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ENGINEERING AND RESEARCH DEPARTMENT

SEP 10 1984

Mr. A. Schwencer, Chief
Licensing Branch No. 2
U. S. Nuclear Regulatory Commission
Washington, DC 20555

SUBJECT: Limerick Generating Station
Docket Nos. 50-352 and 50-353
Process Computer Preoperational Tests

REF: J. S. Kemper to A. Schwencer
letter dated July 17, 1984

FILE: GOVT 1-1 (NRC)

Dear Mr. Schwencer:

In the reference letter, PECo requested approval to defer the completion of certain Preoperational Tests until after fuel load. After closer examination of the content and purpose of Preoperational Test P31.1, Process Computer System, we have concluded that these testing activities would be properly classified as part of our Acceptance Test program. We therefore intend to modify Tables 14.2-1 and 14.2-4 of the FSAR to delete P31.1 from the Preoperational Test Program.

It should be noted that the P31.1 test procedures will be used to conduct all of the computer Acceptance Tests. The substance of this change in test classification is that the test results will be reviewed by the cognizant PECo computer engineer and the Plant Operations Review Committee in lieu of the Preoperational Test Review Board.

All portions of the computer system which are associated with monitoring reactivity control systems will be tested and verified operational prior to fuel load. The Rod Worth Minimizer program is tested as part of Preoperational Test P56.1B to satisfy Regulatory Guide 1.68, App. A, Section 1.b.(1). The core performance software will be tested during the Power Ascension Program by test STP-13 in accordance with Regulatory Guide 1.68, App. A, Section 5.r.

B001
1/1

We believe that the testing program described above for the Process Computer meets and exceeds all regulatory requirements and that it will allow confirmation of the proper operation of the Process Computer in a timely manner.

The attached draft FSAR page changes will be incorporated into the FSAR, exactly as they appear in the attachments, in the revision scheduled for October, 1984.

Sincerely,

John S Kemper

EPS/1a
1a8784m135
Attachment
Copy to: See Attached Service List
J. Wiggins NRC-Limerick

cc: Judge Lawrence Brenner (w/enclosure)
Judge Peter A. Morris (w/enclosure)
Judge Richard F. Cole (w/enclosure)
Troy B. Conner, Jr., Esq. (w/enclosure)
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Atomic Safety & Licensing Appeal Board (w/enclosure)
Atomic Safety & Licensing Board Panel (w/enclosure)
Docket & Service Section (w/enclosure)
Mr. James Wiggins (w/enclosure)
Mr. Timothy R. S. Campbell (w/enclosure)

DRAFT

TABLE 14.2-1 (Cont'd) (Page 2 of 4)

TEST NUMBER	TEST TITLE
P-30.2(1)	Control Enclosure Chilled Water System
P-31.1	Computer System DELETE
P-32.1(1)	Control Room HVAC System
P-32.2	Control Room Isolation and Purge
P-33.1	Turbine Enclosure HVAC System
P-34.1	Reactor Enclosure HVAC System
P-34.2	Refueling Area HVAC System
P-35.1	Fuel Pool Cooling/Cleanup System
P-37.1	Demineralized Water Transfer System
P-39.1	Condensate Demineralizer System
P-41.1	Cooling Tower System
P-42.1	Circulating Water System
P-43.1	Condenser and Air Removal System
P-44.1	Condensate System
P-45.1	Feedwater System
P-46.1	Extraction Steam and Feedwater Heater Systems
P-49.1	Residual Heat Removal System
P-50.1	Reactor Core Isolation Cooling System
P-51.1	Core Spray System
P-52.1	High-Pressure Coolant Injection System
P-53.1	Standby Liquid Control System
P-54.1	Emergency Service Water System
P-55.1	Control Rod Drive Hydraulic System
P-56.1	Reactor Manual Control System

b. System water chillers operate properly. (Section 9.2.10.2)

c. Flow is verified to each system component. (Section 9.2.10.2)

d. System alarms operate properly. (Section 9.2.10.2)

(P-31.1) Computer System

Delete

Unit Scope

a. 1P-31.1 (Unit 1 system components)

b. 2P-31.1 (Unit 2 system components)

Test Objective - The test objective is to demonstrate the proper operation of computer input/output logic.

Prerequisites - To the extent necessary for performance of this test, construction is completed, and instrumentation and controls are operable and calibrated. The computer hardware is calibrated, and software is debugged.

Test Method - Input signals to the computer are either transmitted by installed instrumentation or are simulated.

Acceptance Criteria

a. Computer outputs operate properly. (Vendor Test Specification)

b. Computer peripheral hardware operate properly. (Vendor Test Specification)

(P-32.1) Control Room HVAC System

Unit Scope

a. 1P-32.2 (Common system components)

Test Objective - The test objective is to demonstrate the capability of the control room HVAC system to provide air flow and temperature control in the control room by simulated room temperature variations.