



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

MAY 10 1993

DOCKET: 70-824

LICENSEE: Babcock & Wilcox
Nuclear Environmental Services Division
Lynchburg Technology Center
Lynchburg, Virginia

SUBJECT: SAFETY EVALUATION REPORT, LICENSE AMENDMENT APPLICATION
DATED FEBRUARY 1, 1993, RE REVISED RADIOLOGICAL CONTINGENCY
PLAN (PLAN), REV. 4

Background

By application dated February 1, 1993, the licensee requested that Materials License SNM-778 be amended to reflect changes to the Radiological Contingency Plan.

Discussion

The licensee proposes the following major changes:

1. Incorporate recently approved organizational changes.
2. Paragraph 2.1, "Description of Postulated Accidents," has been modified as follows: (a) the words "which may threaten the site or site operations" have been added to "Bomb Threat" and "civil disturbance;" (b) the words "which may threaten the site" have been added to "nearby Forest Fire" and "nearby Industrial Fire;" (c) the word "uncontrolled" has been added to "...release of Flammable or Toxic Gas;" (d) the word "unexplained" has been added to "High Radiation;" and (e) the difference between major and minor explosion or fire has been defined.

The staff has reviewed the changes to paragraph 2.1 and determined that they clarify what accident may cause activation of the NNFD Emergency Organization and are acceptable.

3. Paragraph 2.2, "Detection of Emergency Conditions," has been modified by changing paragraph 2.2.3 to eliminate the words "outside of the building" from the sentence which reads "...upon sounding of the evacuation alarm..."

This change clarifies that regardless of whether a single monitor is located inside or outside of the building, personnel are required to withdraw to an area where the alarm can no longer be heard and to notify the Health Physics Group. The staff finds this clarification acceptable.

4. Paragraph 3.1.5, "Notification Requirements," has been modified to delete the last item, "a major fire, necessitating a request for assistance from local fire department."

The staff finds this change acceptable, since major fires are now included in Section 3.2.3, "Alert."

5. Paragraph 3.2.2, "Notification of Unusual Events," has been modified as follows: (a) the word "minor" has been added to fire or explosion and the words "directly involving or threatening radioactive materials" have been deleted from paragraph 3.2.2.1; (b) the words "or other type of event" have been added to the first sentence in paragraph 3.2.2.4; and (c) paragraphs 3.2.2.6 and 3.2.2.7 have been added in response to NRC Bulletin No. 91-01 to include unusual nuclear criticality safety events.

The staff has reviewed the above proposed changes and determined that they are an increase in the notification requirement and are therefore acceptable.

6. Paragraph 3.2.3, "Alert," has been modified as follows: (a) in paragraph 3.2.3.1, the words "which requires offsite assistance" have been deleted, (b) paragraph 3.2.3.2 has been modified to add the words "the actual hands-on assistance of offsite responders;" and (c) paragraph 3.2.3.3, in the last sentence, the words "in the area which caused the alarm" have been added after "...radiation levels."

The staff has reviewed the above changes and determined that they do not decrease the effectiveness of the Plan and are acceptable.

7. Paragraph 3.2.4, "Site Area Emergency," has been modified as follows: (a) in paragraph 3.2.4.1, the word "major" has been added to explosion and (b) in paragraph 3.2.4.2 the word "major" has been added to fire.

MAY 10 1993

The staff has reviewed the above changes, and determined that they do not decrease the effectiveness of the Plan and are acceptable.

8. Paragraph 4.2.1, "Direction and Coordination," has been modified as follows: (a) the sentence "A communication officer is assigned..." has been changed to read "A communication officer may be assigned...;" (b) the third paragraph on emergency planning has been modified to show this as the responsibility of the Emergency Officer, who is appointed by the Manager, Environmental, Safety and Health (ES&H); and (c) in the paragraph on the Emergency Preparedness Committee (EPC), the sentence requiring a member of the Naval Nuclear Fuel Division-Research Laboratory, Safety & Licensing Section to be a member of the EPC has been changed to require a member of the Lynchburg Technology Center (LTC), ES&H Department to fill this requirement.

The staff has reviewed the above changes and determined that they do not decrease the effectiveness of the Plan and are acceptable.

9. Paragraph 7.2, "Training," has been modified to state that Security Response Guards now receive, for emergency purposes, training in "the use of portable fire extinguishers." The staff finds this additional training acceptable.
10. Paragraph 7.3, "Drills and Exercises" has been modified to reflect that the time of drills will no longer be announced. The staff agrees that not announcing drill times is appropriate and finds the change to Paragraph 7.3 acceptable.

Conclusion/Recommendation

Based on the above discussion, the staff concludes the amendment can be issued without undue risk to the workers or environment. Therefore, approval of the application is recommended.

The Region II Office has no objection to this licensing action.

Original Signed By:

Michael A. Lamastra
Licensing Section 2
Licensing Branch
Division of Fuel Cycle Safety
and Safeguards, NMSS

Original Signed By:

Approved by: _____
Michael Tokar, Section Leader

OFC	FCLB	E	FCLB		FCLB	E		
NAME	MLamastra		VTharpe		MTokar			
DATE	5/6/93		5/6/93		5/6/93			

C = COVER

E = COVER & ENCLOSURE

N = NO COPY

[G:\B&WSER12.ML]