

MEMORANDUM FOR: Richard E. Cunningham, Director

Division of Industrial and Medical Nuclear Safety
Office of Nuclear Material Safety and Safeguards

FROM: i. Philip Stohr, Director
Division of Radiation Safety and Safeguards
SUBJECT: REGION II REVIEW OF OAK RIDGE NATIONAL
LABORATORY (ORNL) LIST OF POTENTIALLY
CONTAMINATED SITES

In response to your memorandum dated June 22, 1992, my staff has performed a review of those terminated licensees in Region II with evaluation rankings above 300 on the ORNL list. Information used for the evaluation included a review of the retired files sent to us by members of your staff and ORNL, the ORNL evaluation sheets, interviews with current and former Region II staff, representatives from the State of Tennessee, and in the case of Babcock & Wilcox, Naval Nuclear Fuel Division (B&W, NNFD), a discussion with licensee representatives. The original ORNL listing of licenses identified six sites with evaluation rankings above 300. However, a subsequent ORNL reevaluation provided to RII subsequent to your June 22, 1992 memorandum, resulted in the removal of United States Nuclear Corporation from the original list. As noted on the enclosed Region II fact sheets which were generated from our evaluation, five former Region II licensees have a ranking of 300 or greater.

Based upon our review of the original six RII sites ranked above 300, we are recommending that four of the sites be removed from the list with our justification for those recommendations being described in the enclosed fact sheets. For the remaining sites on the list, we are evaluating available options to assess the current condition of the site.

If you have any questions regarding our evaluation please contact George B. Kuzo of my staff at (404) 331-2560. We will keep you apprised of our followup actions for any of the sites mentioned above.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA STREET, N.W.
ATLANTA, GEORGIA 30323

SEP 14 1992

J. Philip Stohr
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Enclosure: (See page 2)

Enclosure:
Region II Fact Sheets

cc /encl:
R. Cooper, RI
C. Norelius, RIII
L. Callan, RIV
R. Scarano, RV
R. Bangart, NMSS

Babcock and Wilcox Company (SNM-00730; 70-00795)

Location: P. O. Box 785
(Mt. Athos Road)
Lynchburg, VA 24505

Activity: Recovery operation of high-enriched uranium
from unirradiated scrap solutions and solid
wastes.

ORNL Concerns:

- 1) License was for loose materials, or materials handled in loose form.
- 2) High likelihood that activity could have generated significant contamination.
- 3) No closeout survey was conducted.
- 4) There was not an NRC final *inspection of the facility.*
- 5) Evidence of releases to the *environment.*
- 6) *Indication of potentially significant burial by licensee.*
- 7) No verifiable intermediate *decontamination efforts.*
- 8) Very large amount of material and indications that site had high likelihood of *contamination.*

Region II Remarks:

- 1) Review of licensee actions regarding decommissioning of equipment and buildings associated with this license were documented in RII Inspection Report (IR) 70-27/89-02, dated March 14, 1989. Licensee response to a Notice of Violation (NOV) corroborated lack of survey documentation. Licensee followup interviews with current and previous employees indicated that surveys were performed and documented. Additional documentation was found indicating that the surveys were performed. However, actual survey records were not found.

Enclosure

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NMSS (Paul Goldberg)
advises not further Regional
action required. 

- 2) All material is buried on B&W NNFD site. The location is known and documented, and monitoring wells are established.
- 3) Any potential release to the environment would have been to current NNFD site areas.
- 4) Licensee [redacted] indicated that the release survey [redacted] conducted and verified that [redacted] materials were decontaminated to meet the established criteria for burial.
- 5) The burial site will be included in site decommissioning activities.

Regional
Recommendation:

Since B&W NNFD continues to maintain the site under NRC license No. SNM-42, and all materials located on site are to be included in the final decommission activities, removal of this license from the list is recommended.