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

April 16, 1980

Dockets Nos. 50-245
and 50-336

Mr. W. G. Counsil, Vice President
Nuclear Engineering & Operations
Northeast Nuclear Energy Company
P. O. Box 270
Hartford, Connecticut 06101

Dear Mr. Counsil:

By letters dated December 28 and 31, 1979, January 31 and February 8, 1980, you provided information describing the design and operation of your proposed Technical Support Center (TSC) and Emergency Operations Center (EOC) for the Millstone Nuclear Power Station, Units Nos. 1 and 2. These submittals were in response to our request to provide a Site Emergency Plan (October 10, 1979 letter) and in response to Item 2.2.2.b of NUREG-0578 (NRC letters dated July 25, September 13 and October 30, 1979).

As documented in our February 25, 1980 letter, we have determined that you have implemented the "Category A" requirements of Item 2.2.2.b. More recently, representatives of our staff have been in communication with your Mr. R. Kacich in regard to your proposal for meeting the "Category B" requirements for Item 2.2.2.b. Mr. Kacich has pointed out, in agreement with the last sentence of your February 8, 1980 letter that due to the extremely compacted schedule for providing the new EOC building, NRC indication of acceptability is needed by early April 1980 if the project is to be completed by January 1, 1981.

After review of your proposed TSC and EOC versus our requirements, we conclude that construction of a building of the type, size and location, as described in your February 8, 1980 letter, is necessary. However, we believe that this new building should be used to house the principal nearsite Emergency Operations Facility (as required by Item II H.2 of NUREG-0654) and a secondary TSC.

As indicated by the enclosed staff position on Emergency Response Facilities, we would now find a primary TSC that does not fully meet the habitability requirements (Item 10 under 2.2.2.b of our October 30, 1979 letter) acceptable provided a secondary TSC, meeting the habitability requirements, is provided as a backup. This would allow a non-habitable area located within the plant meeting Requirements 1 through 9 of the October 30, 1979 letter, to serve as the primary TSC. The plant computer rooms could be part of the TSC if nearby additional rooms were used to achieve the required personnel capacity.

This indicated acceptance of a non-habitable primary TSC does not, in any way, indicate that the remaining "Category B" NUREG-0578 requirements for the TSC (Item 2.2.2.b), have been evaluated. Such evaluation will continue as your new building is being erected.

I trust this letter is responsive to your indicated scheduling requirements.

Sincerely,

D. G. Eisenhut, Acting Director
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Enclosure:
Staff Position on Emergency
Response Facilities

cc w/enclosure:
See next page

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Enclosure

STAFF POSITION ON
EMERGENCY RESPONSE FACILITIES

Onsite Technical Support Center

An onsite technical support center (TSC) shall be maintained by each operating nuclear power plant. The TSC shall be separate from, but in very close proximity to, the control room and be within the plant security boundary. While care must be taken in selecting technical input available in the TSC, it appears likely that access to additional control room data would be required during an emergency. The location of the TSC shall also be such as to facilitate occasional face-to-face contact between key control room and TSC supervisors (management presence). The emphasis in designing the TSC information displays should be on reactor systems status. Those individuals who are knowledgeable of and responsible for engineering and management support of reactor operations in the event of an accident will report to the TSC (minimum size 25 persons including 5 NRC). Those persons who are responsible for the overall management of the utility resources including recovery following an accident (e.g., corporate managers) should report to the EOF (see below). Upon activation, the TSC will provide the main communication link between the plant and the operator's near-site Emergency Operations Facility, and the main communication link to the NRC for plant operations matters. The TSC must be habitable to the same degree as the control room for postulated accidents (SRP 6.4 as revised by NUREG-0660). Where the primary, in-plant, TSC is not made habitable because of site-specific considerations, a backup TSC which does meet the habitability requirements must be provided on or near the site. A nuclear data link (NDL) shall be provided which has the capability to transmit and display plant status, including radiological data in the TSC, the EOF, the NRC and elsewhere. The minimum data available in the TSC shall be that required for transmittal to NRC.

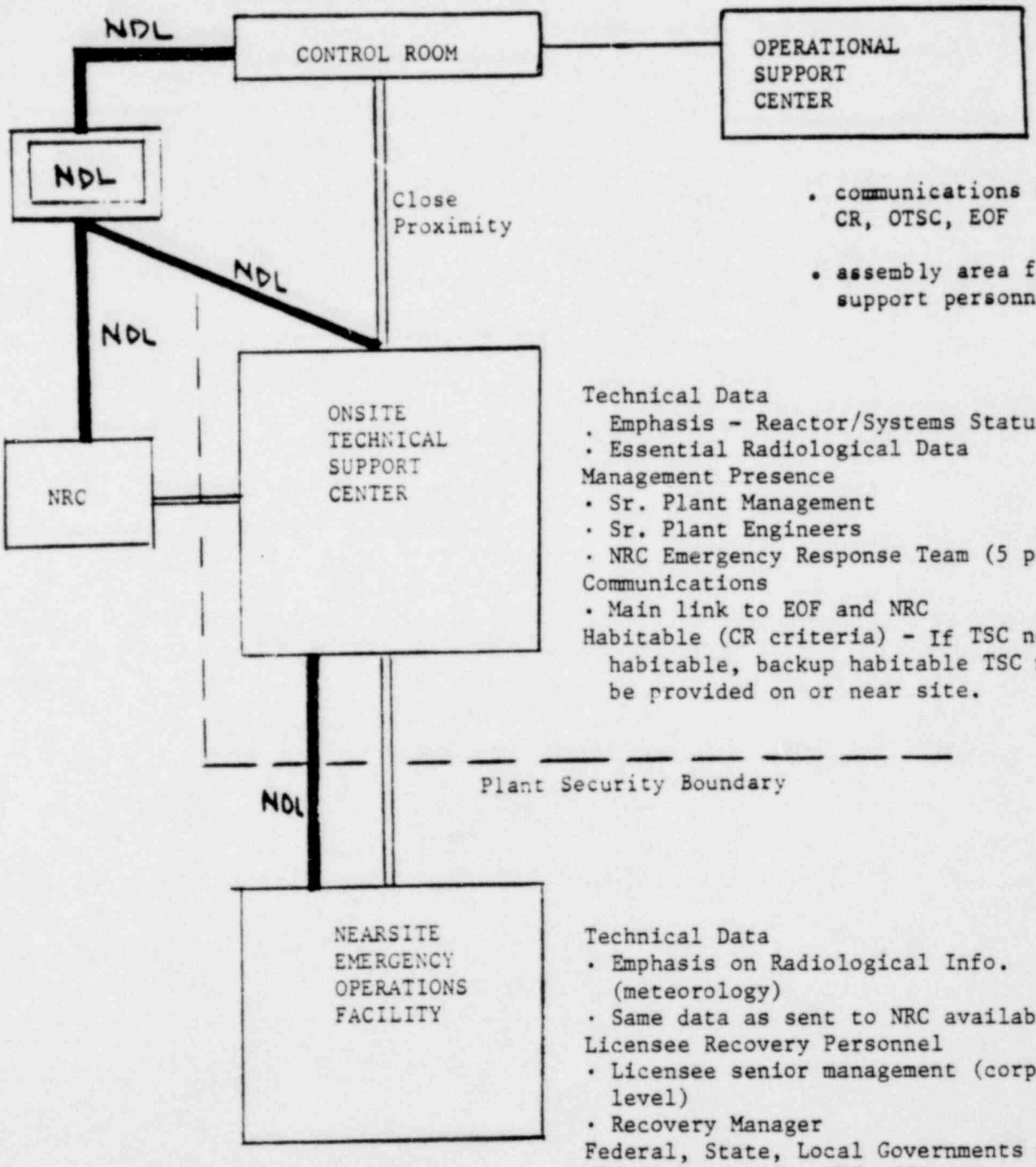
Onsite Operational Support Center (Assembly Area)

The Operational Support Center shall be the place to which the operations support personnel report in an emergency situation. Communications will be provided with the control room, OTSC and EOF.

Emergency Operations Facility (Near-Site)

The Emergency Operations Facility (EOF) will be operated by the licensee for continued evaluation and coordination of licensee activities related to an emergency having or potentially having environmental consequences. The EOF must have the capability to display the same plant data and radiological information as will be required for transmittal to the NRC. The EOF will have sufficient space to accommodate representatives from Federal, State and local governments if desired by those agencies, including facilities for the senior NRC representative (10) on-site. In addition, the major State and local response agencies may perform data analysis jointly with the licensee. Overall management of utility resources including recovery operations following an accident (e.g., by corporate management) shall be managed from this facility. Press facilities for about 20 people shall be available at the Emergency Operations Facility (periodic use). Site meteorology should be used to the extent practical for determining the EOF location. The EOF should be located within about one mile of the reactor. The EOF should be a substantial structure, providing significant shielding factors from direct radiation and the capability to isolate ventilation systems. Filtration systems (at least HEPA filters) shall be provided in new structures. Arrangements shall be made to activate an alternate EOF in the event that the nearsite EOF becomes uninhabitable.

EMERGENCY RESPONSE FACILITIES



- communications to CR, OTSC, EOF
- assembly area for support personnel

Technical Data
- Emphasis - Reactor/Systems Status
- Essential Radiological Data

Management Presence
- Sr. Plant Management
- Sr. Plant Engineers
- NRC Emergency Response Team (5 persons)

Communications
- Main link to EOF and NRC

Habitable (CR criteria) - If TSC not habitable, backup habitable TSC must be provided on or near site.

Technical Data
- Emphasis on Radiological Info. (meteorology)
- Same data as sent to NRC available

Licensee Recovery Personnel
- Licensee senior management (corporate level)
- Recovery Manager

Federal, State, Local Governments may use.
NRC including Sr. NRC official
Emphasis on off-site emergency plans
Press Facility (periodic pool briefings)
Habitability - direct radiation and isolable ventilation systems; HEPA filters in new facilities
Alternate location designated

Emergency Response Facilities

Center	Location	Activation Required?	Occupants			Function	Data Display	Habitability	Back-up if Not Habitable
			In Charge	Number	Skills				
Existing Control Room Upgraded Control Room	In Plant	No	Shift Supervisor or Senior Plant Official	Utility - Variable NRC (1)	Operational & Technical	Plant Control		Wide Accident Spectrum (SRP 6.4 with NUREG-0660)	-
Interim Technical Support Center (TSC)	Should be near Control Room	Yes	Senior Plant Official	Utility - Variable NRC (5)	Engineering & Senior Plant Management	Emergency Engineering Support for Control Room	Direct or Call-Up Display of Plant Parameters Necessary for Assessment	No Requirement	Control Room
Permanent TSC	Must be in very close proximity to Control Room	Yes, for Alert, Site Emergency or General Emergency Class	Senior Plant Official	25 (5 NRC)	Engineering & Senior Plant Management	Accident Assessment by Operations Engineers; Support to Control Room during Accidents	Direct Display of plant safety system parameters, call-up display of radiological parameters	Either TSC or backup must be same as Control Room Except for System Redundancy	Habitable TSC near site if primary TSC not habitable
Emergency Operations Facility (EOF)	Near Site (within about 1 mile)	Yes, for Alert, Site Emergency or General Emergency Class	Senior Plant or Corporate Official	10 NRC, including Regional Director, 20 utility including radiological accident assessment and Corporate management, 5 State and local. (periodic)	Corporate Management, Radiological Accident Assessment	1. Overall Management of Utility Resources 2. Analysis of Plant effluents met; offsite monitoring for offsite action decisions 3. Briefing location for offsite officials and press pools.	Direct display of radiological and meteorological parameters. At least that provided to NRC	Shielding against direct radiation & ventilation isolation capability	Alternate EOF required away from site; no habitability requirements for alternate