

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

David Witherspoon Inc. (SUB-00587, 40-06764)

Location: 901 Maryville Pike  
Knoxville, TN 37901  
Activity: Receipt, storage, and mechanical processing  
of scrap metal having surface *contamination*  
of natural uranium and natural thorium.

ORNL

Concerns:

- 1) Natural U-235 or enriched U-235 moved between sites.
- 2) High likelihood of significant *contamination*.
- 3) No *decontamination* of site.
- 4) No survey conducted.
- 5) No final NRC Inspection of facility
- 6) Releases to the environment.
- 7) Lack of records regarding disposition of materials

NRC RII  
Remarks

- 1) Licensee received notice dated May 11, 1966,  
transferring license authority for the  
Maryville Pike, TN, operations to the State  
of Tennessee.
- 2) Site activities regarding source material were  
conducted under the Tennessee Agreement State License  
Number (No.) S-4715- E8. The license has expired.
- 3) **The State has** issued to the licensee an order to  
clean the site.
- 4) Discussions with State of Tennessee representatives  
verified that dialogue regarding licensee and US DOE  
responsibilities for the remediation of the site and  
final disposition of contaminated. materials *continue*.

Enclosure

10 NMSS (Paul Goldberg)  
advises no further Regional  
action required. 

- 5) According to State of Tennessee representatives, the area is a Superfund site, and as of August 1992, characterization is in progress.

Regional Recommendation:

The site is under order from the State of Tennessee to remediate the area. Characterization of the area is in progress. Therefore, removal from the list is recommended.