

July 31, 2003

NG-03-0528
10 CFR 50.46(a)(3)(ii)

Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
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DUANE ARNOLD ENERGY CENTER
DOCKET 50-331

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SUBJECT: 10 CFR 50.46 Annual Report of Changes in Peak Cladding Temperature for the
Duane Arnold Energy Center

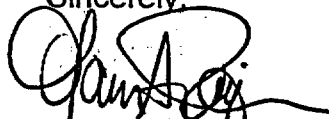
REFERENCE: Letter from K. Putnam (NMC) to USNRC, "10 CFR 50.46 Annual Report of
Changes in Peak Cladding Temperature for the DAEC," NG-02-0622, dated
August 15, 2002.

In accordance with 10 CFR 50.46(a)(3)(ii), Nuclear Management Company, LLC hereby
submits our annual report regarding the changes in the calculated peak cladding temperature
(PCT) of the GE12 and GE14 fuels currently utilized at the Duane Arnold Energy Center
(DAEC). This report covers the period from the last annual report (Reference 1) through June
of this year.

Subsequent to Reference 1, our fuel vendor has notified us of additional errors in the current
Loss-of-Coolant Accident (LOCA) analysis for the DAEC. However, only one of the identified
errors has an impact on PCT. Its correction results in an increase of 5 °F in the calculated
PCT for both fuel types in use at the DAEC. When added to the previous accumulation of
errors, the new error results in a total change in PCT of +65 °F (both nominal and absolute
value) over the baseline analysis value. However, significant margin in PCT (over 600 °F) to
the regulatory limit of 2200 °F exists. Thus, there is no safety significance to the reported
errors and no re-analysis is required at this time.

This letter contains no new commitments.

Sincerely,



Mark A. Peifer
Site Vice President, Duane Arnold Energy Center

cc: J. Dyer, USNRC, Region III
D. Hood (NRC-NRR)
NRC Resident Inspector

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