

June 3, 2008

MEMORANDUM TO: Allen L. Hiser, Jr., Chief
Steam Generator Tube Integrity and
Chemical Engineering Branch
Division of Component Integrity
Office of Nuclear Reactor Regulation

FROM: Paul A. Klein, */RA/*
Steam Generator Tube Integrity and
Chemical Engineering Branch
Division of Component Integrity
Office of Nuclear Reactor Regulation

SUBJECT: ARGONNE NATIONAL LABORATORY TECHNICAL LETTER
REPORT ON EVALUATION OF LONG-TERM ALUMINUM
SOLUBILITY IN BORATED WATER (TAC NO. MD5538)

Argonne National Laboratory (ANL) has been providing technical assistance to the U.S. Nuclear Regulatory Commission NRC Staff in the Steam Generator Tube Integrity and Chemical Engineering Branch to help evaluate certain aspects of GSI-191 chemical effects. The enclosed document, "Technical Letter Report on Evaluation of Long-term Aluminum Solubility in Borated Water Following a LOCA," provides the results from bench testing performed at ANL. These tests evaluated aluminum solubility for up to 30 days in borated water with a pH in the range of 7.0 to 8.5.

Enclosure:
As stated

CONTACT: Paul Klein , DCI/CSGB
(301) 415-4030

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NAME	PKlein	AHiser
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