February 28, 2008

Mr. John Butler
Nuclear Energy Institute
1776 I Street, NW , Suite 400
Washington DC, 20006-3708

SUBJECT: GSI-191 Chemical Effects – Argonne National Laboratory Technical Letter Report

Dear Mr. Butler:

As you are aware from an Nuclear Regulatory Commission (NRC) staff presentation during the October 24, 2007, public meeting on Generic Safety Issue 191, we have sponsored some additional chemical effects testing at the Argonne National Laboratory (ANL). The ANL work included additional bench-top testing and vertical head loss loop testing to evaluate chemical precipitates that are used in certain industry head loss qualification tests. The ANL tests are intended to provide the NRC staff with additional information to support reviews of licensee supplements to Generic Letter 2004-02. Licensees may be interested in reviewing the results since this information adds to the chemical effects testing knowledge base.

The purpose of this letter is to provide you a copy of the ANL Technical Letter Report (TLR) to promote rapid distribution of the information to the nuclear industry. The attachment contains the ANL report entitled, "Technical Letter Report on Evaluation of Chemical Effects; Studies on Precipitates Used in Strainer Head Loss Testing." We anticipate sending additional ANL TLRs to you soon. A copy of Attachment 1 is posted on the NRC website (and others will be posted as they become available) at the following URL address: http://www.nrc.gov/reactors/operating/ops-experience/pwr-sump-performance/tech-references.html.

If you would like to discuss this letter further, please contact me at (301) 415-5650.

Sincerely,

Allen L. Hiser ***/RA/***

Allen L. Hiser, Jr., Chief ***/RA/***
Steam Generator Tube Integrity and
Chemical Engineering Branch
Office of Nuclear Reactor Regulation

Attachment:
Technical Letter Report on Evaluation Of
Chemical Effects; Studies on Precipitates Used
In Strainer Head Loss Testing

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Attachment:
Technical Letter Report on Evaluation Of
Chemical Effects; Studies on Precipitates Used
In Strainer Head Loss Testing

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