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UNION ELECTRIC

Donald F. Schnell
Senior Vice President
Nuclear

August 27, 1992

U.S. Nuclear Regulatory Commission
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Gentlemen: ULNRC-2689

DOCKET NUMBER 50-483
CALLAWAY PLANT
FINAL SAFETY ANALYSIS REPORT REVISION OL-6
Reference: ULNRC-2654, dated June 17, 1992

Attached is a corrected copy of Table 6.3-1 sheets 1/2 that was transmitted with Revision OL-6 by the referenced letter. The "required NPSH at maximum flow and available NPSH" for the centrifugal charging pumps were incorrect in the Revision OL-6 submittal.

Please insert the corrected Table into your copies of the FSAR and if you have any questions, please contact us.

Very truly yours,

Donald F. Schnell

Donald F. Schnell

040071

JMC/kea

Attachment

A001
1/1

STATE OF MISSOURI)
) S S
CITY OF ST. LOUIS)

Donald F. Schnell, of lawful age, being first duly sworn upon oath says that he is Senior Vice President-Nuclear and an officer of Union Electric Company; that he has read the foregoing document and knows the content thereof; that he has executed the same for and on behalf of said company with full power and authority to do so; and that the facts therein stated are true and correct to the best of his knowledge, information and belief.

By Donald F. Schnell
Donald F. Schnell
Senior Vice President
Nuclear

SUBSCRIBED and sworn to before me this 27th day of August, 1992.

Barbara J. Pfaff

BARBARA J. PFAFF
NOTARY PUBLIC, STATE OF MISSOURI
MY COMMISSION EXPIRES APRIL 22, 1993
ST. LOUIS COUNTY

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TABLE 6.3-1 (Sheet 2)

Safety Injection Pumps	
Number	2
Design pressure, psig	1,750
Design temperature, F	300
Design flow rate, gpm	425
Design head, ft	2,680
Maximum flow rate, gpm	
Injection phase	675[a]
Recirculation phase	691[a]
Head at maximum flow rate, ft	1,650
Discharge head at shutoff, ft	3,645
Required NPSH at max flow, ft	17
Available NPSH, ft	45.9
Design code	ASME III, Class 2
Seismic design	Category I
Driver:	
Type	Electric motor
Horsepower, hp	450
Rpm	3,600
Power	4,160 V, 60 Hz, 3-phase, Class IE
Start time	≤5 sec
Design code	NEMA
Seismic design	Category I
Residual Heat Removal Pumps	
Number	2
Design pressure, psig	600
Design temperature, F	400
Design flow, gpm	3,800
Design head, ft	350
NPSH required at 4,800 gpm, ft	21
Available NPSH at 4,800 gpm, ft	21.5
Design code	ASME III, Class 2
Seismic design	Category I
Driver:	
Type	Electric motor
Horsepower, hp	500
Rpm	1,800
Power	4,160 V, 60 Hz, 3-phase, Class IE
Start time	≤5 sec
Design code	NEMA
Seismic design	Category I
Residual Heat Exchangers	
(See Section 5.4.7 for design parameters)	
Refueling Water Storage Tank	
Quantity	1
Maximum volume (to overflow), gal	419,000
Normal capacity, gal	407,000

(a) Includes miniflow (30 gpm)

TABLE 6.3-1

EMERGENCY CORE COOLING SYSTEM COMPONENT PARAMETERS

Accumulators	
Number	4
Design pressure, psig	700
Design temperature, F	300
Operating temperature, F	60 to 120
Normal operating pressure, psig	602 to 648
Total volume, ft^3 (each)	1350
Normal operating water volume, ft^3 (each)	850
Volume N_2 gas, ft^3 (each)	500
Boric acid concentration, ppm boron (nominal)	2300-2500
Relief valve setpoint, psig	700
Seismic	Category I
Design code	ASME III, Class 2
Material	Stainless steel
Centrifugal Charging Pumps	
Number	2
Design pressure, psig	2,800
Design temperature, F	300
Design flow[(a)], gpm	150
Design head, ft	5,800
Maximum flow, gpm	
Injection phase	550[(b)]
Recirculation phase	567[(b)]
Head at maximum flow, ft	1,400
Discharge head at shutoff, ft	6,200
Required NPSH at maximum flow, ft	33.8
Available NPSH, ft	49
Design code	ASME III, Class 2
Seismic design	Category I
Driver:	
Type	Electric motor
Horsepower, hp	600
Rpm	1,800
Power	4,160 V, 60 Hz, 3-phase, Class IE
Start time	≤5 sec
Design code	NEMA
Seismic design	Category I

(a) Includes miniflow
(b) No miniflow