

UNITED STATES DEPARTMENT OF COMMERCE National Institute of Standards and Technology Gathersturg, Meryland 20899

A045

November 15, 1989

U. S. Nuclear Regulatory Commission Attention: Document Control Desk Washington, D.C. 20555

Subject: Minor Change to the NBSR Emergency Plan, Docket No. 50-184

Gentlemen:

The National Institute of Standards and Technology has made a minor change to the NBSR Emergency Plan in accordance with 10 CFR 50.54(q) to improve its effectiveness. The change involves the use of search or surveillance or both as an alternate method of accounting for personnel in the Confinement Building during a site area emergency. The present method of using the status board, cards and logs has become impractical and time consuming due to the large number of personnel on the access list relative to the small number actually in the building. The alternate method provides for a reliable and quick way to account for personnel and was used successfully (along with the old method) in a recent exercise. The change, effective November 13, 1989, involves Section 7.5(c) step 2, page 14 of the Emergency Plan, however, the entire page was retyped. Please substitute the enclosed revised page for the existing one.

Sincerely, sure

J. M. Rowe Chief, Reactor Radiation Division

Enclosure

cc: Administrator U. S. Nuclear Regulatory Commission Region 1 475 Alaendale Road King of Prussia, PA 19406 2. Isolation of affected areas.

- Alert b.
 - Evacuation of non-essential personnel from portions or all of the 1. Confinement Building. This will be accomplished by personal communication or page phone.
 - Relocation of essential personnel to more secure areas to reduce 2. exposure.
 - 3. Isolation of portions or all of the Confinement Building.
- Site Area Emergency C.
 - 1. Evacuation of non-essential personnel from Facility using evacuation siren and or page phone.

Revised

- (2. Account for personnel within the Confinement Building as soon as practicable, using status board and visitors log or by search or surveillance or both.
- 3. Evacuation of personnel at the Reactor Site, outside of the Facility, using the NBS Physical Security Force.
- 4. Relocation of essential personnel to more secure areas to reduce exposure.
- 5. Isolation of the Confinement Building and restricting or blocking access to the Reactor Site.

7.6 PROTECTIVE ACTION EXPOSURE GUIDELINES

The Emergency Director will determine appropriate dose limits within and outside the Facility based on evaluation of the situation at the time. In general, the following limits are established for essential or rescue personnel and may not be exceeded without permission of the Emergency Director.

- a. Lifesaving Activities: 25 rem
- b. Other Serious Events: 5 rem

7.7 EMERGENCY HEALTH PHYSICS PROGRAM

Emergency equipment and supplies are available at the Facility and include protective clothing, self-contained breathing apparatus, survey instruments and dosimeters.

Survey instruments will be used for monitoring both within and outside the Reactor Site. Contamination monitoring will utilize one or more of the following if necessary: air sampling, swipe tests, and water, soil or vegetation sampling.

Data collected will be transmitted to Health Physics and will be used to derive assessments. Records of radiation surveys will be maintained by Health Physics. Assessment summaries will be promptly communicated to the Emergency Director.

11/13/89