

December 27, 2007

MEMORANDUM TO: Thomas G. Hiltz, Chief
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

FROM: Timothy Kobetz, Chief **/RAI/**
Technical Specifications Branch
Division of Inspections and Regional Support
Office of Nuclear Reactor Regulation

SUBJECT: TECHNICAL SPECIFICATIONS BRANCH REVIEW OF
ARKANSAS NUCLEAR ONE, UNIT 2, CONTAINMENT
BUFFERING AGENT CHANGE (MD 6933)

By letter dated October 5, 2007, Entergy Operations, Inc. Arkansas Nuclear One – Unit 2, submitted an application for amendment of their license to replace the containment buffering agent from trisodium phosphate (TSP) to sodium tetraborate (NaTB) decahydrate. This change is to minimize the potential for exacerbating sump screen blockage concerns under post loss-of-coolant accident (LOCA) conditions due to a potential adverse chemical interaction between TSP and certain insulation materials used in containment. After careful review, the Technical Specifications Branch (ITSB) staff has no Requests for Additional Information (RAI). ITSB will concur on the final amendment package once it is routed for concurrence.

Docket No. 50-368

CONTACTS: Timothy Kolb, NRR/DIRS
301-415-1428

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