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FEDERAL EMERGENCY MANAGEMENT AGENCY

Region IX Building 105
Presidio of San Francisco, CA 94129-2000

January 18, 1984

United States Nuclear Regulatory Commission
Region V
1450 Maria Lane, Suite 210
Walnut Creek, California 94596

Attention: Mr. Ross A. Starano, Director
Radiological Safety and Safeguards Programs

Subject: Correspondence addressed to Mr. John B. Martin,
Regional Administrator for the United States
Nuclear Regulatory Commission, Region V, from
Dr. Richard Kranzdorf, Concerned Cal Poly Faculty
and Staff, dated December 9, 1983.

Gentlemen:

Subject letter identified two planning issues for preparedness of offsite jurisdictions at the Diablo Canyon Nuclear Generating Station. The following information is provided in response to your request for assistance in addressing the issues raised by Dr. Kranzdorf.

1. The flooding at "Twin Bridges" or "Twin Trestles" was addressed by an earlier response--refer to our letter to you dated December 16, 1983, copy attached.
2. The siren system for alerting residents within the off-site jurisdictions around the Diablo Canyon Nuclear Generating Station consists of 94 sirens. Two of the sirens are solar powered and 92 are electrically powered by sources distributed through seven different electrical power substations. Verification of electrical power availability is a responsibility of the San Luis Obispo County Sheriff's Watch Commander; who, upon activation of the siren system, would contact the Pacific Gas and Electric Power Distribution Center at Morro Bay for that purpose. Should a substation outage be reported as a result of that verification procedure, the Watch Commander would dispatch appropriate county staff to the affected area for personal notification to residents. This activity would be performed in accord with the guidance provided in NUREG-0654/FEMA REP-1, REV.1 that specifies the county has 45 minutes to alert that portion of the public that did not receive the initial alert.

This information has been fully coordinated with the State of California Office of Emergency Services and San Luis Obispo County.

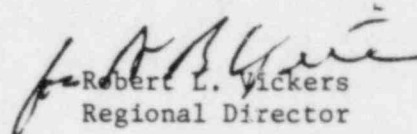
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United States Nuclear Regulatory Commission
Region V
Page Two

Further information of the above can be provided by John P. Sucich, who
can be reached by calling 415-556-9840.

Sincerely,


Robert L. Vickers
Regional Director

Enclosure

cc: Office of Emergency Services
State of California

Office of Emergency Services
San Luis Obispo County



Federal Emergency Management Agency

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16 DEC 1983

REGION IX

United States Nuclear Regulatory Commission
Region V
1450 Maria Lane, Suite 210
Walnut Creek, California 94596

Attention: Mr. Ross A. Scarano, Director
Radiological Safety and Safeguards Programs

Gentlemen:

Subject: Letter Directed to the Honorable Nunzio Palladino,
Chairman of the Nuclear Regulatory Commission, from
Dr. Richard Kranzdorf, Spokesperson for Concerned
Cal Poly Faculty and Staff, dated November 4, 1983.

This letter will respond to your request for assistance in formulating a response to subject letter relative to concerns about plans and preparedness of the offsite jurisdictions around the Diablo Canyon Nuclear Generating Station. The information provided below is the result of discussions with the Office of Emergency Services, State of California, and the Office of Emergency Services, County of San Luis Obispo.

1. Evacuation Time Considerations. Evacuation Times Assessments for Diablo Canyon Nuclear Power Plant, September 1980, Alan M. Voorhees and Associates, Inc., based on empirical data during various weather conditions and using "standard engineering techniques" described the conclusion that a 20% additional time factor should be applied to normal evacuation times for heavy-rain conditions. The study further concluded that "heavy-rain" constituted a "worst case" for emergency evacuation planning and that fog was considered to be a substantively lesser problem. Traffic studies around the Rancho Seco Nuclear Generating Station, conducted by Robert Hubenette and Associates, also confirmed a 20% additional travel time during rainy weather.
2. Evacuation Transportation Routes. The County has addressed certain flooding problems and have budgeted funding for improvements to the impacted areas. People can be evacuated east on Los Osos Valley Road and it is considered unlikely that both Morro Bay and San Luis Obispo would be evacuated concurrently. Based on current information, the State of California Office of Emergency Services advises that experience with the areas addressed in subject letter has reflected that these evacuation routes are considered to be reasonable and safe even though affected by flooding during a postulated emergency.
3. Emergency Broadcast System. Officially designated Emergency Broadcast System stations are required to have an emergency power system. Radio station KVEC was operating on-the-air with emergency backup power. The two-and a half hour interval applies only to the amount of time it took the Pacific Gas and Electric Company to resume initial power because of a blown fuse. At this time, alternate radio stations are seriously considering the emergency power system installation.

ENCLOSURE

Dupe 2603280106

4. Earthquake Considerations. Earthquake Emergency Planning at Diablo Canyon. September 2, 1981, TERA Corporation, thoroughly addresses all aspects of earthquake effects at the Diablo Canyon Nuclear Power Plant. The California Department of Transportation performed a subsequent study of projected damages identified by the TERA Corporation report and the length of time required for necessary repairs. That information was made available to the County of San Luis Obispo. During a nuclear emergency, the County plans call for the establishment of a special group to consider any earthquake problems. All these special efforts, as well as the planning activities resulting therefrom, have been extensive and quite significant.

In general, this office feels that Dr. Kranzdorf has based his comments on a "worst case" basis that would require one hundred percent evacuation from all local jurisdictions within the 10-mile emergency planning zone simultaneously, without benefit of emergency public information, and under extreme adverse weather conditions. Inasmuch as there is no known experience, planning and preparedness measures are directed at addressing physical probabilities, applying standards for the most advantageous use of resources available. Through a cyclic system of exercising, designed to provide continuous plan improvement, the public is afforded the optimum protection that can be developed. Recent exercises, conducted to assess the planning efforts of the offsite jurisdictions around the Diablo Canyon Nuclear Generating Station have demonstrated that there is a reasonable assurance that the appropriate protective measures can and will be taken in the event of a radiological emergency.

Should you require further assistance with regard to this matter, do not hesitate to contact Thomas F. Brinton or John P. Sucich at 415-556-9840.

Sincerely,



Robert L. Vickers
Regional Director

cc: Office of Emergency Services
State of California

Office of Emergency Services
County of San Luis Obispo



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Presidio of San Francisco, California 94129 1983 DEC 20 PM 12 47

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Sincerely,



Robert L. Vickers
Regional Director

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