March 27, 2008

MEMORANDUM TO: Michael L. Scott, Chief
Safety Issues Resolution Branch
Division of Safety Systems
Office of Nuclear Reactor Regulation

FROM: Joseph A. Golla, Project Manager ***/RA/***
Generic Communications and Power Uprate Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: PHONE CALL SUMMARY WITH ALION ON OCTOBER 31, 2007, AND NOVEMBER 29, 2007, TO DISCUSS SUMP STRAINER HEAD LOSS TEST SPECIFICATION

On October 31, 2007, and November 29, 2007, phone calls were held with Alion Science and Technology to discuss the Alion test procedures for determining debris head loss across a sump screen. Written materials were prepared by the staff to facilitate the phone calls. A list of phone call participants is attached to this memorandum as Enclosure 1.

For the October 31, 2007, call a list of questions, Enclosure 2, was prepared which can be viewed on the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML080510367. These technical questions were transmitted to Alion prior to the call. During the call the staff's questions were discussed with the Alion representatives with the main objective being that Alion understand the staff's concerns.

Subsequent to the call the staff reformatted the questions into three relevant topical areas. These areas are head loss and scaling, chemical effects, and test procedure/miscellaneous. These were sent to Alion on November 6, 2007, are Enclosure 3 to this memorandum, and can be viewed at ADAMS Accession No. ML080510382. Alion prepared a written response to the issues described in the three topical areas. This response was received by the staff on November 28, 2007, is Enclosure 4 to this memorandum, and can be viewed at ADAMS Accession No. ML080510428. This information was discussed with Alion on a phone call on November 29, 2007. The NRC staff did not perform a detailed review of the responses provided by Alion in the November 28 letter at the time of its issuance and therefore did not determine the adequacy of the information for addressing the identified issues at that time. However, review and resolution of these issues with Alion is currently being pursued by the staff. Also, the information in the staff's November 6, 2007, list of issues was supplemented with additional information (ADAMS Accession No. ML080510562, Enclosure 5) and transmitted to Alion on November 28, 2007. This included observations made by the staff during a November 10-15, 2007, international trip to the Alion testing facility in Slovakia.

Subsequent to the aforementioned phone calls and international trip the staff updated and reformatted the information described above. This was done to further clarify the staff's concerns with Alion's head loss testing methodology. To this end, problem statements were added in bold face after each issue description. This document, Enclosure 6 to this memorandum, may be viewed at ADAMS Accession No. ML080510657 and was transmitted to

Alion electronically on February 13, 2008.

Alion responded to this by assembling a response team with a dedicated Project Manager. The Alion response team reorganized the staff's problem statements into groups where the issues were similar, reducing their number from 29 to 20. The Alion response team then produced a schedule for addressing each issue. The staff is currently communicating with Alion regarding the resolution of all of these issues. This will be reported on in a future phone call summary. All of the above documents, including this memorandum, can be found in ADAMS Package No. ML080510037.

Enclosures:
1. List of Telecon Participants
2. NRC Staff Questions for October 31, 2007 Phone Call with Alion
3. NRC Staff Questions REFORMATTED Into Three Topical Areas
4. Alion Responses to NRC Staff Questions Reformatted Into Three Topical Areas
5. NRC Staff Questions Supplemented and Including Alion Testing Facility (VUEZ) Site Visit Comments
6. NRC Staff Questions with Problem Statements

CONTACT: Joe Golla, NRR/DPR/PGCB
301-415-1002

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301-415-1002

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ADAMS Accession Number: ML080510080; Pkg Number: ML080510037 NRR-106

OFFICE	NRR/DPR/PGCB: PM	NRR/DPR/PGCB: BC	NRR/DCI/CSGB: BC	NRR/DSS/SSIB: BC
NAME	JGolla JAG	MMurphy MCM	AHiser ALH	MScott
DATE	02/27/2008	03/04/2008	03/17/2008	03/27/2008

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Memo to Michael Scott from Joe Golla Last dated

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SSmith (SJS2)
AHiser (ALH1)
MYoder (MGY)
RChoromokos (rchoromokos@alionscience.com)

List of Telecon Participants October 31, 2007	
Name	**Organization**
Dennis Risenweaver	Alion
Frank Giuliani	Alion
Rob Choromokos	Alion
Andy Rudenko	Alion
Pete Mast	Alion
JH Park	Alion
Pete Stantanopolous	Alion
Eric Mori	Alion
John Lehning	NRC
Matt Yoder	NRC
Paul Klein	NRC
Steve Smith	NRC
Mike Scott	NRC
Clint Shaffer	Ares
Bob Litman	Radiochemistry Laboratory Basics
Allen Hiser	NRC
Joe Golla	NRC

List of Telecon Participants November 29, 2007	
Name	**Organization**
Wendy Repasarda	Exelon
John Butler	NEI
Rob Choromokos	Alion
Pete Hopkins	FPL
Mike Street	Exelon
Brian Davenport	Exelon
Greg Ferguson	Waterford
Lee Sera	Indian point
Pete Wilkens	SONGS
Ed Kimoto	SONGS
Dennis Risenweaver	Alion
Greg Julian	Alion
Gil Zeigler	Alion
Roger Waters	Indian point
Steve Munez	Indian Point
Kirk Troxler	First Energy
Vick Lenenbaum	First Energy
Ed Socaci	First Energy
Brian Dunn	FPL
Paul Leonard	AEP DC Cook
Allen Hiser	NRC

John Lehning	NRC
Matt Yoder	NRC
Mike Scott	NRC
Steve Smith	NRC
Paul Klein	NRC
John Burke	NRC
Ralph Architzel	NRC
Joe Golla	NRC