May 11, 2010

MEMORANDUM TO: Joseph Colaccino, Chief
EPR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

FROM: Jason Jennings, Project Manager ***/RA/***
EPR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

PARTICIPANTS: UNISTAR NUCLEAR, NRC STAFF, MEMBERS OF THE PUBLIC

SUBJECT: SUMMARY OF THE JANUARY 28, 2010, PUBLIC MEETING PRIOR TO SUBMITTAL OF UNISTAR TOPICAL REPORT FOR THE USE OF HIGH DENSITY POLYETHYLENE PIPE IN U.S. EPR AMERICAN SOCIETY OF MECHANICAL ENGINEERS CLASS III, SEISMIC CATEGORY I BURIED PIPE APPLICATIONS

On January 28, 2010, the U.S. Nuclear Regulatory Commission (NRC) held a public meeting at its headquarters, Room O-4B6, 11555 Rockville Pike, Rockville, MD, with representatives of UniStar. The purpose of the meeting was to discuss the subject report with the staff prior to submittal for NRC review. The meeting agenda is provided as Enclosure 1 and attendees are identified in Enclosure 2.

This meeting summary is available in Agencywide Documents Access and Management System (ADAMS) ML100750178. The original meeting notice is contained in ADAMS document ML100110076. Documents in ADAMS are available electronically at the NRC Electronic Reading Room at http://www.nrc.gov/reading-rm/adams.html. If you do not have access to ADAMS or have problems accessing the documents located in ADAMS, contact the NRC Public Document Room (PDR) staff at 1-800-397-4209, 301-415-4737, or pdr@nrc.gov.

The meeting was a Category 1 public meeting during which public is invited to observe these meetings and will have one or more opportunities to communicate with the NRC after the business portions, but before the meetings are adjourned.

The purpose of the meeting was for Unistar to present its approach in its topical report for using high density polyethylene (HDPE) material for safety-related Class 3 buried piping, and for NRC staff to provide feedback on UniStar's proposed path forward prior to the submittal of the subject topical report. The meeting lasted from 1:00 p.m. to 3:00 p.m. A summary of the meeting is provided below.

CONTACT: Jason Jennings, NRO/DNRL
(301) 415-3297

At the beginning of the meeting, UniStar indicated they viewed this issue as important not only to the U.S. EPR combined license (COL) plants (such as Calvert Cliffs Unit 3) but to the industry. UniStar stated that a decision regarding material selection for the Calvert Cliffs Unit 3 application would be made by March 2011. Accordingly, it will be requested that the review of this topical report be completed prior to issuance of the Calvert Cliffs Unit 3 COL. The staff indicated that no decision regarding schedule could be made until the topical report had been received and reviewed.

UniStar then provided an overview of the contents of the topical report, including the technical parameters which are addressed therein. UniStar further stated that this will provide a means to address the Nuclear Energy Institute Buried Pipe Integrity Initiative. Additionally, the report will be aligned with the ongoing development of ASME Code Case N-755-1 for use of HDPE material in buried Class 3 piping systems by the ASME Code. Any exceptions to this alignment will be specifically identified.

Following this presentation, the NRC staff inquired of UniStar how certain technical details were being addressed in the report. This included areas such as slow crack growth, fatigue stresses, qualifications of both joint fusing procedures and visual examiners, and methods and frequency of inservice inspections of the piping. UniStar took note of these areas and indicated that they would all be addressed in the report. Further, the staff pointed out that, visual examinations are the only means of examination being used in the piping industry. The NRC staff has not accepted visual examination alone for acceptance of HDPE pipe joints, and work is currently being performed in the Code to utilize ultrasonic testing as another examination option.

NRC staff also questioned the timing of the report and if it wouldn't be more efficient to wait for this issue to be resolved by the ASME Code Committee. The staff also discussed an option to evaluate the NRC decisions as applicable to previous requests for use of HDPE piping by Catawba and Callaway operating plants.

After the presentation was completed, the members of the public in attendance were given an opportunity for comment prior to the close of the public session of the meeting. No comments were provided by the public during this meeting.

Please direct any inquires concerning this meeting to Jason Jennings at 301-415-3297 or Jason.Jennings@nrc.gov.

Enclosures:
Meeting Agenda
Attendee List

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Enclosures:
Meeting Agenda
Attendee List

DISTRIBUTION:

PUBLIC	JJennings, NRO	RidsNroDnrlNarpResource
NARP R/F	JColaccino, NRO	RidsNroDrnrlResource
DTerao, NRO	JMcLellan, NRO	

ADAMS Accession Number: ML100750175 Pkg. **NRO-002**

OFFICE	DNRL/NARP:PM	DNRL/NARP:LA	DE/CIB1:BC	DNRL/NARP:BC
NAME	JJennings	JMcLellan	DTerao	JColaccino
DATE	04/19 /10	04/19/10	05/10/10	05/11/10

OFFICIAL RECORD COPY

Agenda

January 28, 2010
1:00 p.m. – 4:30 p.m.

Time	Topic	Led by
1:00 p.m.	Opening Remarks and Introductions	NRC/UniStar
1:10 p.m.	UniStar Nuclear Energy Discussion of a Topical Report for the Use of High Density Polyethylene (HDPE) Pipe in U.S.EPR ASME Class III, Seismic Category I Buried Pipe Applications	UniStar
3:00 p.m.	Break	
3:15 p.m.	• Proposed Review Schedule • Proprietary Issues • Topical Report Fees	UniStar
4:00 p.m.	Meeting Summary and Action Items	NRC/UniStar
4:15 p.m.	Public Comments and Closing Remarks	
4:30 p.m.	Adjourn	

Note - All times listed are approximate and for planning purposes only. Adjustments may be made during the meeting as necessary.

ENCLOSURE 1

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

ATTENDANCE SHEET

Public Presubmittal Meeting Between NRC and Unistar
Monday, 1/28/2010
1:00 p.m. - 4:30 p.m.
Nuclear Regulatory Commission
11545 Rockville Pike Room 04-B6

	Name	Organization	Contact Info (phone/e-mail)
1.	Jason Jennings	NRC	(301) 415-3297
2.	RON SALVADOR	R&R Global	(267) 242-1942
3.	JC DULSKI	UNISTAR	(410) 470 4904
4.	Richard O'Connell	S&L	312-269-2074
5.	Tom Daley	STPNOC	(361)972-4664
6.	Jacob Schulz	STPNOC	361-972-4712
7.	RICHARD UNGELTER	URS	609-720-3248
8.	Joseph Smith	URS	803 578 7077
9.	Ken Evans	URS	803 370-8016
10.	MARK Spelder	ISCO	248 705 5721
11.	Bill Mookhoek	STPNOC	361 972 7274
12.	Scott Head	STPNOC	311 972 7106
13.	GREG GIBSON	UNISTAR	410-470-4205
14.	STEVE MANNON	URS	(803) 578-7004
15.	Janis Ossmann	Shaw-Stone & Webster	617-589-5839
16.	DUTPOY akivia	UNISTAR	410-470-5550

ENCLOSURE 2