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Testimony of

GEORGE E. LIEBLER

Relating to

Question C of ALAB-537



1 My name is George E. Liebler. I am Manager, Power Resources
2 Nuclear Services. The Nuclear Services staff of the Power Resources Depart-
3 ment furnishes technical support to the Manager of Power Resources - Nuclear
4 in those areas of technical expertise that are unique to nuclear power plants.
5 This support is designed to assure, among other things, that the plants are
6 operated in full compliance with their operating licenses. A resume of my
7 educational and professional qualifications is attached to this testimony and
8 incorporated herein by reference.

9 Question C states:

10 According to the staff, the applicant is being required to define
11 conditions in which it will put its power distribution system in
12 an "alert status." 30/ At such times, loss of offsite power
13 would presumably be more likely than normal. We wish to be
14 advised as to the existence of measures that might be taken to
15 assure, or at least to increase, the reliability of the onsite
16 power systems during an "alert status" period.

17 30/ Fitzpatrick Affidavit of June 12, 1978, Enclosure 3.

18 At the outset it is important to note that, while the Board's
19 question might be read as implying that the reliability of the offsite power
20 system is necessarily degraded during an alert condition, the steps taken
21 during an alert status actually serve to protect the grid and furnish continued
22 assurance that offsite power will be available.

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1 The most effective measure which might be taken to increase the
2 reliability of the onsite power system during an "alert status" period
3 would be to idle start the diesel engines and run them for a short period
4 of time. This would serve to verify the availability of the diesel start
5 systems, auxiliaries, and the engines themselves by actual operation.
6 However, it is important to note that the entire onsite power system,
7 including the diesels, is subjected to routine surveillance testing and
8 inspections so that their availability is assured at all times that they
9 might be called upon to operate. Thus, any improvement in reliability gained
10 from additional testing would not be expected to be significant.

GEORGE E. LIEBLER
Resume of Educational
and
Professional Qualifications

1 My name is George E. Liebler. My business address is P. O. Box
2 529100, Miami, Florida. I am Manager, Power Resources Nuclear Services,
3 and have served in that capacity since 1978.

4 I graduated from Rensselaer Polytechnic Institute in 1938 with a
5 Bachelor of Science degree in Electrical Engineering. In 1966 and 1967 I
6 completed courses in Nuclear Engineering and Advanced Nuclear Technology
7 conducted by University of Florida, and the Nuclear Power Reactor Safety
8 course at the Massachusetts Institute of Technology. I have also attended
9 the Westinghouse Reactor Operation Training Program and Design Lecture Series.

10 I am a Registered Professional Engineer in Florida and a member of
11 the American Society of Mechanical Engineers, American Nuclear Society,
12 Institute of Electrical and Electronics Engineers and the National Society
13 of Professional Engineers.

14 In 1939 I joined the Florida Power & Light Company (FPL) as Fireman
15 and Watch Engineer at the Bradenton Plant. From 1946 to 1967 I worked in
16 various positions, including Plant Superintendent, at the Miami Beach, Palatka
17 and Port Everglades Plants.

18 From 1967 to 1972 I worked as Coordinating Engineer in the Production
19 Department. While in that position I participated in the hot functional test-
20 ing and startup of the Ginna Nuclear Plant and, as Acting Plant Superintendent,
21 was responsible for the startup of Turkey Point Unit 3.

22 In 1973 I became Power Resources Supervisor - Nuclear and, in
23 1978, assumed my present position as Manager, Power Resources Nuclear Services.