

SAFETY EVALUATION REPORT

LASALLE COUNTY STATION UNIT 2

In a letter dated March 18, 1983 from C.W. Schroeder to the Director NRR, Commonwealth Edison Company discussed the applicability to LaSalle Unit 2 of license conditions which are currently in place for LaSalle Unit 1. We have reviewed these license conditions and our position on each with regard to LaSalle Unit 2 is provided.

Unit 1

Condition 2.C.(17) Pressure Interlocks on Valves Interfacing at Low and High Pressure (Section 6.3.4, SER #2)

Prior to startup after the first refueling outage, the licensee shall implement isolation protection in conformance to the requirements of Section 6.3 of the Standard Review Plan against over-pressurization of the low pressure emergency core cooling systems (RHR/LPCI and LPCS) at the high and low pressure interface containing a check valve and a closed motor-operated valve.

Position on Unit 2 The licensee has indicated that an acceptable design modification will be installed prior to the issuance of the Unit 2 license. We therefore conclude that this license condition is not required for Unit 2 provided that the licensee verifies that the isolation protection modification is completed prior to issuance of the Unit 2 license.

Condition 2.C.(30).(j) Proper Functioning of Heat Removal Systems
(II.K.1.22, SER, SSER #2, and II.K.3.13,
SER, SSER #2)

The license shall implement the logic to restart automatically the core isolation cooling system prior to startup after the first refueling outage.

Position on Unit 2 The licensee has stated that the required modification has been installed on Unit 2. This condition is therefore not required for Unit 2.

Condition 2.C.(30).(k) Modify Break Detection Logic to Prevent
Spurious Isolation of High Pressure
Coolant Injection and Reactor Core
Isolation Cooling System (II.K.3.15, SER
SSER #2)

Prior to startup after the first refueling outage, the licensee shall implement a circuit modification to assure that transients monitored by pressure instruments to sense flow in these two systems actually sense continuous high steam flow.

Position on Unit 2 The licensee has stated that the required modification has been installed on Unit 2. This condition is therefore not required for Unit 2.

Condition 2.C.(30).(l) Modification of Automatic Depressurization System Logic - Feasibility for Increased Diversity for Some Event Sequences (II.K.3.18, SER, SSER #1, SSER #3)

- (a) By October 1982, the licensee shall evaluate the alternative design modifications of the BWR Owners Group relative to the logic for the automatic depressurization systems, submit such evaluation, and propose modification to NRC for review and approval.
- (b) Prior to startup after the first refueling outage, the licensee shall implement the approved alternative logic modification of the automatic depressurization system.

Position on Unit 2 The staff evaluation on this item is provided in a memo from R.W. Houston to T. Novak: "Modification of ADS Logic For LaSalle; Action Plan Item II.K.3.18", dated April 4, 1983. Part (b) of this license condition should be applied to Unit 2.

Condition 2.C.(30).(m) Restart of Core Spray and Low Pressure Core Injection System (II.K.3.21, SER, SSER #2)

Prior to startup after the first refueling outage, the licensee shall provide an auto start for the high pressure core spray.

Position on Unit 2 The licensee has stated that this modification has been installed on Unit 2. This condition is therefore not required on Unit 2.

Condition 2.C.(30).(n) Automatic Switchover of Reactor Core Isolation Cooling System Suction - Verify Procedures and Modify Design (II.K.3.22, SER)

Prior to startup after the first refueling outage, the licensee shall implement the automatic switchover of the reactor core isolation cooling system suction from the condensate storage tank to the suppression pool when the condensate storage tank is low.

Position on Unit 2 The licensee has stated that this modification has been installed on Unit 2. This condition is therefore not required on Unit 2.

Condition 2.C.(34) Through the First Fuel Cycle of Plant Operation, Technical Specification 3.4.1.1 is Modified for One Recirculation Loop out of Service with Provisions

- (a) The steady-state thermal power level will not exceed 50 percent of rated power.

- (b) The minimum critical power ratio (MCPR) safety limit will be increased by 0.01 to 1.07.

- (c) The minimum critical power ratio limiting condition for operation (LCO) will be increased by 0.01.

- (d) The maximum average planar linear heat generation rate (MAPLHGR) limit will be reduced to 85 percent of its normal value.

- (e) Technical Specification Setpoints shall read as follows:
 - T.S.2.2.1 S 0.66W + 45.7 (Trip Setpoint)
 S 0.66W + 48.7 (Allowable)

 - T.S.3.2.2 S (0.66W + 45.7) T*
 SRB (0.66W + 36.7) T*
 T* as defined in T.S.3.2.2

 - T.S.3.2.6 APRM Upscale 0.66W + 36.7 (Trip Setpoint)
 APRM Upscale 0.66W + 39.7 (Allowable)
 RBM Upscale 0.66W + 34.7 (Trip Setpoint)
 RBM Upscale 0.66W + 37.7 (Allowable)

- (f) The average power range monitor (APRM) flux noise will be measured once per shift; and the recirculation loop flow will be reduced if the flux noise averaged over 1/2 hour exceeds 5 percent peak to peak, as measured by the APRM chart recorder.

- (g) The core plate delta P noise will be measured once per shift, and the recirculation loop flow will be reduced if the noise exceeds one (1) psi peak-to-peak.

Position on Unit 2 The licensee has requested that this license condition be included in the Unit 2 license. Since Units 1 & 2 are identical for LaSalle, our evaluation of single loop operation for Unit 1 provided by memorandum dated December 14, 1982 from T. P. Speis to T. Novak "Safety Evaluation of LaSalle County Station Unit 1, Single Loop Operation" is applicable. The above license condition may therefore be applied to Unit 2.

Summary

We have reviewed the licensee's proposal regarding the applicability of LaSalle Unit 1 license conditions to LaSalle Unit 2, and conclude, as discussed above, that they are acceptable.