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June 23, 1983

Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Limerick Generating Station, Units 1 & 2
Information for Containment Systems Branch (CSB)

File: GOVT 1-1 (FSAR)

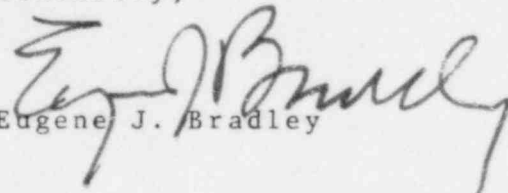
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Dear Mr. Schwencer:

Attached is a revised draft of part of Table 6.2-17, which adds power sources in partial response to CSB draft SER issue 15. Other minor changes to the Table are included for information. Resolution of the NRC's remaining concern involving automatic isolation for the DCW and RECW is forthcoming.

The information contained on these draft FSAR page changes will be incorporated into the FSAR, exactly as it appears on the attachments, in the revision scheduled for July, 1983.

Sincerely,


Eugene J. Bradley

SAJ/gra/41

Copy to: See Attached Service List

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cc:	Judge Lawrence Brenner	(w/o enclosure)
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	Judge Peter A. Morris	"
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	Atomic Safety and Licensing Board Panel	"
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TABLE 6.2-17

CONTAINMENT PENETRATION NUMBER	LINE ISOLATED	FLUID	LINE SIZE (in.)	HPC GENERAL DESIGN CRITERION	ESF SYSTEM	ESSENTIAL SYSTEM	VALVE NUMBER	VALVE TYPE (1)	VALVE LOCATION	VALVE ARRANGEMENT (2)	TYPE C TEST
X-20B	Instrumen- tation- RPV level	Water	1	55	-	-	F045C	XFC	Outside	(37)	No
X-20B	Instrumen- tation- LPCI MP	Water	1	55	-	-	102C	XFC	Outside	(40)	No
X-21	Service air	Gas	3	56	No No	No No	1140 1139	GT GT	Inside Outside	(8)	Yes
X-22	Instrumen- tation - dry- well pressure	Gas	1	56	-	-	147C	GB	Outside	(41)	No
X-23	Recirc pump cooling water supply	Water	4	56	No No No	No No No	106 108 1090	GT GT	Outside Outside Outside	(13)	Yes
X-24	Recirc pump cooling water return	Water	4	56	No No No	No No No	107 111 109A	GT GT	Outside Outside Outside	(13)	Yes
X-25	Drywell purge supply	Gas	24	56	No Yes No Yes Yes No	No Yes No Yes Yes No	135 121 123 131 163 109	BF BF BF BF BF BF	Outside Outside Outside Outside Outside Outside	(5)	Yes
X-26	Drywell purge exhaust	Gas	24	56	No Yes No No Yes No	No Yes No No Yes No	115 145 111 114 161 117	BF GT GB BF BF GB	Outside Outside Outside Outside Outside Outside	(27)	Yes
X-27A	Instrument gas supply	Gas	1	56	No No	Yes Yes	112B 151A	OX GB	Inside Outside	(48)	Yes
X-27B	Instrumen- tation-HPCI	Steam	1	55	-	-	F024B	XFC	Outside	(40)	No
X-27B	Instrumen- tation-HPCI Flow	Steam	1	55	-	-	F024D	XFC	Outside	(40)	No

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(Cont '6)

LENGTH OF PIPE FROM CONT. TO OUTSIDE VALVES	PRIMARY METHOD OF ACTUATION (3)	SECONDARY METHOD OF ACTUATION	NORMAL VALVE POSITION (4)	SHUTDOWN VALVE POSITION	POST- ACCIDENT POSITION	POWER FAILURE VALVE POSITION	ISOLATION SIGNAL (5)	DIVERSE ISOLATION SIGNAL (12)	VALVE CLOSURE TIME (6)	POWER SOURCE (7)	REMARKS
2'-2"	Flow	-	O	O	O	-	-	-	-	-	
13"	Flow	-	O	O	O	-	-	-	-	-	
0"	Manual	-	C	C	C	-	-	-	-	-	
0"	Manual	-	C	C	C	-	-	-	-	-	
8"	AC motor	Manual	O	O	O	AS IS	RM	-	30 sec	C	
0"	AC motor	Manual	O	O	C	AS IS	RM	NO	Standard	C	(15)
0"	AC motor	Manual	O	O	C	AS IS	RM	-	Standard	C	(15)
0"	AC motor	Manual	O	O	C	AS IS	RM	NO	Standard	C	(15)
0"	AC motor	Manual	O	O	C	AS IS	RM	-	Standard	C	(15)
16'-7"	AC motor	Manual	C	O	C	AS IS	B, H, R	Yes	5** sec	B	
3'-11"	Comp air	Spring	C	C	C	C	B, H, R	NA	5** sec	A	
3'-4"	Comp air	Spring	C	O	C	C	B, H, R	Yes	5** sec	A	
60'-7"	Comp air	Spring	C	C	C	C	B, H, R	NA	5 sec	A	
3'-8"	AC motor	Manual	C	C	O	AS IS	B, H, R	NA	5 sec	U	
42'-2"	AC motor	Manual	C	C	C	AS IS	B, H, R	Yes	5** sec	B	
53'-7"	AC motor	Manual	C	O	C	AS IS	B, H, R	Yes	5** sec	A	
66'-8"	AC coil	-	O	O	O	C	B, H, R	NA	2 sec	D	
6'-6"	AC motor	Manual	C	C	C	AS IS	B, H, R	Yes	30** sec	B	
49'-7"	Comp air	Spring	C	O	C	C	B, H, R	Yes	5** sec	B	
4'-5"	AC motor	Manual	C	C	O	AS IS	B, H, R	NA	5 sec	C	
60'-3"	Comp air	Spring	C	C	C	C	B, H, R	Yes	5** sec	A	
7"	Flow	-	O	O	C	-	-	-	-	-	
7"	AC motor	Manual	O	O	C	AS IS	M	NA	30 sec	C	
12"	Flow	-	O	O	O	-	-	-	-	-	
12"	Flow	-	O	O	O	-	-	-	-	-	

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CONTAINMENT PENETRATION NUMBER	LINE ISOLATED	FLUID	LINE SIZE (in.)	NRC GENERAL DESIGN CRITERION	ESI SYSTEM	ESSENTIAL SYSTEM	VALVE NUMBER	VALVE TYPE (1)	VALVE LOCATION	VALVE ARRANGEMENT (2)	TYPE TEST
X-50A	Instrumen- tation - dry- well pressure	Gas	1	56	-	-	147B	GB	Outside	(41)	No
X-50A	Instrumen- tation - recirc flow	Water	1	55	-	-	FD11A FD11B FD12A FD12B	XFC XFC XFC XFC	Outside Outside Outside Outside	(40)	No
X-50B	Instrumen- tation - recirc pump seal pressure	Water	1	55	-	-	F004A	XFC	Outside	(45)	No
X-50B	Instrumen- tation - recirc pump cooler flow	Water	1	56	-	-	156A 157A	XFC XFC	Outside Outside	(44)	No
X-51A	Instrumen- tation - recirc line flow	Water	1	55	-	-	F009A,B F010A,B	XFC XFC	Outside Outside	(40)	No
X-51B	Instrumen- tation - jet pump flow	Water	1	55	-	-	F059T F051C F053C	XFC XFC XFC	Outside Outside Outside	(37)	No
X-52A	Instrumen- tation - main steam line B flow	Water	1	55	-	-	F070B F073B	XFC XFC	Outside Outside	(40)	No
X-52B	Instrumen- tation - recirc line flow	Water	1	55	-	-	FD11C FD11D FD12C FD12D	XFC XFC XFC XFC	Outside Outside Outside Outside	(40)	No
X-53	Chilled water supply "A"	Water	1	57 56	No	No	128 120A 125A	GT GT GT	Outside Outside Outside	(13)	Yes

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CSB 15

new power source

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LENGTH OF PIPE FROM CONT. TO OUTSIDE VALVES	PRIMARY METHOD OF ACTUATION (3)	SECONDARY METHOD OF ACTUATION	NORMAL VALVE POSITION (4)	SHUTDOWN VALVE POSITION	POST- ACCIDENT POSITION	POWER FAILURE VALVE POSITION	ISOLATION SIGNAL (5)	DIVERSE ISOLATION SIGNAL (12)	VALVE CLOSURE TIME (6)	POWER SOURCE (7)	REMARKS
7"	AC motor	Manual	0	0	0	AS IS	RM	-	30 sec	B	
2'-9"	Flow	-	0	0	0	-	-	-	-	-	
18"	Flow	-	0	0	0	-	-	-	-	-	
2'-9"	Flow	-	0	0	0	-	-	-	-	-	
18"	Flow	-	0	0	0	-	-	-	-	-	
4'-11"	Flow	-	0	0	0	-	-	-	-	-	
22"	Flow	-	0	0	0	-	-	-	-	-	
20"	Flow	-	0	0	0	-	-	-	-	-	
18"	Flow	-	0	0	0	-	-	-	-	-	
18"	Flow	-	0	0	0	-	-	-	-	-	
12"	Flow	-	0	0	0	-	-	-	-	-	
3'-4"	Flow	-	0	0	0	-	-	-	-	-	
12"	Flow	-	0	0	0	-	-	-	-	-	
12"	Flow	-	0	0	0	-	-	-	-	-	
12"	Flow	-	0	0	0	-	-	-	-	-	
2'-9"	Flow	-	0	0	0	-	-	-	-	-	
18"	Flow	-	0	0	0	-	-	-	-	-	
2'-3"	Flow	-	0	0	0	-	-	-	-	-	
18"	Flow	-	0	0	0	-	-	-	-	-	
0"	AC motor	Manual	0	0	0	AS IS	RM	NO	Standard standard standard	B A A	(14)

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TABLE 6.8-17

CONTAINMENT PENETRATION NUMBER	LINE ISOLATED	FLUID	LINE SIZE(in.)	NRC GENERAL DESIGN CRITERION	ESF SYSTEM	ESSENTIAL SYSTEM	VALVE NUMBER	VALVE TYPE(1)	VALVE LOCATION	VALVE ARRANGEMENT(2)	TYPE C TEST
X-54	Chilled water return "A"	Water	8	54 56	No	No	129	GT	Outside	(13)	Yes
X-55	Chilled water supply "B"	Water	8	55 56	No	No	122	GT	Outside	(13)	Yes
X-56	Chilled water return "B"	Water	8	56 56	No	No	123	GT	Outside	(13)	Yes
X-57	Instrumen- tation - RwCU flow	Water	1	55	-	-	102	OK	Outside	(40)	No
X-58A	Instrumen- tation - recirc loop B WP	Water	1	55	-	-	F040B	OK	Outside	(40)	No
X-61	Recirc pump seal purge	Water	1	56	No -	No -	1004A,B 103A,B	OK XFC	Inside Outside	(45)	Yes
X-62	H ₂ /O ₂ sample return, drywell purge makeup	Gas	1	56	Yes No Yes	Yes No Yes	150 116 159	GT GB GT	Outside Outside Outside	(12)	Yes
X-63	Instrumen- tation- recirc loop WP	Water	1	55	-	-	F040D	XFC	Outside	(40)	No
X-63	Instrumen- tation- recirc pump seal pressure	Water	1	55	- -	- -	F004B F003B	XFC XFC	Outside Outside	(45)	No
X-65A,B	Instrumen- tation- RPV pressure	Water	1	55	- -	- -	F043B F045A	XFC XFC	Outside Outside	(37)	No

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CSB 15
new power source

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LENGTH OF PIPE FROM CONT. TO OUTSIDE VALVES	PRIMARY METHOD OF ACTUATION(3)	SECONDARY METHOD OF ACTUATION	NORMAL VALVE POSITION(4)	SHUTDOWN VALVE POSITION	POST- ACCIDENT POSITION	POWER FAILURE VALVE POSITION	ISOLATION SIGNAL(5)	DIVERSE ISOLATION SIGNAL(12)	VALVE CLOSURE TIME(6)	POWER SOURCE(S)	REMARKS
0"	AC motor	Manual	O	O	C	AS IS	RM	NO	Standard Standard Standard	B A A	(14)
0"	AC motor	Manual	C	C	C	AS IS	RM	NO	Standard Standard Standard	B A A	(14)
0"	AC motor	Manual	C	C	C	AS IS	RM	NO	Standard Standard Standard	B A A	(14)
11"	Flow	-	O	O	O	-	-	-	-	-	
14"	Flow	-	O	O	O	-	-	-	-	-	
-	Flow	-	O	C	C	-	-	-	-	-	
20"	Flow	-	O	O	O	-	-	-	-	-	
3'-3"	AC coil	-	O	O	O	C	B, H, R	NA	2 sec	B	
6'-6"	AC motor	Manual	C	C	C	AS IS	B, H, R	Yes	30** sec	O	
15'-9"	AC coil	-	O	O	O	C	B, H, R	NA	2 sec	O	
3'-4"	Flow	-	O	O	O	-	-	-	-	-	
12"	Flow	-	O	O	O	-	-	-	-	-	
12"	Flow	-	O	O	O	-	-	-	-	-	
14"	Flow	-	O	O	O	-	-	-	-	-	
14"	Flow	-	O	O	O	-	-	-	-	-	

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