

ATTACHMENT 2

LIMERICK GENERATING STATION

Docket No. 50-352
License No. NPF-39

PROPOSED TECHNICAL SPECIFICATIONS CHANGES

List of Attached Change Pages

3/4 8-15
3/4 8-16
3/4 8-17
3/4 8-18
3/4 8-19
3/4 8-20

3/4.8.3 ONSITE POWER DISTRIBUTION SYSTEMS

DISTRIBUTION - OPERATING

LIMITING CONDITION FOR OPERATION

3.8.3.1 The following power distribution system divisions shall be energized:

a. A.C. power distribution:

1. Unit 1 Division 1, Consisting of:

- a) 4160-VAC Bus: D11 (10A115)
- b) 480-VAC Load Center: D114 (10B201)
- c) 480-VAC Motor Control Centers: D114-R-C1 (10B219)
D114-R-C (10B213)
D114-R-G (10B211)
D114-R-G1 (10B215)
D114-D-G (10B515)
- d) 120-VAC Distribution Panels: 10Y101
10Y206

2. Unit 1 Division 2, Consisting of:

- a) 4160-VAC Bus: D12 (10A116)
- b) 480-VAC Load Center: D124 (10B202)
- c) 480-VAC Motor Control Centers: D124-R-C1 (10B220)
D124-R-C (10B214)
D124-R-G (10B212)
D124-R-G1 (10B216)
D124-D-G (10B516)
- d) 120-VAC Distribution Panels: 10Y102
10Y207

3. Unit 1 Division 3, Consisting of:

- a) 4160-VAC Bus: D13 (10A117)
- b) 480-VAC Load Center: D134 (10B203)
- c) 480-VAC Motor Control Centers: D134-R-H1 (10B2210)
D134-R-H (10B217)
D134-R-E (10B223)
D134-C-B (00B131)
D134-D-G (10B517)
- d) 120-VAC Distribution Panels: 10Y103
10Y163

4. Unit 1 Division 4, Consisting of:

- a) 4160-VAC Bus: D14 (10A118)
- b) 480-VAC Load Center: D114 (10B204)
- c) 480-VAC Motor Control Centers: D144-R-G (10B222)
D144-R-H (10B218)
D144-R-E (10B224)
D144-C-B (00B132)
D144-D-G (10B518)
- d) 120-VAC Distribution Panels: 10Y104
10Y164

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

5.	Unit 2 and Common Division 1, Consisting of:	
a)	4160-VAC bus:	D21 (20A115)
b)	480-VAC load center:	D214 (20B201)
c)	480-VAC motor control centers:	D114-S-L (00B519)
		D214-R-C (20B213)
		D214-D-G (20B515)
d)	120-VAC distribution panels:	01Y501
		20Y101
		20Y206
6.	Unit 2 and Common Division 2, Consisting of:	
a)	4160-VAC bus:	D22 (20A116)
b)	480-VAC load center:	D224 (20B202)
c)	480-VAC motor control centers:	D124-S-L (00B520)
		D224-D-G (20B516)
d)	120-VAC distribution panels:	02Y501
		20Y102
		20Y207
7)	Unit 2 and Common Division 3, Consisting of:	
a)	4160-VAC bus:	D23 (20A117)
b)	480-VAC load center:	D234 (20B203)
c)	480-VAC motor control centers:	D234-S-L (00B521)
		D234-D-G (20B517)
d)	120-VAC distribution panels:	03Y501
		20Y103
		20Y163
8.	Unit 2 and Common Division 4, Consisting of:	
a)	4160-VAC bus:	D24 (20A118)
b)	480-VAC load center:	D224 (20B204)
c)	480-VAC motor control centers:	D244-S-L (00B522)
		D244-D-G (20B518)
d)	120-VAC distribution panels:	04Y501
		20Y104
		20Y164
b.	D.C. Power Distribution Panels	
1.	Unit 1 Division 1, Consisting of:	
a)	250-V DC Fuse Box:	1FA (1AD105)
b)	250-V DC Motor Control Centers:	1DA (10D201)
c)	125-V DC Distribution Panels:	1PPA1 (1AD102)
		1PPA2 (1AD501)
		1PPA3 (1AD162)
2.	Unit 1 Division 2, Consisting of:	
a)	250-V DC Fuse Box:	1FB (18D105)
b)	250-V DC Motor Control Centers:	1DB-1 (10D202)
		1DB-2 (10D203)
c)	125-V DC Distribution Panels:	1PPB1 (18D102)
		1PPB2 (18D501)
		1PPB3 (18D162)

ELECTRICAL POWER SYSTEMS
LIMITING CONDITION FOR OPERATION (Continued)

- | | | |
|----|--|--|
| 3. | Unit 1 Division 3, Consisting of: | |
| a) | 125-V DC Fuse Box: | 1FC (1CD105) |
| b) | 125-V DC Distribution Panels: | 1PPC1 (1CD102)
1PPC2 (1CD501)
1PPC3 (1CD162) |
| 4. | Unit 1 Division 4, Consisting of: | |
| a) | 125-V DC Fuse Box: | 1FD (1DD105) |
| b) | 125-V DC Distribution Panels: | 1PPD1 (1DD102)
1PPD2 (1DD501)
1PPD3 (1DD162) |
| 5. | Unit 2 and Commr. Division 1, Consisting of: | |
| a) | 250-V DC Fuse Box: | 2FA (2AD105) |
| b) | 125-V DC Distribution Panels: | 2PPA1 (2AD102)
2PPA2 (2AD501) |
| 6. | Unit 2 and Common Division 2, Consisting of: | |
| a) | 250-V DC Fuse Box: | 2FB (2BD105) |
| b) | 125-V DC Distribution Panels: | 2PPB1 (2BD102)
2PPB2 (2BD501) |
| 7. | Unit 2 and Common Division 3, Consisting of: | |
| a) | 250-V DC Fuse Box: | 2FC (2CD105) |
| b) | 125-V DC Distribution panels: | 2PPC1 (2CD102)
2PPC2 (2CD501) |
| 8. | Unit 2 and Common Division 4, Consisting of: | |
| a) | 250-V DC Fuse Box: | 2FD (2DD105) |
| b) | 125-V DC Distribution Panels: | 2PPD1 (2DD102)
2PPD2 (2DD501) |

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

ACTION:

- a. With one of the above required Unit 1 A.C. distribution system divisions not energized, reenergize the division within 24 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- b. With one of the above required Unit 1 D.C. distribution system divisions not energized, reenergize the division within 8 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- c. With any of the above required Unit 2 and common AC and/or DC distribution system divisions not energized, declare the associated common system fed from the deenergized source inoperable, and take the appropriate Action required for that system.

SURVEILLANCE REQUIREMENTS

4.8.3.1 Each of the above required power distribution systems divisions shall be determined energized at least once per 7 days by verifying correct breaker alignment and voltage on the busses/MCCs/panels.

ELECTRICAL POWER SYSTEMS
DISTRIBUTION - SHUTDOWN
LIMITING CONDITION FOR OPERATION

3.8.3.2 As a minimum, 2 of the 4 divisions of the power distribution system shall be energized with:

a. A.C. power distribution:

1. Unit 1 Division 1, Consisting of:
 - a) 4160-VAC Bus: D11 (10A115)
 - b) 480-VAC Load Center: D114 (10B201)
 - c) 480-VAC Motor Control Centers: D114-R-C1 (10B219)
D114-R-C (10B213)
D114-R-G (10B211)
D114-R-G1 (10B215)
D114-D-G (10B515)
 - d) 120-VAC Distribution Panels: 10Y101
10Y206
2. Unit 1 Division 2, Consisting of:
 - a) 4160-VAC Bus: D12 (10A116)
 - b) 480-VAC Load Center: D124 (10B202)
 - c) 480-VAC Motor Control Centers: D124-R-C1 (10B220)
D124-R-C (10B214)
D124-R-G (10B212)
D124-R-G1 (10B216)
D124-D-G (10B516)
 - d) 120-VAC Distribution Panels: 10Y102
10Y207
3. Unit 1 Division 3, Consisting of:
 - a) 4160-VAC Bus: D13 (10A117)
 - b) 480-VAC Load Center: D134 (10B203)
 - c) 480-VAC Motor Control Centers: D134-R-H1 (10B221)
D134-R-H (10B217)
D134-R-E (10B223)
D134-C-B (00B131)
D134-D-G (10B517)
 - d) 120-VAC Distribution Panels: 10Y103
10Y163
4. Unit 1 Division 4, Consisting of:
 - a) 4160-VAC Bus: D14 (10A118)
 - b) 480-VAC Load Center: D144 (10B204)
 - c) 480-VAC Motor Control Centers: D144-R-G (10B222)
D144-R-H (10B218)
D144-R-E (10B224)
D144-C-B (00B132)
D144-D-G (10B518)
 - d) 102-VAC Distribution Panels: 10Y104
10Y164
5. Unit 2 and Common Division 1, Consisting of:
 - a) 4160-VAC Bus: D21 (20A115)
 - b) 480-VAC Load Center: D214 (20B201)
 - c) 480-VAC Motor Control Centers: D114-S-L (00B519)
D214-R-C (20B213)
D214-D-G (20B515)
 - d) 120-VAC Distribution Panels: 01Y501
20Y101
20Y206

LIMITING CONDITION FOR OPERATION (Continued)

6.	Unit 2 and Common Division 2, Consisting of:		
	a. 4160-VAC Bus:	D22	(20A116)
	b. 480-VAC Load Center:	D224	(20B202)
	c. 480-VAC Motor Control Centers:	D124-S-L	(00B520)
		D224-D-G	(20B516)
	d. 120-VAC Distribution Panels:	02Y501	
		20Y102	
		20Y207	
7.	Unit 2 and Common Division 3, Consisting of:		
	a. 4160-VAC Bus:	D23	(20A117)
	b. 480-VAC Load Center:	D234	(20B203)
	c. 480-VAC Motor Control Centers:	D234-S-L	(00B521)
		D234-D-G	(20B517)
	d. 120-VAC Distribution Panels:	03Y501	
		20Y103	
		20Y163	
8.	Unit 2 and Common Division 4, Consisting of:		
	a. 4160-VAC Bus:	D24	(20A118)
	b. 480-VAC Load Center:	D224	(20B204)
	c. 480-VAC Motor Control Centers:	D244-S-L	(00B522)
		D244-D-G	(20B518)
	d. 120-VAC Distribution Panels:	04Y501	
		20Y104	
		20Y164	
b.	D.C. power distribution:		
1.	Unit 1 Division 1, Consisting of:		
	a) 250-V DC Fuse Box:	1FA	(1A105)
	b) 250-V DC Motor Control Center:	1DA	(10D201)
	c) 125-V DC Distribution Panels:	1PPA1	(1A102)
		1PPA2	(1A0501)
		1PPA3	(1A162)
2.	Unit 1 Division 2, Consisting of:		
	a) 250-V DC Fuse Box:	1FB	(18D105)
	b) 250-V DC Motor Control Centers:	1DB-1	(10D202)
		1DB-2	(10D203)
	c) 125-V DC Distribution Panels:	1PPB1	(18D102)
		1PPB2	(18D501)
		1PPB3	(18D162)
3.	Unit 1 Division 3, Consisting of:		
	a) 125-V DC Fuse Box:	1FC	(1CD105)
	b) 125-V DC Distribution Panels:	1PPC1	(1CD102)
		1PPC2	(1CD501)
		1PPC3	(1CD162)
4.	Unit 1 Division 4, Consisting of:		
	a) 125-V DC Fuse Box:	1FD	(10D105)
	b) 125-V DC Distribution Panels:	1PPD1	(10D102)
		1PPD2	(10D501)
		1PPD3	(10D162)

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

-
5. Unit 2 and Common Division 1, Consisting of:
- a) 250-V DC Fuse Box: 2FA (2AD105)
 - b) 125-V DC Distribution Panels: 2PPA1 (2AD102)
2PPA2 (2AD501)
6. Unit 2 and Common Division 2, Consisting of:
- a) 250-V DC Fuse Box: 2FB (2BD105)
 - b) 125-V DC Distribution Panels: 2PPB1 (2BD102)
2PPB2 (2BD501)
7. Unit 2 and Common Division 3, Consisting of:
- a) 250-V DC Fuse Box: 2FC (2CD105)
 - b) 125-V DC Distribution Panels: 2PPC1 (2CD102)
2PPC2 (2CD501)
8. Unit 2 and Common Division 4, Consisting of:
- a) 250-V DC Fuse Box: 2FD (2DD105)
 - b) 125-V DC Distribution Panels: 2PPD1 (2DD102)
2PPD2 (2DD501)

APPLICABILITY: OPERATIONAL CONDITIONS 4, 5, and *.

ACTION:

- a. With less than two divisions of the above required Unit 1 A.C. distribution system energized, suspend CORE ALTERATIONS, handling of irradiated fuel in the secondary containment and operations with a potential for draining the reactor vessel.
- b. With less than two divisions of the above required Unit 1 D.C. distribution system energized, suspend CORE ALTERATIONS, handling of irradiated fuel in the secondary containment and operations with a potential for draining the reactor vessel.
- c. With any of the above required Unit 2 and common AC and/or DC distribution system divisions not energized, declare the associated common system fed from the deenergized source inoperable, and take the appropriate Action required for that system.
- d. The provisions of Specification 3.0.3 are not applicable.

*When handling irradiated fuel in the secondary containment.

SURVEILLANCE REQUIREMENTS

4.8.3.2 At least the above required power distribution system divisions shall be determined energized at least once per 7 days by verifying correct breaker alignment and voltage on the busses/MCCs/panels.