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 AUTH. NAME AUTHOR AFFILIATION  
 DISE, D.P. Niagara Mohawk Power Corp.  
 RECIP. NAME: RECIPIENT AFFILIATION  
 EISENHUT, D.G. Division of Licensing

SUBJECT: Forwards conceptual design info for emergency response facility, per TMI Action Plan Item III.A.1.2 re upgrade emergency support facilities.

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 TITLE: Response to NUREG-0737/NUREG-0660 TMI Action Plan Rgmts (OL's)

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JUN 18 1981

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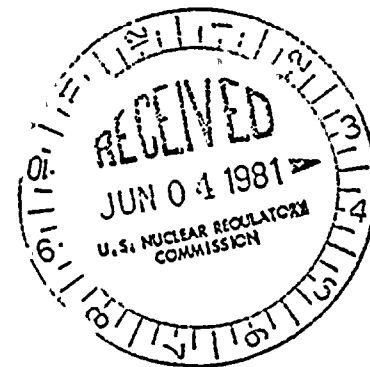
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# NIAGARA MOHAWK

NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

June 1, 1981



Mr. Darrell G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Re: Nine Mile Point Unit 1  
Docket No. 50-220  
DPR-63

Dear Mr. Eisenhut:

Your letter of February 18, 1981 requested licensees provide conceptual design information for emergency response facilities required for TMI action plan Item III.A.1.2, Upgrade Emergency Support Facilities. The attached information addresses your request.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

Donald P. Dise  
Vice President Engineering

PEF/dis  
Enclosure

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NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT UNIT 1

DOCKET NO. 50-220

DPR-63

TMI ACTION PLAN ITEM NO. III. A.1.2

UPGRADE EMERGENCY SUPPORT FACILITIES

POSITION

Each operating nuclear power plant shall maintain an onsite technical support center (TSC) separate from and in close proximity to the control room that has the capability to display and transmit plant status to those individuals who are knowledgeable of and responsible for engineering and management support of reactor operations in the event of an accident. The center shall be habitable to the same degree as the control room for postulated accident conditions. The licensee shall revise his emergency plans as necessary to incorporate the role and location of the TSC. Records that pertain to the as-built conditions and layout of structures, systems, and components shall be readily available to personnel in the TSC.

An operational support center (OSC) shall be established separate from the control room and other emergency response facilities as a place where operations support personnel can assemble and report in an emergency situation to receive instructions from the operating staff. Communications shall be provided between the OSC, TSC, EOF, and control room.

An emergency operations facility (EOF) will be operated by the licensee for continued evaluation and coordination of all licensee activities related to an emergency having or potentially having environmental consequences.

RESPONSE

Our letter dated December 30, 1980 to Mr. H. R. Denton transmitted the Nine Mile Point Nuclear Station site emergency plan. The site emergency plan provides a description of the Technical Support Center (TSC) and the Emergency Operations Facility (EOF) for Nine Mile Point Unit 1. The TSC and EOF described therein and in our letter dated December 31, 1979 will be utilized to meet the longterm requirements for emergency response facilities. As outlined in our letter of April 1, 1981, the upgraded facilities shall be operational by October 1, 1982.

Technical Support Center

The TSC is located in the Training Room in the Administration Building at elevation 277 feet. The layout of the TSC and its proximity to the control room is shown in the attached figure. The TSC will be habitable to the same degree as the control room for postulated accident conditions. Although the TSC does not meet the minimum size criteria outlined in NUREG-0696, Functional Criteria for Emergency Response Facilities, sufficient space is provided for the TSC staff to perform technical support activities.



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The task functions of the individuals required to report to the TSC upon activation are outlined in the site emergency plan.

Plant parameters will be provided to the TSC through output from the plant process computer and a color camera with focus, zoom and pan and tilt control installed in the control room. The information provided by the plant process computer will be the same as that provided in the control room process computer terminal. Information can also be displayed on demand by the members of the TSC staff.

A new plant process computer was installed at Nine Mile Point Unit 1 during the spring 1981 refueling and maintenance outage. This computer is a Honeywell 4400 system with both hard copy and colorgraphics video display capability.

In addition to the plant parameter data supplied to the TSC, meteorological information will also be provided to perform dose assessment calculations prior to activation of the EOF.

The TSC instrumentation (i.e. plant process computer data display system, color camera monitor, etc.) will have a backup power source.

The document control facility is located in close proximity to the TSC (see attached figure). This facility can provide any permanent plant record, as described in ANSI N45.2.9-1974, including as built drawings. The TSC and/or the document control facility have copies of the Nine Mile Point Nuclear Station Emergency Plan and Implementing Procedures, Final Safety Analysis Report, Technical Specifications, Administrative Procedures, Operating Procedures and other documents which would be required during an emergency.

The communication systems to be installed between the TSC and control room are outlined in the site emergency plan. In any event, since the TSC is located in close proximity to the control room, face to face communication between TSC and control room personnel can be relied upon as an ultimate communications link.

#### Emergency Operations Facility

The EOF is located in the Nine Mile Point Energy Information Center. Special provisions for protection factors or ventilation protection will not be provided for this nearsite EOF. However, a backup EOF will be provided at a distance of approximately 10 miles from the Nine Mile Point site. This backup site will be provided with the same accident monitoring capabilities as the nearsite EOF and will be activated in the event the nearsite facility is uninhabitable.

Plant parameters will be provided to the EOF through output from the plant process computer. The information provided by the plant process computer will be the same as that provided in the control room process computer terminal. Information can also be displayed on demand by the members of the EOF staff. Meteorological information will also be provided to perform dose assessment calculations upon activation of the EOF.

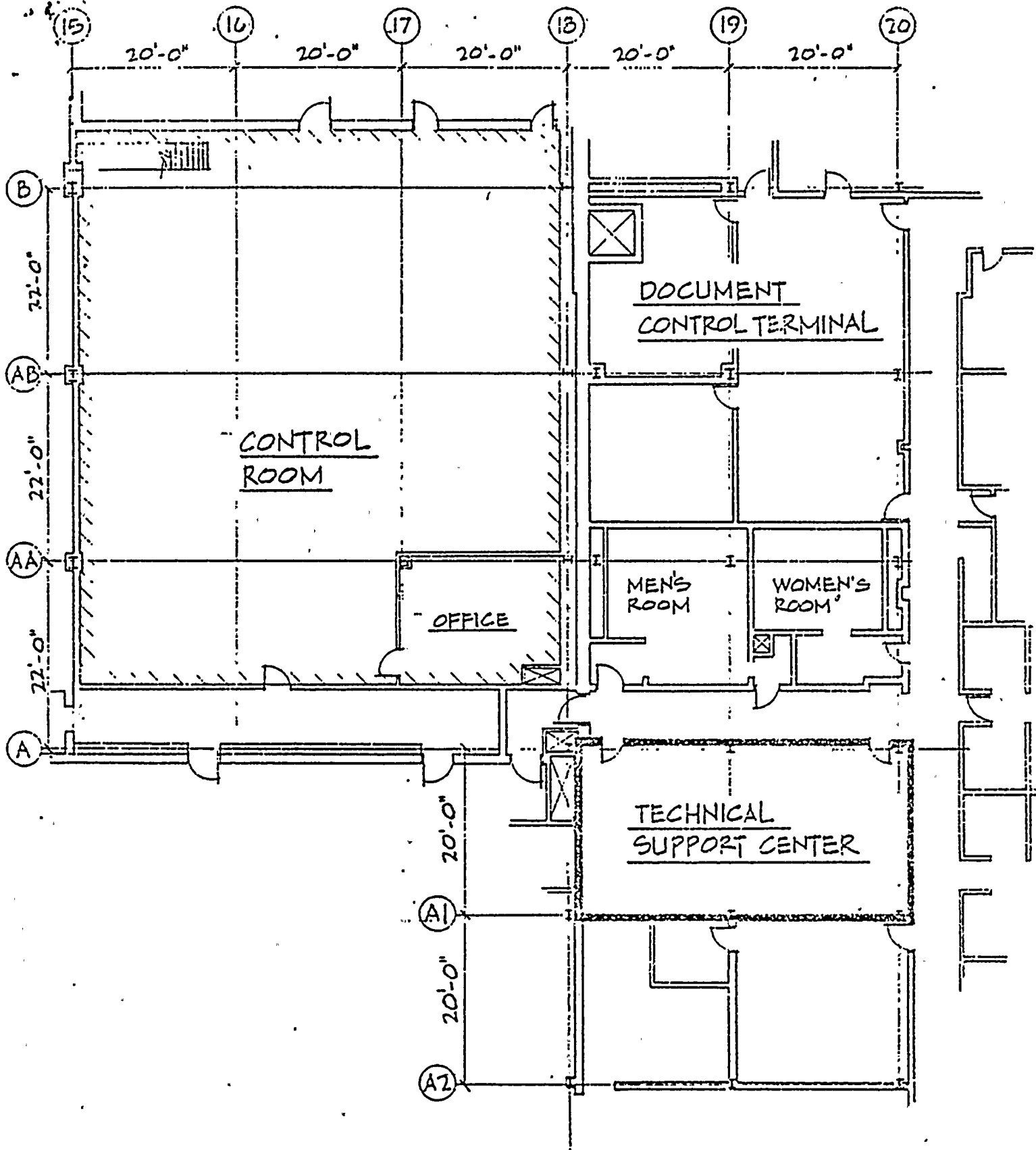
The EOF will not be supplied with a backup power source.

The task functions of the individuals required to report to the EOF upon activation are outlined in the site emergency plan.



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FLOOR PLAN @ EL. 277'-0"  
 SCALE 1/16" = 1'-0"

