

October 27, 2006

Mr. Howard A. Pulsifer  
Vice President, General Counsel & Secretary  
AAR Corporation  
One AAR Place  
1100 N. Wood Dale Road  
Wood Dale, IL 60191

SUBJECT: RESULTS OF U.S. NUCLEAR REGULATORY COMMISSION STAFF REVIEW  
OF AUGUST 7, 2006, REVISED PROBABILISTIC DOSE ANALYSIS FOR AAR  
MANUFACTURING, INC. SITE (FORMER BROOKS AND PERKINS SITE) IN  
LIVONIA, MICHIGAN

Dear Mr. Pulsifer:

We received the August 7, 2006, letter from your consultant, Partners Environmental Consulting, Inc., submitted on behalf of AAR Corporation. The submittal includes a revised probabilistic dose analysis for the AAR Manufacturing, Inc. (AAR) site in Livonia, Michigan. The revised dose analysis includes changes to certain parameters, as discussed by U.S. Nuclear Regulatory Commission (NRC) staff and your consultants on November 22, 2005. The dose analysis also reflects remediation of additional thorium-contaminated areas on the AAR site, as discussed in your submittal.

NRC staff has reviewed your submittal and has determined that the revised dose analysis demonstrates that the eastern parcel of the AAR site will meet the dose criteria for unrestricted use in the License Termination Rule (LTR) (10 CFR Part 20, Subpart E). The staff has also determined that the dose analyses for the western parcel (both the scenario with institutional controls in place and the scenario with institutional controls not in place) demonstrate that the western parcel of the AAR site will meet the LTR dose criteria for restricted use. This determination of the satisfaction of the LTR dose criteria is contingent upon the remediation of the areas described in your August 7, 2006, submittal.

NRC staff will continue to work with your consultants to understand the remediation activities and any final status survey activities that will take place at the AAR site. The staff notes that while AAR has demonstrated compliance with the dose criteria of the LTR, AAR must still meet the other requirements of the LTR, including the requirements for restricted use in 10 CFR 20.1403. The staff will continue to work with you and your consultants toward completion of decommissioning activities and closure of the AAR site.

H. Pulsifer

2

Please contact Kristina Banovac of my staff, at (301) 415-5114 or [klb@nrc.gov](mailto:klb@nrc.gov), if you have any questions regarding this letter.

Sincerely,

***/RA/***

Claudia M. Craig, Branch Chief  
Reactor Decommissioning Branch  
Decommissioning & Uranium Recovery  
Licensing Directorate  
Division of Waste Management  
and Environmental Protection  
Office of Federal and State Materials  
and Environmental Management Programs

Docket No.: 040-00235  
License No.: STB-0362

cc: B. Koh  
R. Skowronek  
M. Wetterhahn

H. Pulsifer

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Please contact Kristina Banovac of my staff, at (301) 415-5114 or klb@nrc.gov, if you have any questions regarding this letter.

Sincerely,

**/RA/**

Claudia M. Craig, Branch Chief  
Reactor Decommissioning Branch  
Decommissioning & Uranium Recovery  
Licensing Directorate  
Division of Waste Management  
and Environmental Protection  
Office of Federal and State Materials  
and Environmental Management Programs

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cc: B. Koh  
R. Skowronek  
M. Wetterhahn

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