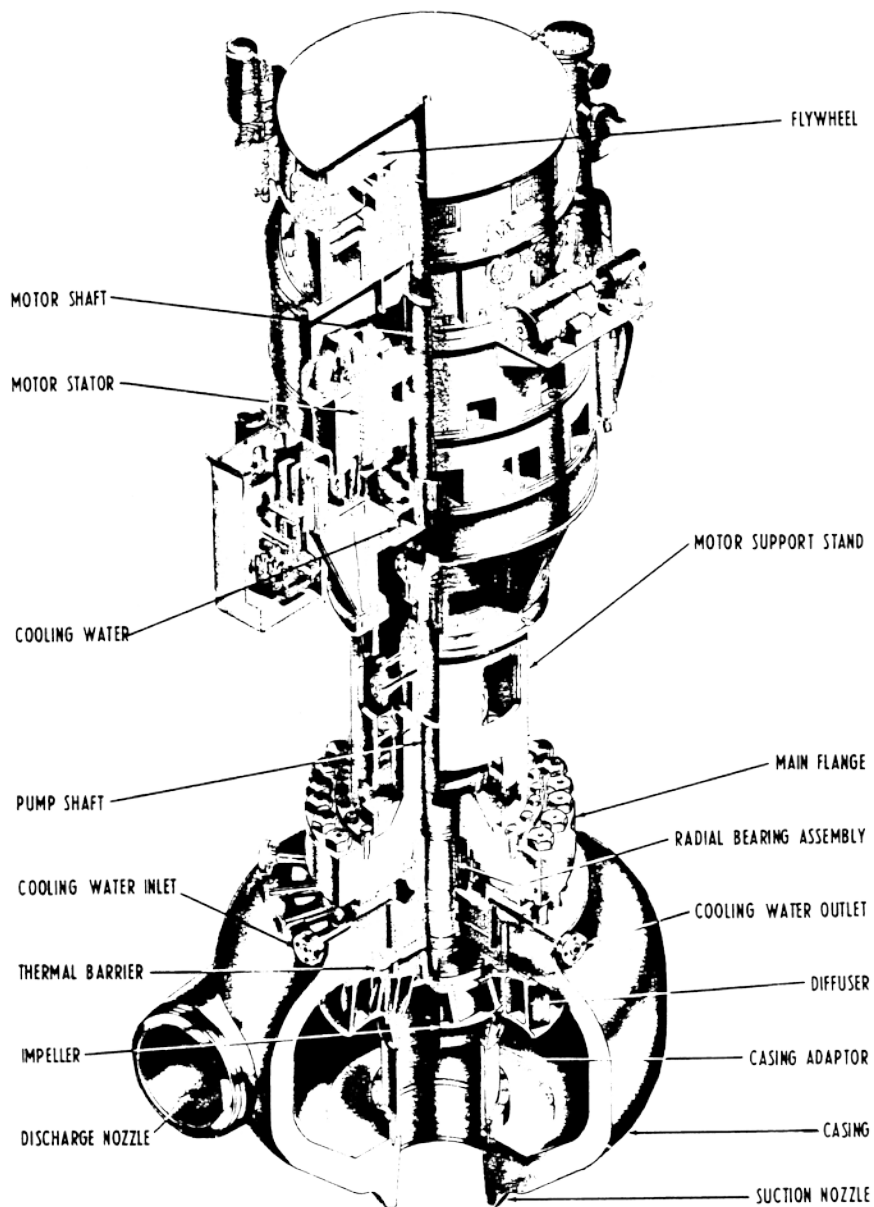
Figure 5.3-3 Arrangement of Surveillance Capsules in the Reactor Vessel



NOTES:

1. Lead Factors for the capsules are shown in parentheses.
2. In chronological order, capsules V, R, T, S, and N were removed. Ref. Sections 5.3.3.2 and 5.3.3.3.

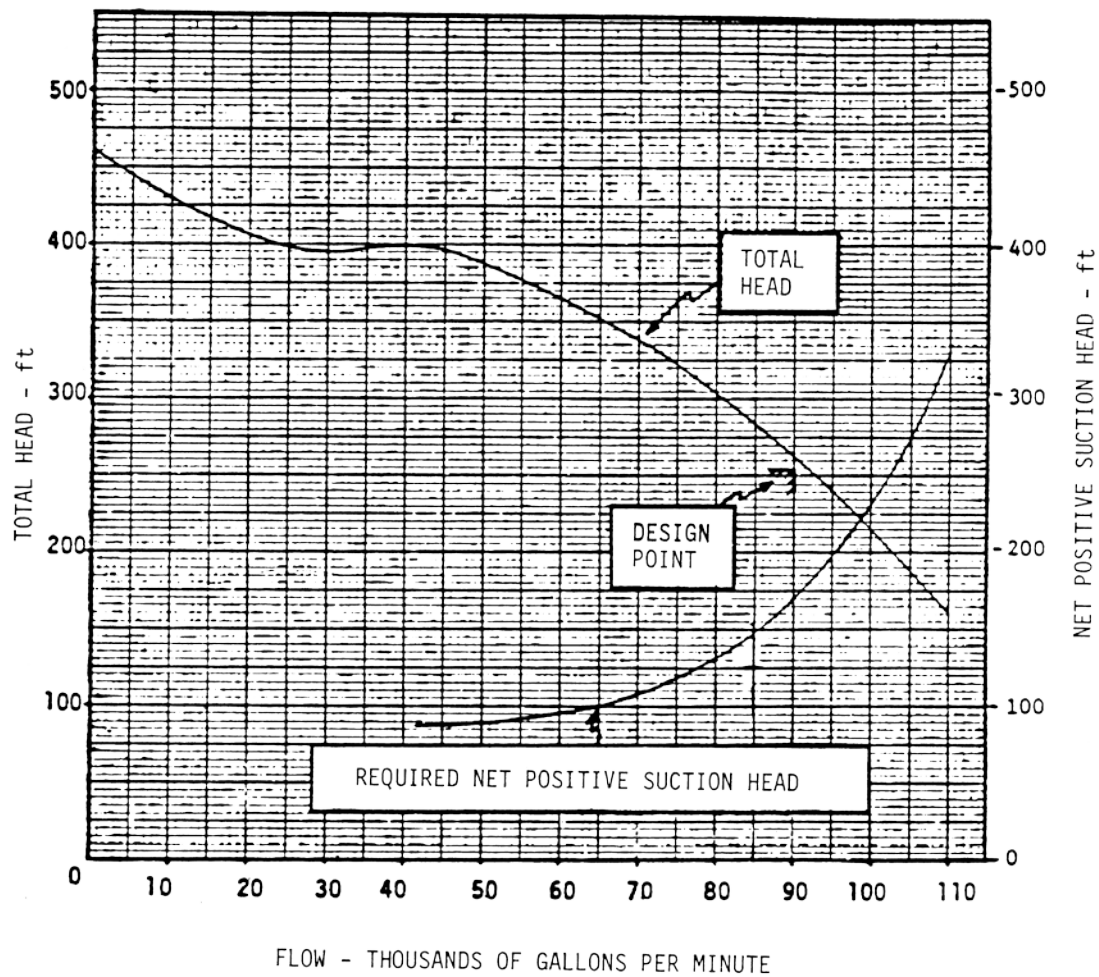
Figure 5.4-1 Reactor Coolant Pump



ROCHESTER GAS AND ELECTRIC CORPORATION
R.E. GINNA NUCLEAR POWER PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT

Figure 5.4-1
Reactor Coolant Pump

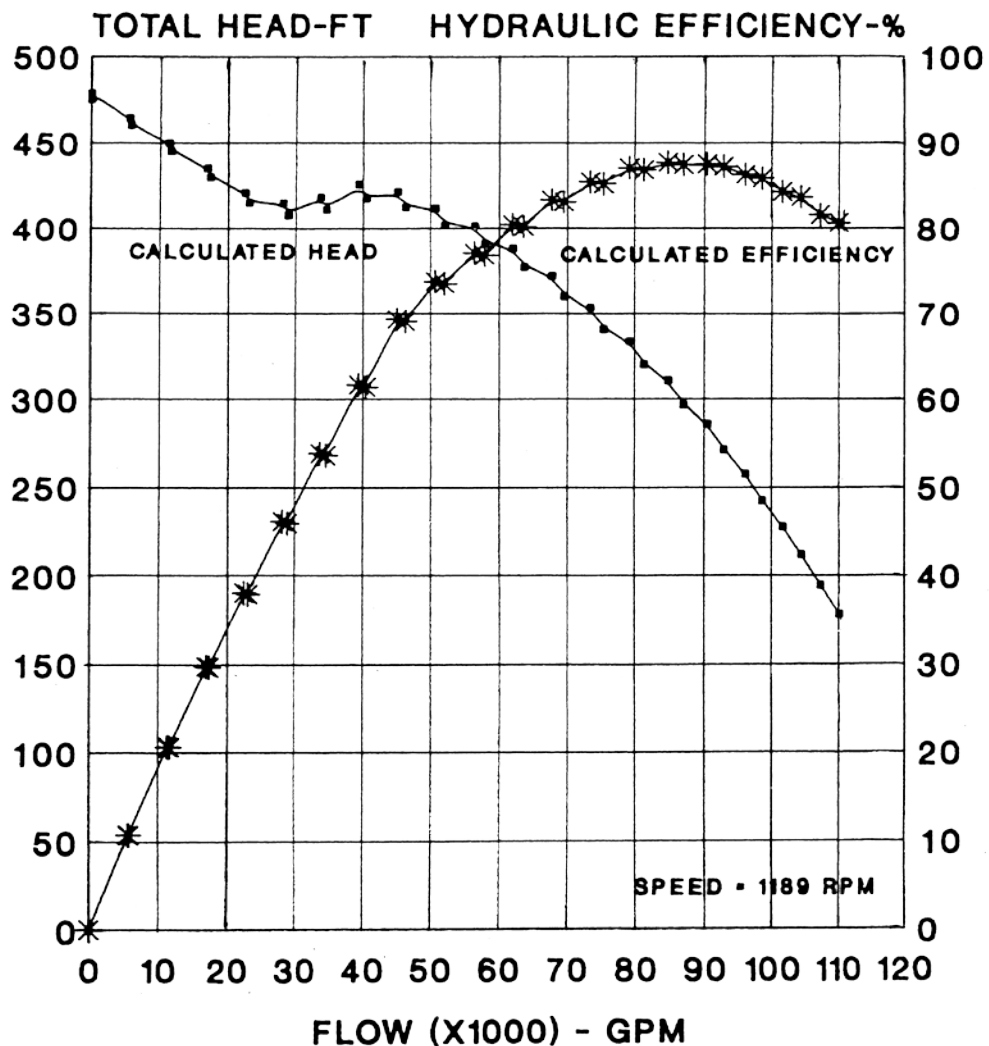
Figure 5.4-2 Reactor Coolant Pump Estimated Performance Characteristics



**ROCHESTER GAS AND ELECTRIC CORPORATION
R.E. GINNA NUCLEAR POWER PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT**

Figure 5.4-2
Reactor Coolant Pump
Estimated Performance Characteristics

Figure 5.4-2a Reactor Coolant Pump Composite Curve, Calculated Hot Performance, Total Head and Hydraulic Efficiency Versus Flow



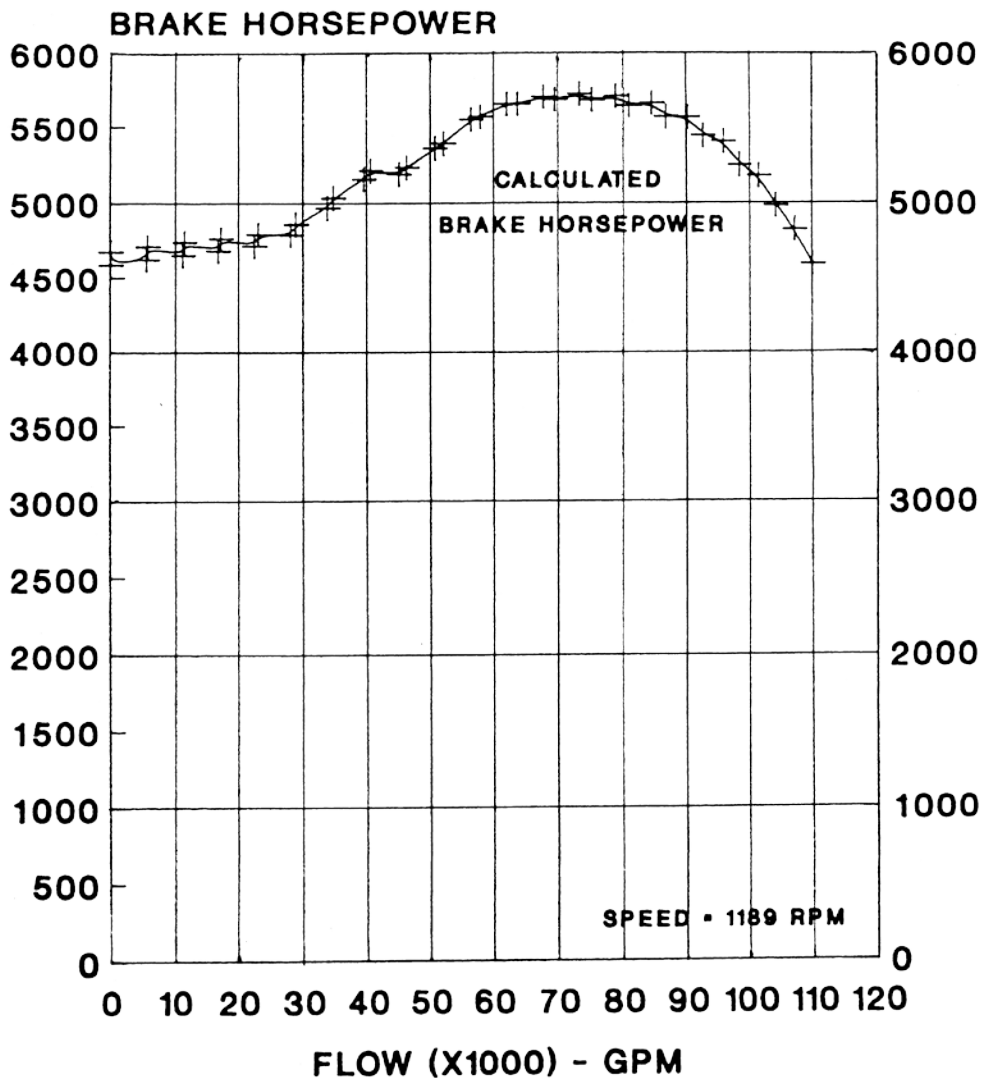
IMP. S/N 1619/340
Q_{design} = 90000 GPM
H_{design} = 252 FT

ROCHESTER GAS AND ELECTRIC CORPORATION
R.E. GINNA NUCLEAR POWER PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT

Figure 5.4-2a
Reactor Coolant Pump Composite Curve,
Calculated Hot Performance, Total Head
and Hydraulic Efficiency Versus Flow

REV. 13-1 7/96

Figure 5.4-2b Reactor Coolant Pump Composite Curve, Calculated Hot Performance, Brake Horsepower Versus Flow



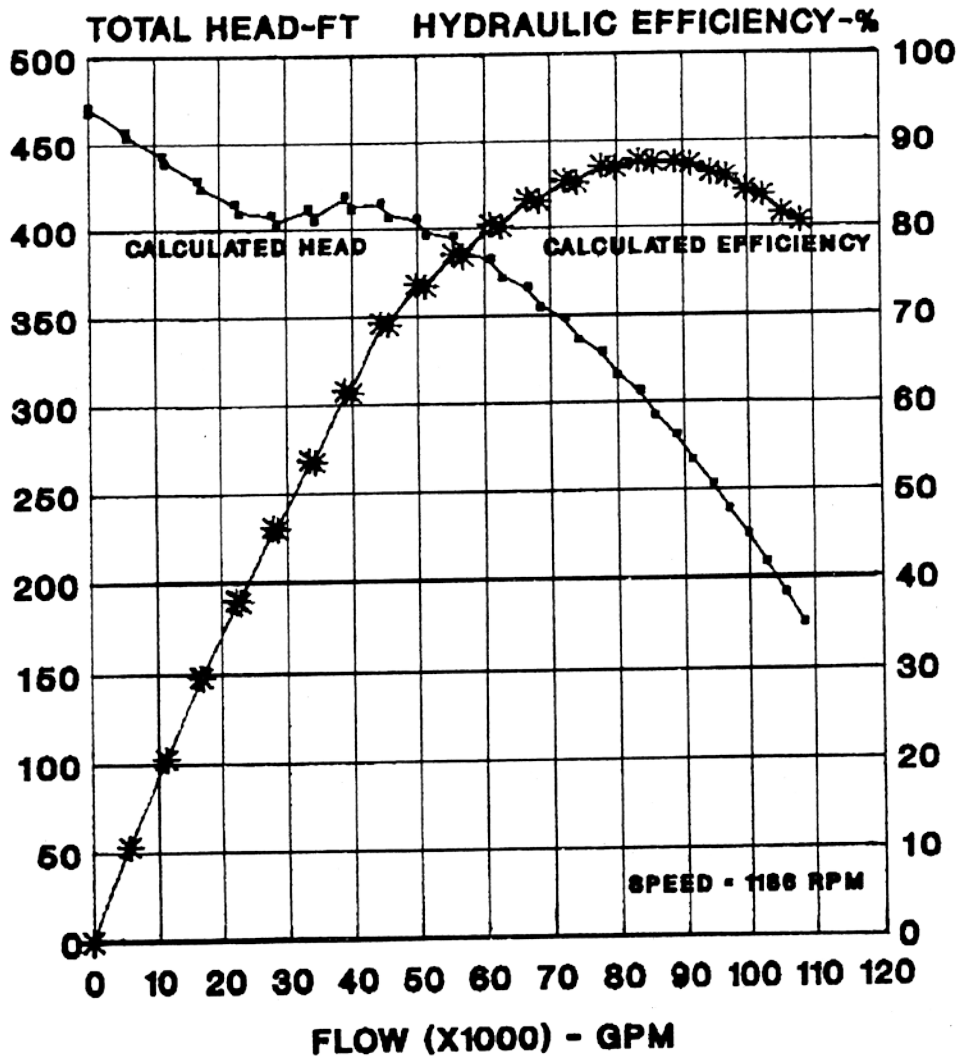
IMP. S/N 1619/340
Qdesign = 90000 GPM

ROCHESTER GAS AND ELECTRIC CORPORATION
R.E. GINNA NUCLEAR POWER PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT

Figure 5.4-2b
Reactor Coolant Pump Composite Curve,
Calculated Hot Performance, Break
Horsepower Versus Flow

REV. 13-1 7/96

Figure 5.4-2c Reactor Coolant Pump Composite Curve, Calculated Cold Performance, Total Head and Hydraulic Efficiency Versus Flow



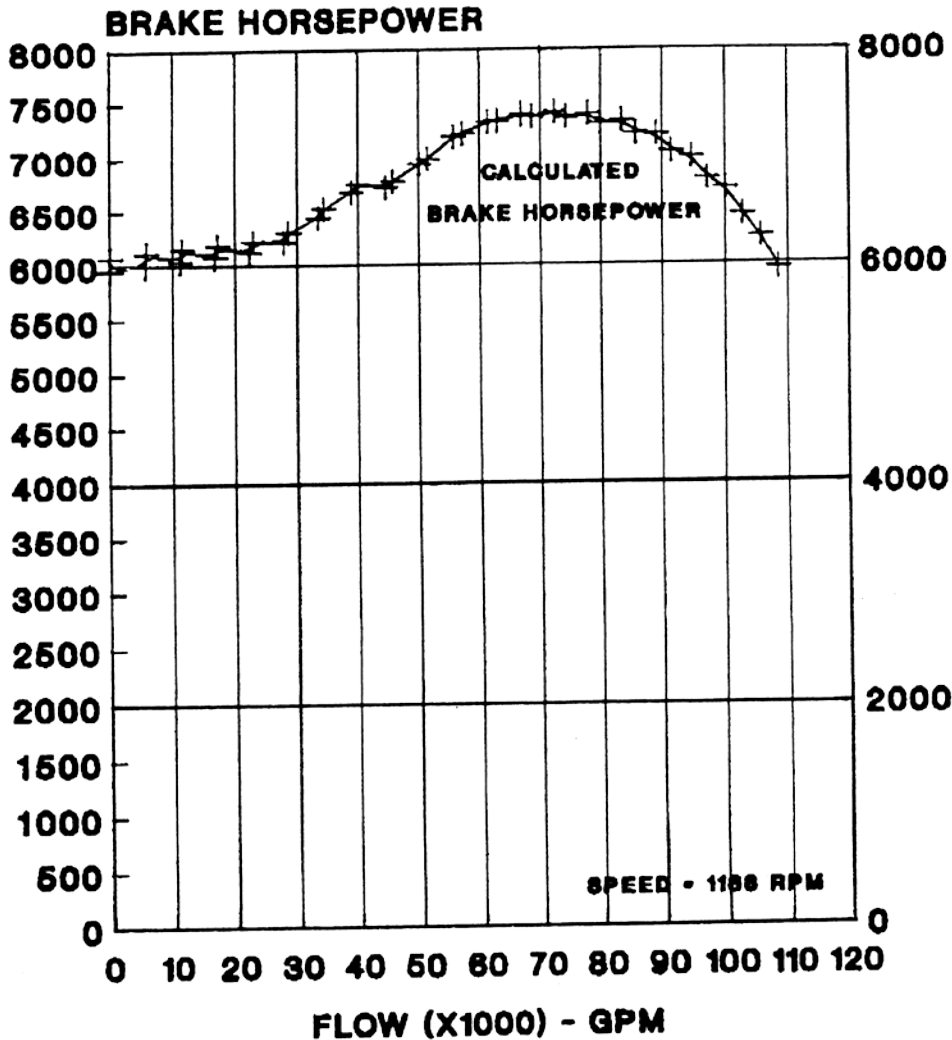
IMP. S/N 1619/340
Qdesign = 90000 GPM

ROCHESTER GAS AND ELECTRIC CORPORATION
R.E. GINNA NUCLEAR POWER PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT

Figure 5.4-2c
Reactor Coolant Pump Composite Curve,
Calculated Cold Performance, Total
Head and Hydraulic Efficiency Versus
Flow

REV. 13-1 7/96

Figure 5.4-2d Reactor Coolant Pump Composite Curve, Calculated Cold Performance, Brake Horsepower Versus Flow



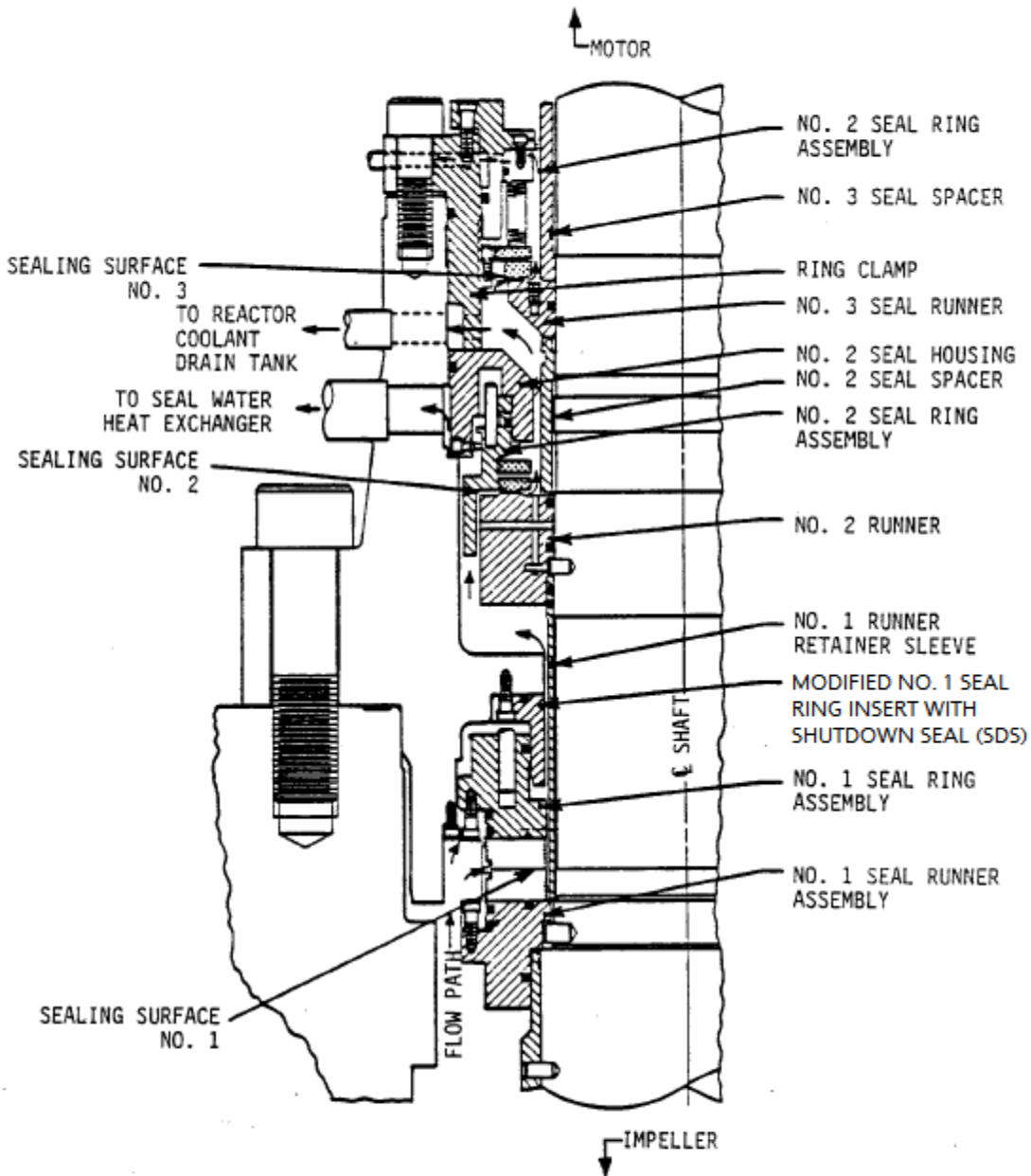
IMP. S/N 1619/340
Qdesign = 90000 GPM

ROCHESTER GAS AND ELECTRIC CORPORATION
R.E. GINNA NUCLEAR POWER PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT

Figure 5.4-2d
Reactor Coolant Pump Composite Curve,
Calculated Cold Performance, Brake
Horsepower Versus Flow

REV. 13-1 7/96

Figure 5.4-3 Reactor Coolant Pressure Shaft Seal Arrangement



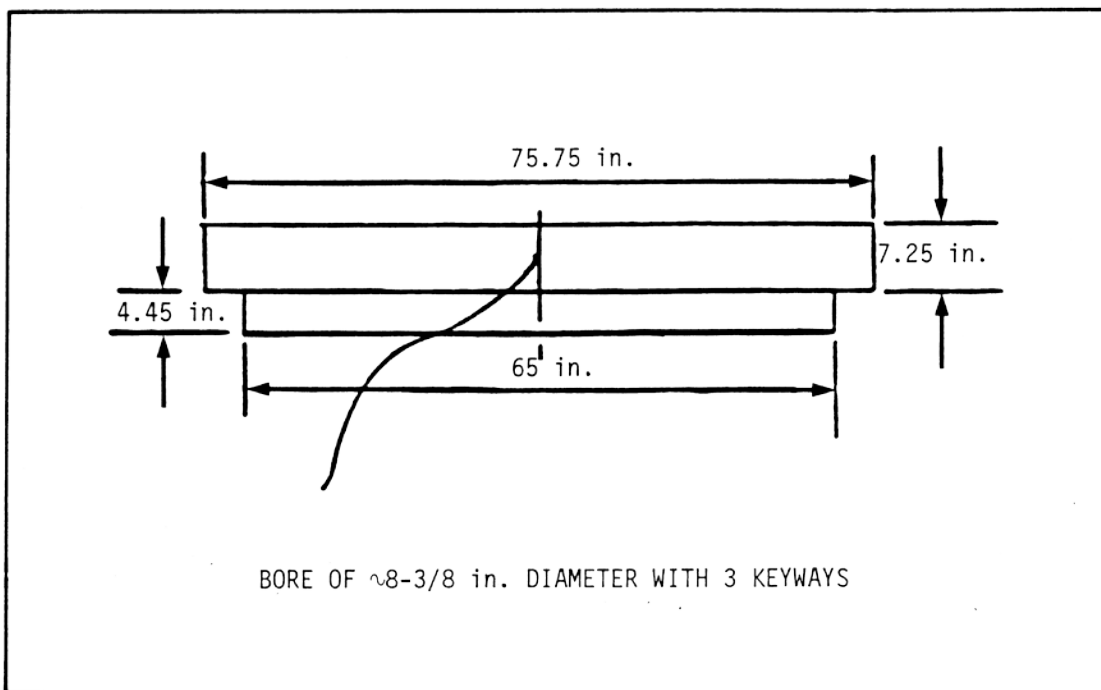
PARAMETERS		
SEAL	INLET PRESS (psia)	FLOW RATE
NO. 1	~2250	~3 gpm
NO. 2	~50	~3 gph
NO. 3	~18	~100 cm ³ /hr

ROCHESTER GAS AND ELECTRIC CORPORATION
R.E. GINNA NUCLEAR POWER PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT

Figure 5.4-3
Reactor Coolant Pressure Shaft Seal Arrangement

REV 3 4/19

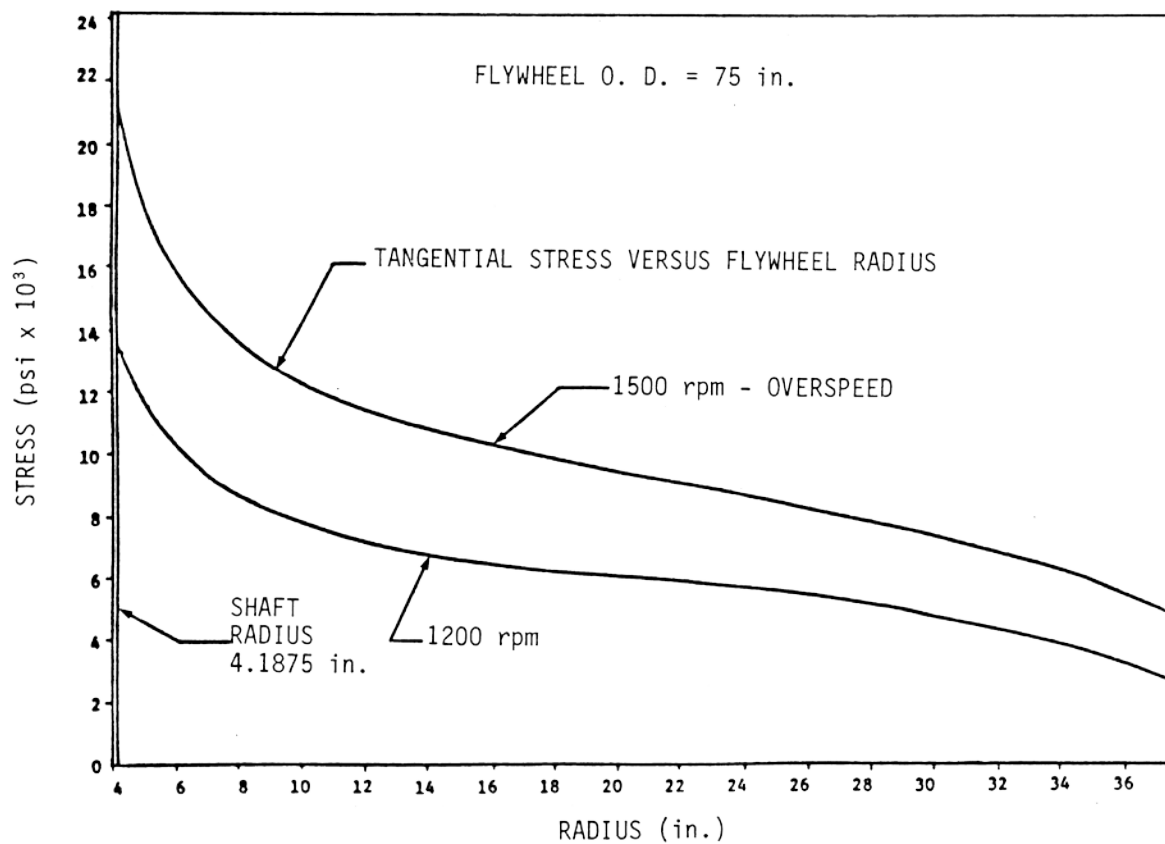
Figure 5.4-4 Reactor Coolant Pump Flywheel



ROCHESTER GAS AND ELECTRIC CORPORATION
R.E. GINNA NUCLEAR POWER PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT

Figure 5.4-4
Reactor Coolant Pump Flywheel

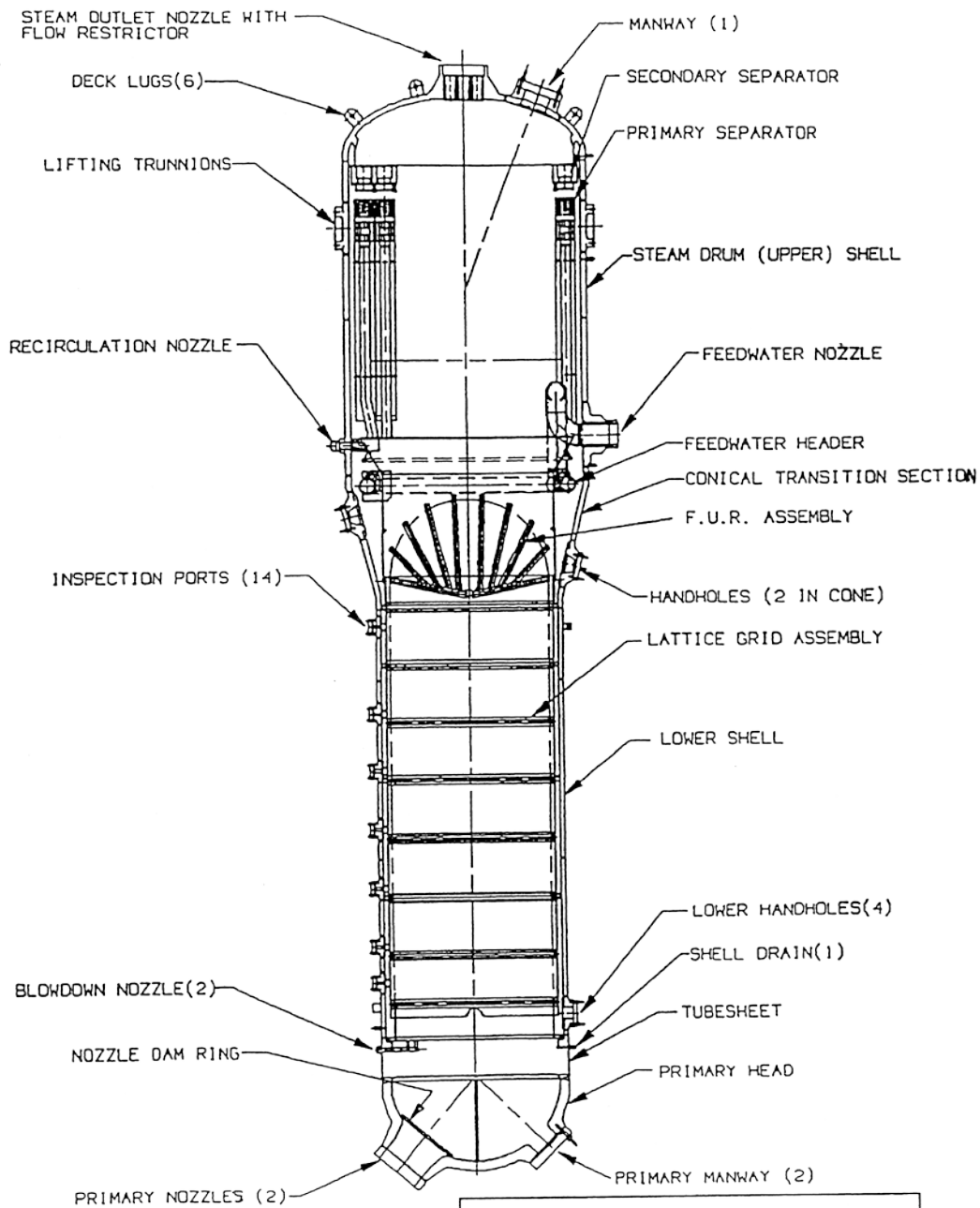
Figure 5.4-5 Reactor Coolant Pump Flywheel Primary Stress at Operating Speed



ROCHESTER GAS AND ELECTRIC CORPORATION
R.E. GINNA NUCLEAR POWER PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT

Figure 5.4-5
Reactor Coolant Pump Flywheel
Primary Stress at Operating Speed

Figure 5.4-6 Replacement Steam Generator



ROCHESTER GAS AND ELECTRIC CORPORATION
R.E. GINNA NUCLEAR POWER PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT

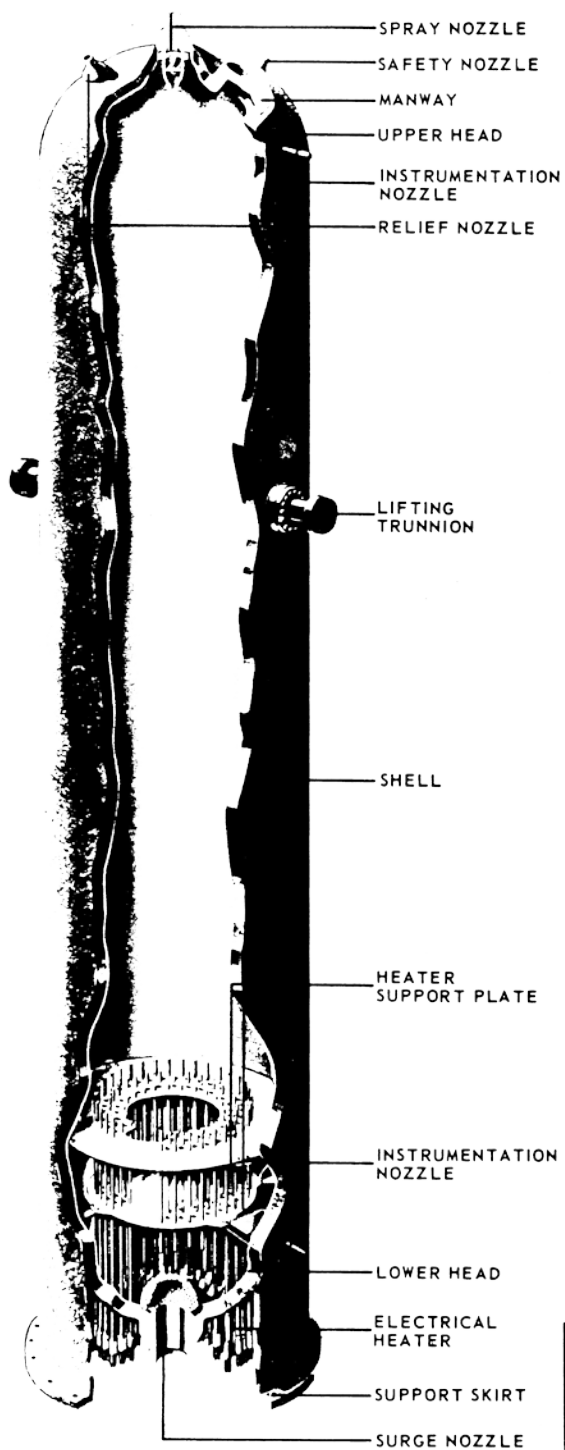
Figure 5.4-6
Replacement Steam Generator

REV. 13-1 7/96

Figure 5.4-7 Figure DELETED

Figure Deleted

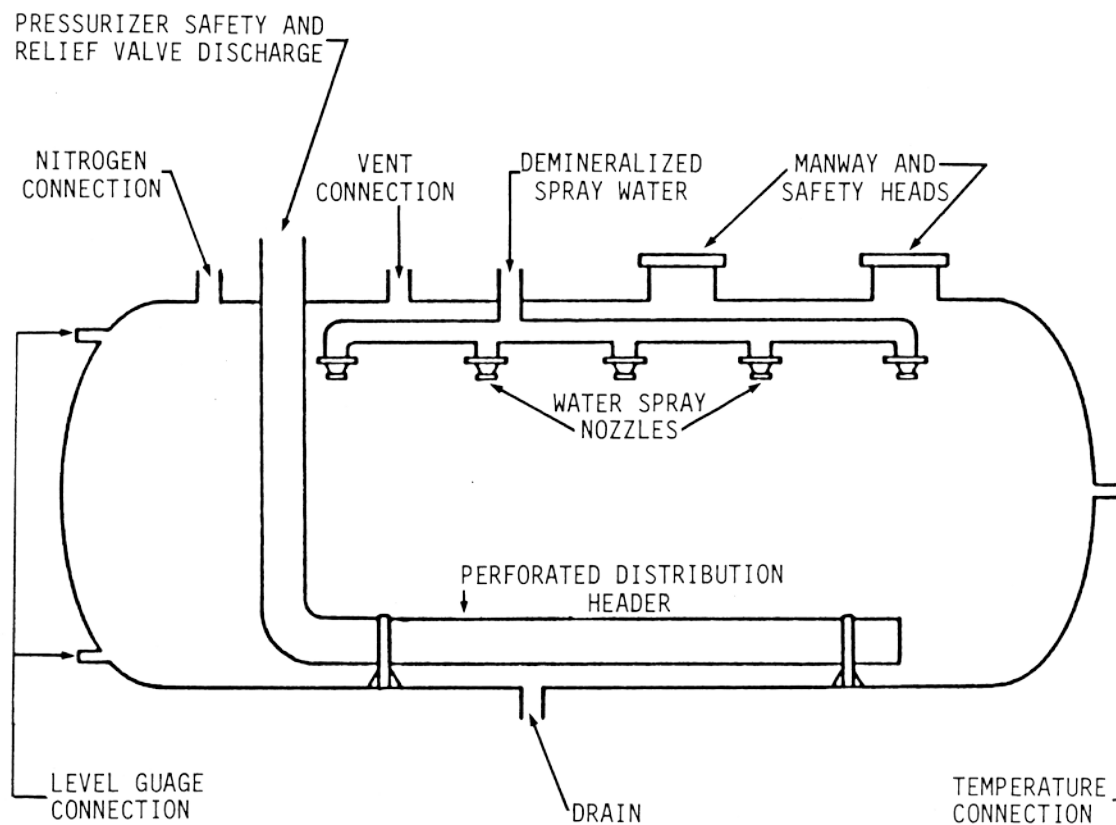
Figure 5.4-8 Pressurizer



ROCHESTER GAS AND ELECTRIC CORPORATION
R.E. GINNA NUCLEAR POWER PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT

Figure 5.4-8
Pressurizer

Figure 5.4-9 Pressurizer Relief Tank



ROCHESTER GAS AND ELECTRIC CORPORATION
R.E. GINNA NUCLEAR POWER PLANT
UPDATED FINAL SAFETY ANALYSIS REPORT

Figure 5.4-9
Pressurizer Relief Tank