



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

February 12, 1980

Docket No. 50-302

Mr. J. A. Hancock  
Director, Nuclear Operations  
Florida Power Corporation  
P. O. Box 14042, Mail Stop C-4  
St. Petersburg, Florida 33733

Dear Mr. Hancock:

In order for the NRC staff to develop guidance to enable licensees to carry out the recommendations identified in Section 7.1 of the "TMI-2-Lessons Learned Task Force Final Report" (NUREG-0585), Crystal River Unit No. 3 has been selected as one of eight operating nuclear plant control rooms to be surveyed by the staff. The eight plant survey is designed solely to collect data to develop guidance for licensees. The staff guidance is being developed to assist licensees in identifying human factors considerations that could be implemented to improve nuclear power plant operator capabilities.

The objectives of this survey are to formulate guidance by which a licensee should evaluate the following:

- (1) The adequacy of information presented to the operator to reflect plant status for normal operation, anticipated operational occurrences, and accident conditions.
- (2) The grouping of displays and the layout of panels.
- (3) Improvements in the safety monitoring and human factors enhancement of controls and control displays.
- (4) The communication from the control room to points outside the control room, such as the on-site Technical Support Center. (This communication link must also be coordinated with new requirements for transmission of plant systems data to NRC.)
- (5) The use of direct rather than derived signals for the presentation of process and safety information to the operator.
- (6) The operability of the plant from the control room with multiple failures of non-safety-grade and non-seismic systems and control room systems.

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- (7) The adequacy of operating procedures and operator training with respect to limitations of instrumentation displays in the control room.
- (8) The categorization of alarms, with unique definition of safety alarms.

To assist the staff in the preparation of these guidelines your cooperation is needed in the following way:

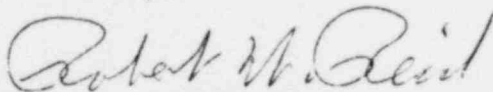
- (1) Admittance for 4-6 people to the Crystal River Unit No. 3 control room for 2-3 days.
- (2) Qualified control room operator to assist the staff for the duration of the visit.
- (3) Permission to use video and audio recording and photographic equipment in the control room.
- (4) Access to copies of all procedures used in control room operations.
- (5) A briefing and debriefing with the plant manager.

It would also be helpful to the staff if representatives of the Architect Engineer and the NSSS supplier were made available for approximately one half day sometime during the staff visit.

As previously discussed with Ms. Patsy Baynard, we expect to be at the Crystal River Unit No. 3 security gate at 9:00 a.m. on February 13, 1980. The visiting team will consist of members of the NRC staff and its consultant, the Essex Corporation. A list which is inclusive of the names of the visiting personnel is enclosed for your information. The personnel from this list to be present at the control room visit will be sent the week prior to our visit.

Please feel free to telephone Mr. Mort Fairtile on (301) 492-7435 if additional information is required related to the control room visit. Your cooperation in this important project is appreciated.

Sincerely,



Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

Enclosure:  
List of Site Visitors

cc w/enclosure: See next page

Florida Power Corporation

cc w/enclosure(s):

Mr. S. A. Brandimore  
Vice President and General Counsel  
P. O. Box 14042  
St. Petersburg, Florida 33733

Mr. Wilbur Langely, Chairman  
Board of County Commissioners  
Citrus County  
Iverness, Florida 36250

U. S. Environmental Protection Agency  
Region IV Office  
ATTN: EIS COORDINATOR  
345 Courtland Street, N.F.  
Atlanta, Georgia 30308

Director, Technical Assessment  
Division  
Office of Radiation Programs  
(AW-459)  
U. S. Environmental Protection Agency  
Crystal Mall #2  
Arlington, Virginia 20460

Crystal River Public Library  
Crystal River, Florida 32629

Mr. J. Shreve  
The Public Counsel  
Room 4 Holland Bldg.  
Tallahassee, Florida 32304

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Department of Environmental Regulation  
Power Plant Siting Section  
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2562 Executive Center Circle, E.  
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Attorney General  
Department of Legal Affairs  
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Mr. Robert B. Borsum  
Babcock & Wilcox  
Nuclear Power Generation Division  
Suite 420, 7735 Old Georgetown Road  
Bethesda, Maryland 20014

Essex Corporation  
333 North Fairfax Street  
Alexandria, Virginia 22314  
Attn: T. B. Malone

CONTROL ROOM DESIGN SURVEYS  
LIST OF SITE VISITORS AND IDENTIFICATION NUMBER

1. ESSEX CORPORATION

• Robin Walker	263-96-2774
• Kenneth Mallory	223-54-2477
• Thomas Malone	221-22-5970
• Clifford Baker	215-66-2745
• Mark Kirkpatrick	372-36-2708
• Nicholas Shields	131-70-4359
• Kenneth Turner	420-70-4359

2. UNITED STATES NUCLEAR REGULATORY COMMISSION

• Leo Beltracchi	111-24-8200
• Rodney Satterfield	415-62-5031
• Dino Scaletti	003-24-6143
• Raymond Ramirez	290-24-7803