



Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

February 5, 1985

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: LaSalle County Station Units 1 and 2
Environmental Qualification of
Electrical Equipment - Conformance
to 10 CFR 50.49(i)
NRC Docket Nos. 50-373 and 50-374

- References (a): September 4, 1981 letter from L. O.
DelGeorge to A. Schwencer.
- (b): Section 3.11, SER, SSER #1, SSER #2.
- (c): January 8, 1985 letter from J. G.
Marshall to H. R. Denton.
- (d): January 30, 1985 letter from J. G.
Marshall to H. R. Denton.

Dear Mr. Denton:

In response to an NRR telephonic request from Mr. Bournia and Mr. Shemansky, the following information is transmitted to supplement the reference data on conformance to 10 CFR 50.49(i).

The table in Attachment A has been revised as follows: A letter entry in the table indicates the paragraph on the previously submitted Component Application Statements which addresses the specific 10 CFR 50.49(i) considerations. For example, the Limitorque operator for valve 2E22-F012 complies with 10 CFR 50.49(i) (5) per paragraphs (b) and (d) on page M.5-2.79a of the Component Application Statement. The absence of entries for subparagraphs (1) through (4) of 59.49(i) means that these provisions do not apply as determined by the System Safety Analysis referenced in the opening paragraph of that page. The basic reference document QUAD 1-81-852 Volume I Section 2 on methodology and Section 6, which describes the Component Application Statements, provides additional details to clarify the referenced entries.

8502110040 850205
PDR ADOCK 05000373
P PDR

A048
1/1

February 5, 1985

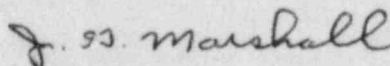
Please note that the LaSalle J10 is a "top down" effects analysis which delineates the equipment needed for safety functions during limiting accidents that create HARSH environments. From this effects analysis, the primary functional pathways through the six required safety gates have been identified. Alternate safety pathways through the same safety gates were also identified. Equipment which performed these safety functions was thus determined. Plant arrangement at LaSalle incorporated provisions to maintain the functional independence of these pathways. That is why the entries 10 CFR 50.49(i) (1) and (5) are so prominent in this conformance appraisal.

Equipment upgrade or replacement has been the primary method to obtain qualified equipment at LaSalle. Equipment upgrades have involved three to four years of testing. Full qualification of those items designated under 50.49(i) (2) is expected by November 30, 1985.

Regarding the Klockner Moeller MCC, the current test involves generic qualification of forty-four subparts: motor starters, control and overload relays, contactors and transformers. Radiation exposure tests are scheduled for this month. Thermal aging will follow, with cycle aging in mid-July, and DBA exposure in mid-August. The September 1985 completion date includes some contingency for minor delays. Prior material analyses and earlier test experience at Wyle Laboratories indicate a high probability of success for this qualification effort. Should a failure occur, brief recovery actions through subpart replacement are possible. This is considerably different than function loss of the entire MCC.

Should you need additional information concerning this matter, please contact this office.

Very truly yours,



J. G. Marshall
Nuclear Licensing Administrator

lm

cc: Dr. A. Bournia - via Federal Express
Resident Inspector LaSalle

Attachment

9732N

Attachment A

Environmental Qualification - Request for Extension
 LaSalle County Station, Unit 2

 Identification of Applications for Which an
 Extension is Requested

Limiterorque Valve Motor Operators Conformance to 10CFR50.49(i)

Equipment No.	Model No.	Reference *	(1)	(2)	(3)	(4)	(5)
2E22-F012	SB-0-25	M.5-2.79a					b,d
2E22-F001	SMB-00-25	M.5-2.81a	b				b,d
2E22-F015	SMB-2-60	M.5-2.83a	b			d	b,d
2E22-F011	SMB-3-60	M.5-2.85a	b			d	b,d
2E22-F010	SMB-4-100	M.5-2.87a	b			d	b,d
2E22-F023	SMB-4-150	M.5-2.89a	b			d	b,d
2E12-F003 A, B	SMB-1	M.5-1.99F	d			d	b,d
2E12-F004 A,B,C	SMB-00	M.5-1.99G					b,d
2E12-F006 A,B	SMB-0	M.5-1.99H					b,d
2E12-F011 A,B	SMB-000	M.5-1.99J					b,d
2E12-F021	SMB-3	M.5-1.99M				d	b,d
2E12-F024 A,B	SMB-3	M.5-1.99N				d	b,d
2E12-F026 A,B	SMB-000	M.5-1.99P	b				b,d
2E12-F027 A,B	SMB-000	M.5-1.99Q	b			d	b,d
2E12-F047 A,B	SMB-1	M.5-1.99t					b,d
2E12-F048 A,B	SMB-3	M.5-1.99u	b			d	b,d
2E12-F049 A,B	SMB-00	M.5-1.99v	b			d	b,d
2E12-F053 A	SMB-3	M.5-1.99x	b			d	b,d
2E12-F064 A,B,C	SMB-00	M.5-1.99y				d	b,d
2E12-F068 A,B	SMB-0	M.5-1.99z				d	b,d
2E12-F093	SMB-000	M.5-1.99ad					b,d
2E12-F094	SMB-000	M.5-1.99ae					b,d
2E21-F011	SMB-00	M.5-1.99ai				d	b,d
2E21-F012	SMB-3	M.5-1.99aj				d	b,d
2E32-F003A	SMB-000	M.5-1.99am	b				b,d
2E51-F010	SMB-000	M.5-1.99as	b				b,d
2E51-F031	SMB-000	M.5-1.99aw	b				b,d
2E51-F059	SMB-00	M.5-1.99az	b				b,d
2E51-F064	SMB-1	M.5-1.99ba					b,d
2E51-F068	SMB-00	M.5-1.99bb	b				b,d
2VP053 A,B	SMB-000	M.5-1.99bq	b			d	b,d
2VP063 A,B	SMB-000	M.5-1.99br	b			d	b,d
2VQ042	SMB-000	M.5-1.99cf	b			d	b,d
2VQ043	SMB-000	M.5-1.99cg	b			d	b,d

* Refer to LaSalle County Station Assessment to Justify Interim Operation, Quadrex Report No. QUAD-1-81-852, Rev. 3, Appendix F.

S&K Flow Element

Conformance to 10CFR.50.49(i)

Equipment No.	Model No.	Reference *	(1)	(2)	(3)	(4)	(5)
2E32-N006 A,E,J,N	20-9651-8550	M.5-2.43a	b				b,d

Delphi Hydrogen-Oxygen Analyzer Panel

Equipment No.	Model No.	Reference *					
2PL76J	K-IV	M.5-1.56a		d			b,d
2PL77J	K-IV	M.5-1.56a		d			b,d

Atomics International Hydrogen Recombiner

Equipment No.	Model No.	Reference *					
2HG01A	Part #N116000024-03	M.5-1.75a	b	d			b,d

Klockner - Moeller AC Motor Control Center

Equipment No.	Model No.	Reference *					
2AP71E	Series 170	M.5-1.4a	c	d			b,d
2AP75E	Series 170	M.5-1.4d	c	d			b,d
2AP76E	Series 170	M.5-1.4g	c	d			b,d
2AP78E	Series 170	M.5-1.4j	c	d			b,d
2AP82E	Series 170	M.5-1.4i	c	d			b,d
2AP83E	Series 170	M.5-1.4o	c	d			b,d

Magnetrol Level Switch

Equipment No.	Model No.	Reference *					
2C11-N013 A-D	5.0 - 751	M.5 - 2.26a				d	b,d
2E22-N001 A,B	5.0 - 751	M.5 - 2.26c	d				b,d
2E22-N002 A,B	5.0 - 751	M.5 - 2.26c	d				b,d

* Refer to LaSalle County Station Assessment to Justify Interim Operation, Quadrex Report No. QUAD-1-81-852, Rev. 3, Appendix F.

General Electric Terminal Board

Conformance to 10CFR50.49(i)

Equipment No.	Model No.	Reference *	(1)	(2)	(3)	(4)	(5)
2H22-P018	EB-5	M.5 - 2.71a				d	b,d
2H22-P021	EB-5	M.5 - 2.71a				d	b,d
2H22-P022	EB-5	M.5 - 2.71a				d	b,d
2H22-P024	EB-5	M.5 - 2.71a				d	b,d
2H22-P025	EB-5	M.5 - 2.71a				d	b,d
2H22-P026	EB-5	M.5 - 2.71a				d	b,d
2H22-P027	EB-5	M.5 - 2.71a				d	b,d
2H22-P030	EB-5	M.5 - 2.71a				d	b,d
2H22-P031	EB-5	M.5 - 2.71a				d	b,d
2H22-P032	EB-5	M.5 - 2.71a				d	b,d
2H22-P033	EB-5	M.5 - 2.71a				d	b,d
2H22-P041	EB-5	M.5 - 2.71a				d	b,d
2H22-P042	EB-5	M.5 - 2.71a				d	b,d
2H22-P055	EB-5	M.5 - 2.71a				d	b,d
2PL32J	EB-5	M.5 - 1.105a	b			d	b,d
2PL33J	EB-5	M.5 - 1.105b	b			d	b,d
2PL34J	EB-5	M.5 - 1.105c	b			d	b,d
2PL35J	EB-5	M.5 - 1.105d	b			d	b,d

* Refer to LaSalle County Station Assessment to Justify Interim Operation, Quadrex Report No. QUAD-1-81-852, Rev. 3, Appendix F.