



Entergy Operations, Inc.
P.O. Box 756
Port Gibson, MS 39150
Tel 601 437 6470

December 15, 1995

M. J. Meisner
Director
Nuclear Safety & Regulatory Affairs

U.S. Nuclear Regulatory Commission
Mail Station P1-137
Washington, D.C. 20555

ATTENTION: Document Control Desk

SUBJECT: Grand Gulf Nuclear Station
Docket No. 50-416
License No. NPF-29
Drywell Leak Rate Testing Requirements
Proposed Amendment to the Operating License

REFERENCE: GNRO-95/00128 and RBG-42193, Drywell Leak Rate Testing
Requirements Proposed Amendment to the Operating License, dated
November 20, 1995

GNRO-95/0138

Gentlemen:

Entergy Operations, Inc. is submitting by this letter additional information concerning a proposed amendment to the Grand Gulf Nuclear Station (GGNS) Operating License. This letter provides additional information concerning this submittal and a commitment to qualitatively assess drywell leaktightness once per operating cycle as discussed with members of the NRC Staff.

The information in this letter does not affect Entergy Operations's previous conclusion that the proposed amendment involves no significant hazards considerations.

Yours truly,

MJM/BSF

attachments: 1. Alternate Drywell Leak Rate Testing (1 page)
2. Drywell Isolation Valves (4 pages)

cc: Mr. J. Tedrow (w/a)
Mr. H. W. Keiser (w/a)
Mr. P. B. McGehee (w/a)
Mr. N. S. Reynolds (w/a)
Mr. H. L. Thomas (w/o)

9512180381 951215
PDR ADOCK 05000416
P PDR

A001
1/1

GNRO-95/0138

page 2 of 2

cc: (continued)

Mr. P. W. O'Connor, Project Manager (w/2)
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Mail Stop 13H3
Washington, D.C. 20555

Dr. Eddie F. Thompson (w/a)
State Health Officer
State Board of Health
P.O. Box 1700
Jackson, Mississippi 39205

Mr. L. J. Callan (w/a)
U.S. Nuclear Regulatory Commission
Region IV
Suite 400
611 Ryan Plaza Drive
Arlington, TX 76011

Alternate Drywell Leak Rate Testing

Following approval of the proposed Technical Specification changes, EOI will qualitatively assess the drywell leaktightness at least once per operating cycle. The first assessment will be performed during Cycle 9 at Grand Gulf Nuclear Station. This assessment will provide reasonable assurance of the ability of the drywell to perform its design basis pressure suppression function, that is, that the drywell is operable.

At GGNS, it is our intent to perform this assessment by using the purge compressors to cause a pressure change in the drywell. Although not exact, this will provide assurance that the actual drywell leakage is not far in excess of the drywell purge compressors flow rate.

Drywell Isolation Valves

System	Valve Number	Penetration Number	Type	Penetration size (in. diam.)	Position indication	Comments
LPCI "A"	E12-F041A	313(I)	Check	14	YES	F041A is a PIV leak tested by LCO 3.4.6. Leak detection istr. installed. F041A has position indication.
LPCI "A" T/C	E12-F056A	313(O)	Locked Closed (LC) Manual	.75		
LPCI "B"	E12-F041B	314(I)	Check	14	YES	F041B is a PIV leak tested by LCO 3.4.6. Leak detection istr. installed. F041B has position indication.
LPCI "B"	E12-F236	314(O)	LC Manual	1		
LPCI "B" T/C	E12-F056B	314(O)	LC Manual	.75		
CRD to Recirc. Pump A Seals	B33-F013A	326(I)	check	.75	NO	CRD system normally pressurized to > 1500 psi. CRD pump inop. alarms.
CRD to Recirc. Pump A Seals	B33-F017A	326(O)	check	.75		
Standby Liquid Control (SLCS)	C41-F007	328(I)	check	1.5	NO	
SLCS -Drain	C41-F218	328(I)	LC Manual	1		
SLCS	C41-F006	328(O)	check	1.5		
SLCS T/C	C41-F026	328(O)	LC Manual	.75		
Cont. Cooling Water	P42-F115	329(I)	check	8	YES	
Cont. Cooling Water	P42-F114-B	329(O)	Remote Manual	8		
Cont. Cooling Water	P42-F116-A	330(I)	Remote Manual	8	YES	
Cont. Cooling Water	P42-F117-B	330(O)	Remote Manual	8		
Drywell Chilled Water	P72-F125-A	331(I)	Automatic	4	YES	
Drywell Chilled Water	P72-F126-B	331(O)	Automatic	4		
Drywell Chilled Water	P72-F147	332(I)	check	4	YES	
Drywell Chilled Water	P47-124-B	332(O)	Automatic	4		

Drywell Isolation Valves

System	Valve Number	Penetration Number	Type	Penetration size (in. diam.)	Position indication	Comments
Condensate Flush Conn.	B33-F204	333(I)	LC Manual	4	NO	
Condensate Flush Conn.	B33-F205	333(O)	LC Manual	4		
Instrument Air	P53-F008	335(I)	check	2	YES/NO	Primary path has position indication. Test connection path does not.
Instrument Air	P53-F007-B	335(O)	Automatic	2		
Instrument Air T/C	P53-F493	335(O)	LC Manual	.75		
RWCU Pump Suction	G33-F250-A	337(I)	Automatic	6	YES	
RWCU Pump Suction	G33-F251-B	337(O)	Automatic	6		
Combustible Gas Control	E61-F003B-B	338(O)	Automatic	10	YES	LCO 3.6.5.6 requires closed
Combustible Gas Control	E61-F002B	338(O)	Check	10		LCO 3.6.5.6 requires closed
Combustible Gas Control	E61-F003A-A	339(O)	Automatic	10	YES	LCO 3.6.5.6 requires closed
Combustible Gas Control	E61-F002A	339(O)	Check	10		LCO 3.6.5.6 requires closed
Combustible Gas Control	E61-F005A-A	340(O)	Automatic	10	YES	LCO 3.6.5.6 requires closed
Combustible Gas Control	E61-F005B-B	340(O)	Automatic	10		LCO 3.6.5.6 requires closed
Combustible Gas Control	E61-F004A	340(O)	Check	10		LCO 3.6.5.6 requires closed
Combustible Gas Control	E61-F004B	340(O)	Check	10		LCO 3.6.5.6 requires closed
Combustible Gas Control	E61-F007-(A)	341(O)	Automatic	8	YES	
Combustible Gas Control	E61-F020-(B)	341(O)	Automatic	8		
Upper Containment Pool Drain	G41-F265	342(O)	LC Manual	3	NO	
Containment Leak Rate System	NA	343(I)(O)	Blind flange	4	N/A	

Drywell Isolation Valves

System	Valve Number	Penetration Number	Type	Penetration size (in. diam.)	Position indication	Comments
Drywell Air Purge Supply	M41-F015-(A)	345(I)	Automatic	20	YES	LCO 3.6.5.3 requires closed
Drywell Air Purge Supply	M41-F013-(B)	345(O)	Automatic	20		LCO 3.6.5.3 requires closed
CRD to Recirc.ump B Seals	B33-F013B	346(I)	check	.75	NO	CRD system normally pressurized to > 1500 psi CRD pump inop. alarms
CRD to Recirc. B Seals	B33-F017B	346(O)	check	.75		
Drywell Air Purge Exhaust	M41-F016-(A)	347(I)	Automatic	20	YES	LCO 3.6.5.3 requires closed
Drywell Air Purge Exhaust	M41-F017-(B)	347(O)	Automatic	20		LCO 3.6.5.3 requires closed
Equipment Drains	P45-F009-(A)	348(I)	Automatic	3	YES	
Equipment Drains	P45-F010-(B)	348(O)	Automatic	3		
Floor Drains	P45-F003-(A)	349(I)	Automatic	3	YES	
Floor Drains	P45-F004-(B)	349(O)	Automatic	3		
Service Air	P52-F196	363(I)	check	2	YES/NO	Primary path has position indication. Test connection path does not.
Service Air	P52-F195-B	363(O)	Automatic	2		
Service Air T/C	P52-F476	363(O)	LC Manual	.75		
Chemical Sump Discharge	P45-F096-A	364(I)	Automatic	1.75	YES	
Chemical Sump Discharge	P45-F097-B	364(O)	Automatic	1.75		
RWCU T/C	G33-F120	366(I)	LC Manual	.75	YES	
RWCU to Heat Exchanger	G33-F253-A	366(O)	Automatic	6		
Cont. Leak Rate Sys	M61-F021	438A(I)	LC Manual	1	NO	
Cont. Leak Rate Sys.	M61-F020	438A(O)	LC Manual	1		

Drywell Isolation Valves

System	Valve Number	Penetration Number	Type	Penetration size (in. diam.)	Position indication	Comments
Reactor Water Sample Line	B33-F020-A	465(O)	Automatic	.75	YES	
Reactor Water Sample Line	B33-F019-B	465(I)	Automatic	.75		
Reactor Sample T/C	B33-F021	465(O)	LC Manual	.75		