



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

JUNE 29 1979

ALL POWER REACTOR LICENSEES

Gentlemen:

As one of the results of the recent Three Mile Island-2 accident, the NRC staff is conducting an overall review and evaluation of the management and technical resources available to utilities who own and operate nuclear power plants to handle unusual events of that type. The information required to perform this effort on your utility is identified in the enclosure.

You are requested to submit the information appropriate to your utility by July 30, 1979. If you cannot meet this date, please advise us promptly.

Should you have any questions relative to this request, please contact Mr. Walter P. Haass, Chief, Quality Assurance Branch, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission at (301) 492-7741.

Sincerely,

A handwritten signature in cursive script that reads "Harold R. Denton".

Harold R. Denton, Director  
Office of Nuclear Reactor Regulation

Enclosure:  
Information Required to Review  
Corporate Capabilities

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## Information Required to Review Corporate Capabilities

As a result of the Three Mile Island-2 accident, the NRC staff is conducting a comprehensive review of the technical and management resources you have available to anticipate and preclude or respond to unusual events of that type. In order to perform this review, we require specific and detailed information that describes the capability of your management and technical staffs. If you depend in whole or in part for technical support for your nuclear power plant(s) upon a subsidiary, wholly or partially owned service company, holding company, or other outside company(s) for which contractual relationships or arrangements exist, describe the type and extent of such support from that company, its availability (such as work order or phone call), and who has the authority to allocate its resources. For contractual arrangements, indicate the duration of the contract. Provide the following information about your total personnel resources including, where applicable, those other companies indicated above, other than outside company(s) for which contractual support has been arranged. For those utilities that have more than one nuclear power plant, a single response that discusses all available resources is satisfactory.

### I. Management Resources (Offsite)

- A. Provide an organizational chart showing each position for which the capabilities of the person filling the position are such that you could depend upon the individual to provide experienced management functions in the event of an accident. The persons filling these positions would provide management functions, at a senior level, in the areas of engineering management; logistics support; coordination of activities with local, state, and Federal agencies; communication networks; and overall accident response coordination. As further guidance in your selection of positions to show in the chart, the persons filling these positions should have the capability, authority, and responsibility to allocate, on a company wide basis, the company's resources in their respective areas of responsibility, as needed.
- B. Briefly describe the functions, responsibilities, and authority associated with each of these positions.
- C. Briefly describe the educational and experience background for the incumbent for each of the designated positions.

Table 1 may be used for guidance in submitting the information requested in B and C above.

"Approved by GAO, B-180225 (R0072), clearance expires 7-31-80. Approval was given under a blanket clearance, specifically for identified generic problems."

## II. Technical Resources

### A. Plant Staff

Describe the professional level technical resources available on your plant staff. The resources should cover all persons encompassed by the ANSI N18.1 categories of "Managers" and "Professional-Technical" and graduate engineers assigned to the plant staff. Other personnel may be included if you believe their level of expertise will be useful in performing necessary and unique functions for unusual events like the TMI-2 accident. This should be provided by notation on a plant staff organizational chart showing each position that would fall into these categories, the position title, and a brief description of the functions of the position. In addition, provide the following information for each of the individuals assigned to these positions:

1. Briefly describe educational background indicating formal education and training.
2. Briefly describe applicable work experience in the particular field, with emphasis on nuclear reactor related experience, including a breakdown of the experience by reactor types, including U.S. Navy nuclear power plants, BWR's, and PWR's by vendors.
3. Any other information you believe may be pertinent, including any NRC licenses held or formerly held.

Table 1 may be used for guidance in submitting this information.

### B. Offsite (Nonplant staff)

Describe the technical resources available in the event of an accident, including those from a subsidiary, wholly or partially owned service company, or holding company, where applicable. The following information should be provided:

1. Provide an organizational chart showing each offsite functional unit and subunit that now provides, and could provide, engineering-professional-technical support for your plant staff in the areas of:
  - a. Nuclear power plant operations.
  - b. Nuclear, mechanical, structural, electrical, thermal-hydraulic, metallurgical and materials, instrumentation and controls, and systems engineering.
  - c. Plant chemistry and radiochemistry.

- d. Health physics.
- e. Nuclear fuels.
- f. Maintenance engineering.

Briefly describe the functions and responsibilities of each unit and subunit and indicate the number of professional-technical persons within each unit and subunit, including managers and supervisors. Other personnel may be included if you believe their level of expertise will be useful in performing necessary and unique functions for unusual events like the TMI-2 accident.

The organizational chart should indicate whether the present nuclear plant(s) technical support assignment for each unit and subunit is on the basis of full-time (F), part-time (P), or not assigned at all (N) but could be made available.

2. Provide the following summary information for the professional-technical personnel within each unit and subunit identified in 1 above in tabular form:
  - a. Educational background.
  - b. Applicable work experience in the particular field.
  - c. Any other information you believe may be pertinent, including any NRC licenses held or formerly held.

Table 2 may be used as guidance in submitting this information.

Attachments:

1. Table 1 - Management and Technical Resources
2. Table 2 - Technical Staff (Offsite)

TABLE 1

Management and Technical Resources

A. Management Positions

1.

A. Functions, responsibilities,  
and authority

B. Educational background.

C. Experience

(1) Nuclear

(a) Directly-related\*

(b) Other

(2) Other

2.

A.

B.

C.

B. Plant Staff Positions

1. (Position)

A. Educational background

B. Experience

(1) Nuclear

(a) Directly-related\*

(b) Other

(2) Other

2. (Position)

A.

B.

3. (Position)

etc.

\*Directly-related nuclear experience is defined as that experience judged useful in performing necessary and unique functions for unusual events like the TMI-2 accident

TABLE 2

Total or subtotal by subunit

Technical Staff (Offsite)

	Title of Subunit (General Engineering)	Title of Subunit (Mgr. Maintenance)	Title of Subunit (Project Mgr.-Nuclear)	Title of Subunit
1. Total number (Managers, Engineers, and Professional Personnel)				
2. By education background, e.g. - B.S. Nuclear Engineering B.S. Electrical Engineering ↓ M.S. as indicated				
3. Technical Experience (in man-years)				
a. Engineering				
(1) Nuclear Power Field				
(2) Engineering Management				
(3) Total Utility Experience				
*b. Field				
(1) Reactor Physics	F	N		
(2) Electrical Engineering				
(3) Health Physics				
↓ Others as applicable				

\*Specify whether experience is (F) - full time nuclear experience, (N) - non-nuclear experience.

Mr. Duane Arnold  
Iowa Electric Light & Power Company

50-331

cc:

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