TRANSNUCLEAR
AN AREVA COMPANY

July 2, 2013
E-35985

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

Subject: Supplement to Submittal of Biennial Report of 72.48 Evaluations Performed for the NUHOMS® HD System, Certificate of Compliance (CoC) 1030, Docket 72-1030

Pursuant to the requirements of 10 CFR 72.48(d)(2), this submittal provides a summary of a 72.48 evaluation performed for the CoC 1030 NUHOMS® HD System. This evaluation, associated with a non-conformance, was approved in 2009, and it should have been provided in a previous report. Resolution of Transnuclear corrective action report (CAR) 2013-16 includes preventative actions associated with this situation.

Enclosure 1 provides the 72.48 evaluation summary, for LR 721030-228, Revision 0, including indication as to whether the evaluation had associated Updated Final Safety Analysis Report (UFSAR) changes that were incorporated into the UFSAR for the NUHOMS® HD System.

Should you or your staff require additional information, please do not hesitate to contact me at 410-910-6878 or Clark Vanderniet at 410-910-6933.

Sincerely,

Donis Shaw
Licensing Manager

cc: B. Jennifer Davis (NRC SFST), provided in a separate mailing

Enclosures:

1. Evaluation Summary for LR 721030-228 Revision 0

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Evaluation Summary for LR 721030-228 Revision 0

LR 721030-228 Revision 0 – (no associated UFSAR change)

Change Description

The change involved a nonconformance with a dry shielded canister (DSC) where a weld backing bar was dislodged during the root pass of a full penetration weld located in the R90 transition rail.

Evaluation

The R90 transition rail maintains the structural geometry of the basket and provides a heat conduction path from the fuel compartments to the DSC shell. The R90 transition rail is credited in shielding and criticality analysis, but these are not considered primary design functions.

The nonconforming condition had no impact on the thermal, shielding, confinement and criticality design functions. The table below shows the increased stresses in the nonconforming weld joint, the original maximum stresses, and the ASME code allowable stresses.

Stress Type	Angle of Drop	Max Stress (Conforming Weld) [ksi]	Scaled Stress (Nonconforming Weld) [ksi]	Allowable Stress (NDE = VT & PT) [ksi]
P_m	30°	8.27	12.1	28.85
$P_m = P_b$	0°	20.8	30.4	37.09

The eight 72.48 evaluation criteria were met.