

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

FEB 28 1980

ALL POWER REACTOR LICENSEES

Gentlemen:

We have reviewed the information you submitted in response to our June 29, 1979, letter relative to the management and technical resources available to your facility. From this review, we found that additional information is required to complete the evaluation of your resources. The information required for completion of this effort is identified in the enclosure.

A representative of Teknekron Research, Inc. (the contractor assisting the NRC with this program) will be contacting you by telephone to request the information. Please provide the information concerning your utility to this representative. If the information is determined to contain facts of a type specified in 10 CFR 2.790(d) and consequently deemed to be commercial or financial information within the meaning of 10 CFR 9.5(a)(4), it shall be subject to disclosure only in accordance with the provisions of 10 CFR 9.12.

Should you have any questions relative to this request, please contact Mr. Lawrence P. Crocker of the Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission at (301) 492-7822.

Sincerely,



Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Enclosure:
Information Required to
Review Corporate Capabilities

8004040

464

TABLE 1

Indicate whether your onsite short-term management meets each qualification listed below. (Short-term is defined as from time of accident until one hour following it.)

| ON-SITE SHORT TERM MANAGEMENT | Plant Manager | All Shift Supervisors |
|--|------------------|--------------------------|
| <ul style="list-style-type: none">• B.S. in Engineering• 2 yrs of operating experience at a nuclear power plant• 1 yr experience at the specific plant• An NRC Senior Operator's License• 4 yrs supervisory experience | | |

TABLE 2

State whether your current plant staff includes at least one individual with the qualifications listed for each position or area of expertise.

| Position/Area of Expertise | Yes/No |
|---|--------|
| Reactor Engineer <ul style="list-style-type: none"> - B.S. in Engineering or Science - Minimum of 5 years total experience - Minimum 1 year nuclear operations (including 6 months onsite) - Six months reactor transient analysis - Simulator training | |
| Thermal Hydraulics Specialist <ul style="list-style-type: none"> - B.S. in Engineering or Science - Minimum of 5 years total experience - Minimum 1 year nuclear operations (including 6 months onsite) - Six months of hydraulics transient analysis - Simulator training | |
| Instrumentation and Control Engineer <ul style="list-style-type: none"> - B.S. in Engineering or Science - Minimum of 5 years total experience - Minimum 1 year nuclear operations (including 6 months onsite) - Simulator training | |
| Chemistry and Radiochemistry <ul style="list-style-type: none"> - B.S. in Engineering or Science - Minimum of 5 years total experience - Minimum of 1 year nuclear operations (including 6 months onsite) - Simulator training | |

TABLE 2 (continued)

| Position/Area of Expertise | Yes/No |
|--|--------|
| Radiation Protection Specialist <ul style="list-style-type: none"> - Associate degree or equivalent - Minimum of 3 years total experience - Minimum of 1 year nuclear operations - Simulator training | |
| Mechanical Engineering <ul style="list-style-type: none"> - B.S. in Engineering - Minimum of 5 years total experience - 1 year in operations - 6 months in hydraulic transient design - Simulator training | |
| Overall Plant Design and Engineering <ul style="list-style-type: none"> - B.S. in Science or Engineering - Minimum of 10 years total experience - 5 years of operations - Simulator training | |
| Plant or Unit Manager <ul style="list-style-type: none"> - B.S. in Engineering or Science - Minimum of 10 years total experience - Minimum of 3 years in a key position in nuclear operating plant - Minimum of 4 years supervising experience - Qualify for, hold, or held RO or SRO | |
| Operations Manager <ul style="list-style-type: none"> - B.S. in Engineering or Science - Minimum of 8 years total experience - Minimum of 3 years nuclear operating plant <ul style="list-style-type: none"> - Two years in a supervising role - Hold an SRO license | |
| Technical Manager <ul style="list-style-type: none"> - B.S. in Engineering or Science - Minimum of 8 years total experience - Minimum of 3 years nuclear operating plant <ul style="list-style-type: none"> - Two year in a supervisory role | |

TABLE 3

State whether your present offsite staff includes at least one individual with the listed qualifications for each position or area of expertise below.

| Position/Area of Expertise | Yes/No |
|--|--------|
| <p>Engineering Support Manager</p> <ul style="list-style-type: none">- B.S. in Science or Engineering- Minimum of 10 years total experience- Minimum of 5 years nuclear power experience | |
| <p>Transient Analyses</p> <ul style="list-style-type: none">- B.S. in Science or Engineering- Minimum of 10 years total experience- Minimum of 5 years nuclear power experience- Simulator training | |
| <p>Nuclear Fuel Characteristics and Management</p> <ul style="list-style-type: none">- B.S. in Science or Engineering- Minimum of 10 years total experience- Minimum of 5 years nuclear power experience | |

TABLE 3 (Continued)

| Position/Area of Expertise | Yes/No |
|--|--------|
| Reactor Physics Design and Control Theory <ul style="list-style-type: none"> - B.S. in Engineering or Science - Minimum of 10 years total experience - Minimum of 5 years nuclear power experience <ul style="list-style-type: none"> - 3 years in design | |
| Electrical Power Systems <ul style="list-style-type: none"> - B.S. in Electrical Engineering - Minimum of 5 years total experience - Minimum of 3 years nuclear power experience <ul style="list-style-type: none"> - 5 years in design - 5 years in operation | |
| Process Computers <ul style="list-style-type: none"> - B.S. in Computer Science - Minimum of 5 years total experience - Minimum of 3 years nuclear power experience | |
| Instrumentation and Control Systems <ul style="list-style-type: none"> - B.S. in Electrical Engineering - Minimum of 6 years total experience - Minimum of 4 years nuclear power experience <ul style="list-style-type: none"> - 2 years in design | |

TABLE 3 (Continued)

| Position/Area of Expertise | Yes/No |
|---|--------|
| <p>Fire Protection</p> <ul style="list-style-type: none"> - 1 year specific training in Fire Science - Minimum of 5 years total experience - Minimum of 2 years nuclear power experience | |
| <p>Engineering Mechanics of Power Plant Systems and Components</p> <ul style="list-style-type: none"> - B.S. in Mechanical Engineering - Minimum of 6 years total experience - Minimum of 3 years nuclear power experience - 6 years in design | |
| <p>Plant Structure and Containment Design</p> <ul style="list-style-type: none"> - B.S. in Mechanical or Civil Engineering or equivalent - Minimum of 5 years total experience - Minimum of 4 years nuclear power experience | |
| <p>Chemistry and Radiochemistry</p> <ul style="list-style-type: none"> - B.S. in Chemistry or Equivalent - 1 year Radiochemistry - Minimum of 5 years total experience - Minimum of 3 years nuclear power experience | |
| <p>Radiation Control and Health Physics</p> <ul style="list-style-type: none"> - B.S. in Science or Engineering or Equivalent - 1 year specialized training - Minimum of 4 years total experience - Minimum of 3 years nuclear power experience | |

TABLE 3 (Continued)

| Position | Yes/No |
|---|--------|
| <p>Radioactive Waste Management</p> <ul style="list-style-type: none"> - B.S. in Chemical Engineering or Equivalent - 1 year specialized training - Minimum of 5 years total experience - Minimum of 4 years nuclear power experience | |

DO YOUR ADVANCED PLANNING, PREPARATION, AND PROCEDURES
INCLUDE THE FOLLOWING AREAS

| Required Areas for Special Procedures | Yes/No |
|---|--------|
| <p>ORGANIZATION</p> <ul style="list-style-type: none"> • Exists and can be promptly activated • Has direct access to support services • Organizational roles defined and approved | |
| <p>COMMUNICATIONS</p> <ul style="list-style-type: none"> • Voice link between onsite/offsite resource (Dedicated line) • Data link between onsite/offsite resources • Redundant communication capabilities • Mobile communications availability • Communication general accessibility • Communication network testing | |
| <p>SUPPORT SERVICES</p> <ul style="list-style-type: none"> • Designated work areas for resources (Review group especially) • Back up resources (onsite personnel, communications) | |
| <p>RESOURCE UTILIZATION PROCEDURES</p> <ul style="list-style-type: none"> • Procedures assuring availability of resources • Procedures assuring assignment of resources | |
| <p>ACCIDENT DIAGNOSIS AND MITIGATION</p> <ul style="list-style-type: none"> • Organization of accident D&M team (offsite) • Selection, training, testing, duties | |