March 20, 2009

MEMORANDUM TO: Timothy R. Lupold, Chief
Corrosion and Metallurgy Branch
Division of Engineering
Office of Nuclear Regulatory Research

FROM: Charles R. Harris, Materials Engineer ***/RA/***
Corrosion and Metallurgy Branch
Division of Engineering
Office of Nuclear Regulatory Research

SUBJECT: ARGONNE NATIONAL LABORATORY TECHNICAL LETTER REPORT ON DEVELOPMENT OF FLAW SIZING ALGORITHMS FOR EDDY CURRENT ROTATING PROBE EXAMINATIONS

Argonne National Laboratory (ANL) has been conducting research on Steam Generator Tube integrity for the U.S. Nuclear Regulatory Commission, including evaluation of eddy current testing. The enclosed document, "Technical Letter Report on Development of Flaw Sizing Algorithms for Eddy Current Rotating Probe Examinations" provides the ANL results from computer aided analysis of eddy current inspection data. These results present representative cases of flaw size estimation. The examples demonstrate the options available for the processing of data from either a selected region or the entire tube length. Many of the results are also applicable to other probe types.

This letter report should be made available to the public.

Enclosure:
As stated

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