

May 22, 1981

Central files

Docket No. 50-245  
LS05-81-05-043

Mr. W. G. Council, Vice President  
Nuclear Engineering and Operations  
Northeast Nuclear Energy Company  
Post Office Box 270  
Hartford, Connecticut 06101



Dear Mr. Council:

SUBJECT: CLASSIFICATION OF STRUCTURES, SYSTEMS AND COMPONENTS,  
SEP TOPIC III-1 (MILLSTONE 1)

Enclosed is a table of structures, systems and components for which classification with respect to quality group and construction code standards is required. Seismic classification is being addressed as part of the overall seismic design reevaluation. Electrical power distribution systems and instrumentation such as sensors and actuation devices are not addressed here for quality group, but will be considered for seismic adequacy.

You are requested to complete the following table and verify whether the data already entered is correct. Furthermore, we request the following information:

- 1) For all systems and components supply the classification being used for Section XI testing.
- 2) Provide any supplemental quality assurance which was performed during construction such as testing, non-destructive examination, material traceability, etc. which would assist us in our review.

Your response is requested in 30 days.

Sincerely,

Dennis M. Crutchfield, Chief  
Operating Reactors Branch No. 5  
Division of Licensing

Enclosure:  
As stated

8106020 357  
cc w/enclosure:  
See next page

OFFICE	SEPBD:DL	SEPBD:DL	SEPBD:DL	ORB#5:DL:PM	SEPBD:DL	AD:SA:DL
SURNAME	AWang:dk	CBerlinger	WRussell	JShea	DCrutchfield	Glinas
DATE	5/19/81	5/14/81	5/20/81	5/20/81	5/21/81	5/20/81



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

May 22, 1981

Docket No. 50-245  
LS05-81-05-043

Mr. W. G. Council, Vice President  
Nuclear Engineering and Operations  
Northeast Nuclear Energy Company  
Post Office Box 270  
Hartford, Connecticut 06101

Dear Mr. Council:

SUBJECT: CLASSIFICATION OF STRUCTURES, SYSTEMS AND COMPONENTS,  
SEP TOPIC III-1 (MILLSTONE 1)

Enclosed is a table of structures, systems and components for which classification with respect to quality group and construction code standards is required. Seismic classification is being addressed as part of the overall seismic design reevaluation. Electrical power distribution systems and instrumentation such as sensors and actuation devices are not addressed here for quality group, but will be considered for seismic adequacy.

You are requested to complete the following table and verify whether the data already entered is correct. Furthermore, we request the following information:

- 1) For all systems and components supply the classification being used for Section XI testing.
- 2) Provide any supplemental quality assurance which was performed during construction such as testing, non-destructive examination, material traceability, etc. which would assist us in our review.

Your response is requested in 30 days.

Sincerely,

*Dennis M. Crutchfield*  
Dennis M. Crutchfield, Chief  
Operating Reactors Branch No. 5  
Division of Licensing

Enclosure:  
As stated

cc w/enclosure:  
See next page

# MILLSTONE 1 TABLE OF CONTENTS

<u>TITLE</u>	<u>PAGE</u>
1. Structures. . . . .	1
2. Reactor Coolant System. . . . .	2
3. Recirculation System. . . . .	3
4. Emergency Systems	
Isolation Condenser. . . . .	3
Standby Liquid Control System. . . . .	4
Core Spray System. . . . .	4
Low Pressure Coolant Injection/ Containment Coolant-Subsystem. . . . .	5
Feedwater Coolant Injection. . . . .	6
Automatic Pressure Relief Subsystem. . . . .	6
5. Standby Gas Treatment System. . . . .	7
6. Safety Valves . . . . .	7
7. Relief Valves . . . . .	7
8. Reactor Coolant Pressure Boundary . . . . .	7
9. Isolation Valves. . . . .	7
10. Containment Penetrations. . . . .	8
11. Control Rods. . . . .	8
12. Control Rod Drive Housing . . . . .	8
13. Control Rod Drive Housing Supports. . . . .	8
14. Control Rod Drive System. . . . .	8
15. Spent Fuel Storage Facilities . . . . .	8
16. Turbine Stop Valve Housing. . . . .	9
17. Reactor Vessel Head Cooling System. . . . .	9
18. Main Steam System . . . . .	10
19. Condensate Storage Tank . . . . .	10
20. Reactor Water Cleanup System. . . . .	10
21. Reactor Shutdown Cooling System . . . . .	10
22. Reactor Building Closed Cooling Water System. . . . .	11
23. Condensate Demineralizer System . . . . .	11
24. Compressed Air System . . . . .	11
25. Standby Diesel Generator System . . . . .	12
26. Gas Turbine System. . . . .	12
27. Service Water System. . . . .	12
28. Emergency Service Water System. . . . .	12
29. Turbine Bldg. Secondary Cooling Water System. . . . .	12
30. Standby Electric Power Systems. . . . .	13
31. Instrumentation and Controls. . . . .	13

<u>Components/Subsystems</u>	<u>R.G. 1.26</u>	<u>Quality Group</u>	<u>Section XI</u>	<u>Seismic Classification</u>		<u>Remarks</u>
	<u>SRP 3.2.2</u>	<u>Plant Design</u>	<u>Classification</u>	<u>R.G. 1.29</u> <u>SRP 3.2.1</u>	<u>Plant Design</u>	
<u>1. Structures</u>						
Reactor building	-	-	-	Seismic Category I (R.G. 1.29, C.1.o)	Class I (FSAR Sec. 12.1.1.4)	
Drywell, suppression chamber vents and penetrations (primary containment)	ASME III MC	ASME III Class B (FSAR Sec. 12.1.1.3 and Table 5.2.1)	?	Seismic Category I (R.G. 1.29, C.1.g, C.1.o)	Class I (FSAR Sec. 12.1.1.4)	
Control Room	-	-	?	Seismic Category I (R.G. 1.29, C.1.n)	Class I	
Stack	-	-	-	Non seismic	Class I	Standby gas treatment system is non-seismic Cat. I (SRP 11.3). No requirement that stack be seismic qualified
Turbine building (Portions housing Class I equipment)	-	-	-	Non seismic Category I (OBE)	Class I (FSAR Sec. 12.1.1.4)	

<u>Components/Subsystems</u>	<u>R.G. 1.26 SRP 3.2.2</u>	<u>Quality Group</u>		<u>Section XI Classification</u>	<u>Seismic Classification</u>		<u>Remarks</u>
		<u>Plant Design</u>			<u>R.G. 1.29 SRP 3.2.1</u>	<u>Plant Design</u>	
Radioactive waste building	-	-	-	-	Non seismic Category I (OBE), (BTP ETSB 11-1, Sec. V, Rev. 1)	Portions are Class I or Class II	
Intake structure	-	-	-	-	Seismic Category I (R.G. 1.29, C.1.g)	Class I (FSAR Sec. 12.1.1.4)	Ultimate heat sink should be seismic Category I
Discharge structure	-	-	-	-	Seismic Category I (R.G. 1.29, C.1.g)	?	Ultimate heat sink should be seismic Category I
Gas turbine building	-	-	-	-	Seismic Category I	Class I (FSAR Sec. 12.1.1.4)	
<u>2. Reactor Coolant System</u>							
Reactor vessel	ASME Sec. Class 1	ASME BPV Sec. III Class A	?	?	Seismic Category I	Class I (FSAR Sec. 12.1.1.4)	
Reactor vessel supports	-	-	-	-	Seismic Category I	Class I (FSAR Sec. 12.1.1.4)	
Reactor vessel internals	ASME Sec. Class 1	ASME BPV Sec. III Class A	?	?	Seismic Category I	Class I (FSAR Sec. 12.1.1.4)	All reactor vessel internals identified in FSAR Sec. 12.1.1.2

<u>Components/Subsystems</u>	<u>R.G. 1.26</u>	<u>Quality Group</u>	<u>Section XI</u> <u>Classification</u>	<u>R.G. 1.29</u>	<u>Seismic Classification</u>	<u>Remarks</u>
	<u>SRP 3.2.2</u>	<u>Plant</u> <u>Design</u>		<u>SRP 3.2.1</u>	<u>Plant</u> <u>Design</u>	
<u>3. Recirculation System</u>						
Piping	ASME Sec. III Class 1	ASME BPV Sec. I and USAS B31.1.0	?	Seismic Category I (R.G. 1.29)	Class I (FSAR Sec. 12.1.1.4)	
Valves	ASME Sec. III Class 1	ASME BPV Sec. I and USAS B31.1.0	?	Seismic Category I (R.G. 1.29)	Class I (FSAR Sec. 12.1.1.4)	
Pumps	ASME Sec. III Class 1	ASME Sec. III Class C	?	Seismic Category I (R.G. 1.29), Sec. C.1.a)	Class I (FSAR Sec. 12.1.1.4)	
<u>4. Emergency Systems</u>						
<u>Isolation condenser</u>						
Shell side	ASME Sec. III Class 3 (R.G. 1.26, Sec. C.2.b)	ASME Sec. VIII	?	Seismic Category I (R.G. 1.29, Sec. C.1.d)	Class I (FSAR Sec. 12.1.1.4)	
Tube side	ASME Sec. III Class 2 (R.G. 1.26, Sec. C.1.b)	ASME Sec. III	?	Seismic Category I (R.G. 1.29, Sec. C.1.d)	Class I (FSAR Sec. 12.1.1.4)	
Piping, fittings valves (tube side)	ASME Sec. III Class 2 (R.G. 1.26, Sec. C.1.b)	ASME Sec. III	?	Seismic Category I (R.G. 1.29, Sec. C.1.d)	Class I (FSAR Sec. 12.1.1.2)	

<u>Components/Subsystems</u>	<u>Quality Group</u>		<u>Section XI Classification</u>	<u>Seismic Classification</u>		<u>Remarks</u>
	<u>R.G. 1.26 SRP 3.2.2</u>	<u>Plant Design</u>		<u>R.G. 1.29 SRP 3.2.1</u>	<u>Plant Design</u>	
<u>Standby liquid control system</u>						
Piping and valves beyond isolation valves	ASME Sec. III Class 2	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.m)	Class I (FSAR, Sec. 12.1.1.4)	
BLC Tank	ASME Sec. III Class 2	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.m)	Class I (FSAR, Sec. 12.1.1.4)	
Pumps	ASME Sec. III Class 2	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.m)	Class I (FSAR, Sec. 12.1.1.4)	
<u>Core spray system</u>						
Pumps	ASME Sec. III Class 2 (R.G. 1.26, Sec. C.1.a)	ASME Sec. III Class C	?	Seismic Category I (R.G. 1.29, Sec. C.1.c)	Class I (FSAR, Sec. 12.1.1.4)	
Piping, fittings, and valves	ASME Sec. III Class 2 (R.G. 1.26, Sec. C.1.a)	USAS B31.1	?	Seismic Category I (R.G. 1.29, Sec. C.1.c)	Class I (FSAR, Sec. 12.1.1.4)	
Spray header and spargers	ASME Sec. III Class 2 (R.G. 1.26, Sec. C.1.a)	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.c)	Class I (FSAR Sec. 12.1.1.4)	

<u>Components/Subsystems</u>	<u>Quality Group</u>		<u>Section XI Classification</u>	<u>Seismic Classification</u>		<u>Remarks</u>
	<u>R.G. 1.26 SRP 3.2.2</u>	<u>Plant Design</u>		<u>R.G. 1.29 SRP 3.2.1</u>	<u>Plant Design</u>	
<u>low pressure coolant injection/containment coolant subsystem</u>						
Pumps	ASME Sec. III Class 2 (R.G. 1.26, Sec. C.1.a)	ASME Sec. III Class C	?	Seismic Category I (R.G. 1.29, Sec. C.1.c)	Class I (FSAR, Sec. 12.1.1.2)	
Piping, fittings and valves	ASME Sec. III Class 2 (R.G. 1.26, Sec. C.1.a)	USAS B31.1	?	Seismic Category I (R.G. 1.29, Sec. C.1.c)	Class I (FSAR, Sec. 12.1.1.2)	
Containment and suppression spray headers	ASME Sec. III Class 2 (R.G. 1.26, Sec. C.1.a)	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.c)	Class I (FSAR, Sec. 12.1.1.2)	
Heat exchangers - tube side	ASME Sec. III Class 2 (R.G. 1.26, Sec. C.1.a)	ASME Sec. III Class C	?	Seismic Category I (R.G. 1.29, Sec. C.1.c)	Class I (FSAR, Sec. 12.1.1.2)	
Heat exchangers shell side	ASME Sec. III Class 3 (R.G. 1.26, Sec. C.1.a)	ASME Sec. III Class C	?	Seismic Category I (R.G. 1.29, Sec. C.1.c)	Class I (FSAR, Sec. 12.1.1.2)	
Containment cooling subsystem	ASME Sec. III Class 3	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.c)	Class I (FSAR, Sec. 12.1.1.4)	
Pumps	ASME Sec. III Class 3	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.c)	Class I (FSAR, Sec. 12.1.1.4)	

<u>Components/Subsystems</u>	<u>Quality Group</u>			<u>Seismic Classification</u>		<u>Remarks</u>
	<u>R.G. 1.26</u> <u>SRP 3.2.2</u>	<u>Plant</u> <u>Design</u>	<u>Section XI</u> <u>Classification</u>	<u>R.G. 1.29</u> <u>SRP 3.2.1</u>	<u>Plant</u> <u>Design</u>	
<u>Feedwater coolant</u> <u>injection</u>						
Piping, fittings and valves	ASME Sec. III Class 2 (R.G. 1.26, Sec. C.1.a)	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.a)	Class I (FSAR, Sec. 12.1.1.4)	
Spargers (feedwater spargers used)	ASME Sec. III Class 2 (R.G. 1.26, Sec. C.1.a)	ASME Sec. III Class A	?	Seismic Category I (R.G. 1.29, Sec. C.1.a)	Class I (FSAR, Sec. 12.1.1.4)	
F.W. heat exchangers tube side	ASME Sec. III Class 2	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.a)	Class I (FSAR, Sec. 12.1.1.4)	
Pumps (condensate, condensate booster, feedwater, condensate transfer)	ASME Sec. III Class 2	ASME Sec. VIII	?	Seismic Category I (R.G. 1.29, Sec. C.1.a)	Class I (FSAR, Sec. 12.1.1.4)	
Condenser hotwell, piping and valves from cond. Hotwell to the reactor vessel	ASME Sec. III Class 2	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.a)	Class I (FSAR, Sec. 12.1.1.4)	
<u>Automatic pressure</u> <u>relief subsystem</u> <u>(AOS)</u>	ASME Sec. III Class 1	?	?	Seismic Category I	?	

<u>Components/Subsystems</u>	<u>Quality Group</u>		<u>Section XI Classification</u>	<u>Seismic Classification</u>		<u>Remarks</u>
	<u>R.G. 1.26 SRP 3.2.2</u>	<u>Plant Design</u>		<u>R.G. 1.29 SRP 3.2.1</u>	<u>Plant Design</u>	
5. <u>Standby Gas Treatment System</u>	ASME Sec. III Class 2	?	?	Seismic Category I	Class I (FSAR, Sec. 12.1.1.4)	System provide secondary con- tainment vacuum. No inerting func- tion. Prevent escape of radioactivity
6. <u>Safety Valves</u>	ASME Sec. III Class 1	ASME Sec. III USAS B31.1.0	?	Seismic Category I (R.G. 1.29, Sec. C.1.a)	Class I (FSAR, Sec. 12.1.1.4)	
7. <u>Relief Valves</u>	ASME Sec. III Class 1	USAS B31.1.0	?	Seismic Category I (R.G. 1.29, Sec. C.1.a)	Class I (FSAR, Sec. 12.1.1.4)	
8. <u>Reactor Coolant Pressure Boundary</u>						
Piping from reactor vessel up to and including first isola- tion valve external to drywell	ASME Sec. III Class 1	ASME BPV Sec. I & III USAS B31.1.0	?	Seismic Category I (R.G. 1.29, Sec. C.1.a)	Class I (FSAR, Sec. 12.1.1.4)	
9. <u>Isolation Valves</u>						
(Other than valves identified under Item 8)	ASME Sec. III Class 1	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.a)	Class I (FSAR, Sec. 12.1.1.4)	

<u>Components/Subsystems</u>	<u>R.G. 1.26 SRP 3.2.2</u>	<u>Quality Group</u>		<u>Seismic Classification</u>		<u>Remarks</u>
		<u>Plant Design</u>	<u>Section XI Classification</u>	<u>R.G. 1.29 SRP 3.2.1</u>	<u>Plant Design</u>	
10. <u>Containment Penetrations Valves and Piping</u>	ASME Sec. III Class 2	?	?	Seismic Category I	?	
11. <u>Control Rods</u>	-	-	-	Seismic Category I (R.G. 1.29, Sec. C.1.m)	Class I (FSAR, Sec. 12.1.1.4)	
12. <u>Control Rod Drive Housing</u>	ASME Sec. III Class 1	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.a)	Class I (FSAR, Sec. 12.1.1.4)	
13. <u>Control Rod Drive Housing Supports</u>	-	-	-	Seismic Category I (R.G. 1.29, Sec. C.2)	Class I (FSAR, Sec. 12.1.1.4)	
14. <u>Control Rod Drive System</u>	ASME Sec. III Class 2 (See remarks)	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.m)	Class I (FSAR, Sec. 12.1.1.4)	Only portions of CRD system pip- ing and valves required for control rod insertion and withdrawal
15. <u>Spent Fuel Storage Facilities</u>						
Spent Fuel Pool	ASME Sec. III Class 3 (R.G. 12.6, Sec. C.2.a)	?	?	Seismic Category I (R. G. 1.29, Sec. C.1.d)	Class I (FSAR, Sec. 12.1.1.4)	

<u>Components/Subsystems</u>	<u>Quality Group</u>		<u>Section XI Classification</u>	<u>Seismic Classification</u>		<u>Remarks</u>
	<u>R.G. 1.26 SRP 3.2.2</u>	<u>Plant Design</u>		<u>R.G. 1.29 SRP 3.2.1</u>	<u>Plant Design</u>	
Pumps	ASME Sec. III Class 3 (R.G. 1.26, Sec. C.2.a)	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.d)	Class I (FSAR, Sec. 12.1.1.4)	
Heat exchangers	ASME Sec. III Class 3 (R.G. 1.26, Sec. C.2.a)	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.d)	Class I (FSAR, Sec. 12.1.1.4)	
Piping, fittings and valves	ASME Sec. III Class 3 (R.G. 1.26, Sec. C.2.a)	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.d)	Class I (FSAR, Sec. 12.1.1.4)	
Valves	ASME Sec. III Class 3 (R.G. 1.26, Sec. C.2.a)	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.d)	Class I (FSAR, Sec. 12.1.1.4)	
16. <u>Turbine Stop Valves</u>						
<u>Housing</u>	-	-	-	Seismic Category I (R.G. 1.29, Sec. C.1.e)	Class II	
17. <u>Reactor Vessel Head Cooling System</u>	ASME Sec. III Class 3 (R.G. 1.26, Sec. C.2.a)	?	?	Non seismic Category I (OBE)	Class I	

<u>Components/Subsystems</u>	<u>Quality Group</u>		<u>Section XI Classification</u>	<u>Seismic Classification</u>		<u>Remarks</u>
	<u>R.G. 1.26 SRP 3.2.2</u>	<u>Plant Design</u>		<u>R.G. 1.29 SRP 3.2.1</u>	<u>Plant Design</u>	
18. <u>Main Steam System</u>						
From outermost containment isolation valve up to turbine stop and bypass valves and connected piping up to and including first valve	ASME Sec. III Class 2 (R.G. 1.26, Sec. C.1.c)	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.e)	Class II	
19. <u>Condensate Storage Tank</u>	ASME Sec. III Class 3 (R.G. 1.26, Sec. C.1 a & b) See remarks	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.d)	Class I	Primary source of water to condenser hotwell which is required during FWCI
20. <u>Reactor Water Clean-up System</u>	ASME Sec. III Class 3 (R.G. 1.26, Sec. C.1.e)	?	?	Non seismic Category I (OBE)	Class II (FSAR, Sec. 12.1.1.4)	
21. <u>Reactor Shutdown Cooling System</u>	ASME Sec. III Class 2 (R.G. 1.26, Sec. C.1.b)	ASME Sec. III Class C	?	Seismic Category I (R.G. 1.29, Sec. C.1.d)	Class II (FSAR, Sec. 12.1.1.4)	
Heat exchanger						
tube	ASME Sec. III Class 2	ASME Sec. III Class C	?	Seismic Category I	Class II	
shell	ASME Sec. III Class 3	ASME Sec. VIII	?	Seismic Category I	Class II	

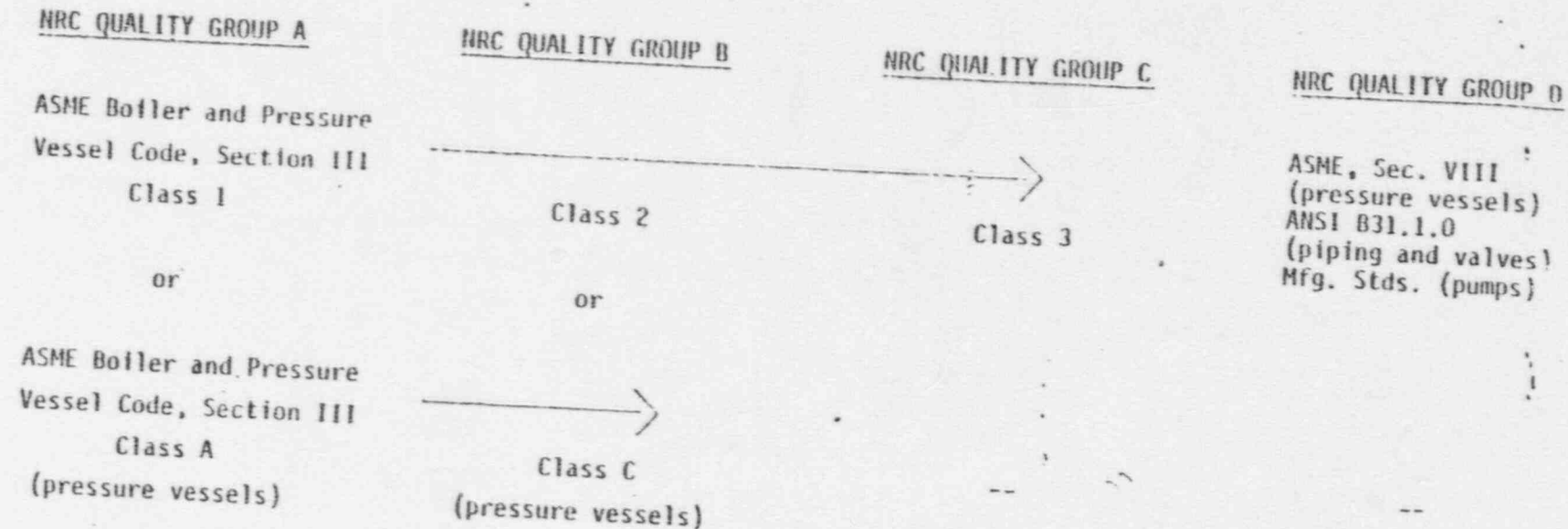
<u>Components/Subsystems</u>	R.G. 1.26 SRP 3.2.2	<u>Quality Group</u> Plant Design	<u>Section XI</u> <u>Classification</u>	<u>Seismic Classification</u>		<u>Remarks</u>
				R.G. 1.29 SRP 3.2.1	Plant Design	
22. <u>Reactor Building Closed</u> <u>Cooling Water System</u>				Seismic Category I	Class I	
Pumps	ASME Sec. III Class 3 (R.G. 1.26, Sec. C.2.b)	?	?			
Heat exchangers	ASME Sec. III Class 3 (R.G. 1.26, Sec. C.2.b)	ASME Sec. VIII TEMA CL.R	?	Seismic Category I	Class I	
Piping, fittings, and valves	ASME Sec. III Class 3 (R.G. 1.26, Sec. C.2.b)	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.g)	Class I	
23. <u>Condensate Deminera- Tizer System</u>	ASME Sec. III Class 2	?	?	Seismic Category I	Class I	
24. <u>Air Compressors and Receivers</u>	Not covered by R.G. 1.26 SRP 3.2.2 req's air sys. important to safety be ASME III, Class 3	?	?	See remarks	Class I	Portions of air systems required to perform safety function (i.e., gas or air supply to ADS and MSI valves) should be seismic Category I & Class 3

Components/Subsystems	R.G. 1.26 SRP 3.2.2	Quality Group Plant Design	Section XI Classification	R.G. 1.29 SRP 3.2.1	Seismic Classification Plant Design	Remarks
2. Standby Diesel Generator System	ASME Sec. III Class 3 (R.G. 1.26, Sec. C.2)	?	?	Seismic Category I (R.G. 1.29, Sec. C.1.q)	Class I (FSAR, Sec. 12.1.1.2)	
6. Gas turbine System	-	-	-	Seismic Category I	Class I	
27. Service Water System	ASME Sec. III Class 3	?	?	Seismic Category I	Class I (FSAR, Sec. 12.1.1.4)	
1. Exchangers	ASME Sec. III Class 3	ASME Sec. VIII TENA Class R	?	Seismic Category I	Class I (FSAR, Sec. 12.1.1.4)	
28. Emergency Service Water System	ASME Sec. III Class 3	ASME Sec. VIII TENA Class R	?	Seismic Category I	?	
Heat exchangers	ASME Sec. III Class 3	ASME Sec. VIII TENA Class R	?	Seismic Category I	?	
29. Turbine Bldg. Secondary Cooling Water System	ASME Sec. III Class III	?	?	Seismic Category I	Class I	
Heat exchangers	ASME Sec. III Class III	ASME Sec. VIII TENA Class R	?	Seismic Category I	Class I	

<u>Components/Subsystems</u>	<u>R.G. 1.26</u> <u>SRP 3.2.2</u>	<u>Quality Group</u> <u>Plant</u> <u>Design</u>	<u>Section XI</u> <u>Classification</u>	<u>Seismic Classification</u>		<u>Remarks</u>
				<u>R.G. 1.29</u> <u>SRP 3.2.1</u>	<u>Plant</u> <u>Design</u>	
30. <u>Standby Electric</u> <u>Power Systems</u>						
Station batteries	-	-	-	Seismic Category I	Class I	
Emergency buses and other electrical gear and power to critical equipment				"	"	
31. <u>Instrumentation and</u> <u>Controls</u>						
Reactor level instrumentation				Seismic Category I	Class I	
Feedwater control instrumen- tation				"	"	
Standby liquid control system instrumentation				"	"	
Manual reactor control system				"	"	
Control rod instrumentation				"	"	
Control rod position indicating system				"	"	
Reactor protection system				"	"	
Neutron monitor system				"	"	
In-core neutron monitor system				"	"	
Area monitors				"	"	
Process monitors				"	"	

ENCLOSURE 2

QUALITY STANDARDS



- NRC Quality Group A equivalent to Licensee Safety Class 1
- NRC Quality Group B equivalent to Licensee Safety Class 2
- NRC Quality Group C equivalent to Licensee Safety Class 3
- NRC Quality Group D equivalent to Licensee Safety Class 4 or NNS

- Also seismic Category I
- Not always seismic Category I
- Non-seismic Category I