From:	Nadiyah Morgan
To:	David.Distel@exeloncorp.com
Date:	10/28/05 3:43PM
Subject:	Fwd: TMI-1 Cycle 15 SG Inspection Report RAI Response (TAC MC4619)

David,

I've attached the list of questions from Emmett Murphy.

Thank you, Nadiyah Morgan Project Engineer US NRC (301) 415-1016

CC: John Boska; Peter Tam; Richard Laufer

From:Emmett MurphyTo:Nadiyah MorganDate:10/27/05 5:20PMSubject:Fwd: TMI-1 Cycle 15 SG Inspection Report RAI Response (TAC MC4619)

I am forwarding the licensee response that I got from Peter. I have three questions about this response I would like to discuss by phone with the licensee. Those questions are as follows:

1. Response to NRC Question 1 - It is stated in the second paragraph that structural integrity requirements for the CM analyses included an axial tensile load of 1340 lbf. The staff notes that the structural acceptance criteria for ID IGA in the free span in the kinetic expansions are based on a maximum MSLB axial load of 3140 lbf. In addition, maximum SBLOCA loads at TMI-1 are 2097 lbf. The staff is currently completing a review of the T-H analysis supporting the 1340 lbf load which was used to evaluate accident leakage at TMI-1. Assuming this is approved, the staff agrees that use of this load is appropriate for evaluating MSLB leakage, the staff does not believe this load is appropriate for structural integrity evaluations.

2. Response to NRC Question 1 - It is stated in the Table that for ID volumetric indications located in the expanded tubing a depth value of 80% through wall was the assumed leakage threshold. What is the justification for this value being higher from the 67% through wall threshold value used for the ID IGA flaws in the kinetic expansions in the upper tubesheet?

3. Response to NRC Question 1 - It is stated in the Table that a +Point voltage of 2 volts was used as the leakage threshold for axial and circumferential ID indications. What is the basis for this threshold value? Is it a lower bound of voltage data for cracks which are 100% through wall?

CC: Peter Tam

Subject:	Fwd: TMI-1 Cycle 15 SG Inspection Report RAI Response (TAC
•	MC4619)
Creation Date:	10/28/05 3:43PM
From:	Nadiyah Morgan

Created By: NSM@nrc.gov

Recipients

exeloncorp.com David.Distel (David.Distel@exeloncorp.com

nrc.gov owf4_po.OWFN_DO JPB1 CC (John Boska) PST CC (Peter Tam) RJL CC (Richard Laufer)

Post Office

owf4_po.OWFN_DO

Route

exeloncorp.com nrc.gov

Files MESSAGE Mail	Size 740	Date & Time 10/28/05 03:43PM
Options Expiration Date: Priority: Reply Requested: Return Notification:	None Standard No None	
Concealed Subject: Security:	No Standard	