NRC FORM 699 (9-2003) U.S. NUCLEAR REGULATORY COMMISSION

CONVERSATION RECORD

DATE: 11/14/2012

TIME: 12:30pm

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU: see attached list of particpants

TELEPHONE NO.:

ORGANIZATION: Transnuclear

SUBJECT: Discussion/Clarification of Thermal RAI 4-7; re: CoC-1029

TYPE OF CONVERSATION
- [ ] VISIT
- [x] CONFERENCE
- [ ] TELEPHONE
  - [ ] INCOMING
  - [x] OUTGOING

SUMMARY *(Continue on Page 2)*

- see attached -

Continue on Page 2

ACTION REQUIRED: n/a

NAME OF PERSON DOCUMENTING CONVERSATION	SIGNATURE	DATE
Steve Ruffin		11/14/2012

ACTION TAKEN

TITLE OF PERSON TAKING ACTION	SIGNATURE OF PERSON TAKING ACTION	DATE

11/14/2012

CONVERSATION RECORD

Teleconference Participants:

NRC

Jorge Solis, Thermal Technical Reviewer
Steve Ruffin, Project Manager

Transnuclear

Kamran Tavassoli
Venkata Venigalla
Glenn Mathues
Don Shaw

Subject: Status Update on RAI 4-7

Reference: CoC-1029, Amendment No. 3, RAI dated November 1, 2012 (via email)

On Wednesday, November 14, 2012, Nuclear Regulatory Commission (NRC) staff held a conference call with Transnuclear, Inc. (TN). The purpose of the call was to provide the applicant an opportunity to understand the Request for Additional Information (RAI) related to the thermal review and to maximize the chances that the RAI responses will allow for completion of the safety evaluation report and minimize the need for additional RAIs. During the teleconference TN provided an update and NRC staff responded to questions on the following:

4-7 Perform a computational fluid dynamics (CFD) analysis to confirm the Flow Rate Model results described in the SAR. Verify the CFD solution by using the methods described in ASME V&V 20-2009: "Standard for Verification and Validation in Computational Fluid Dynamics and Heat Transfer."

The Flow Rate Model described in the SAR does not appear to be a reliable approach to capture the heat transfer and flow dynamics that exist for some of the design load cases described in SAR Table B.4.5-1. The CFD analysis should include an explicit representation of the TC and the DSC components (fuel zones, basket, transition rails, etc.). The solution analysis needs to be verified to determine the discretization error.

This information is necessary to demonstrate compliance with 10 CFR 72.236(f).

TN will provide a written response to the confinement RAI questions.