

April 5, 2011

MEMORANDUM TO: Mark Kowal, Branch Chief  
Technical Specifications and ITAAC Branch  
Division of Construction Inspection  
& Operational Programs  
Office of New Reactors

FROM: Mahmoud Jardaneh, Reactor Operations Engineer */RA/*  
Technical Specifications and ITAAC Branch  
Division of Construction Inspection  
& Operational Programs  
Office of New Reactors

PARTICIPANTS: Public, Industry, and NRC Staff

SUBJECT: SUMMARY OF MARCH 10, 2011, NUCLEAR REGULATORY  
COMMISSION CONSTRUCTION INSPECTION PROGRAM  
CATEGORY 2 PUBLIC MEETING WITH SOTHERN NUCLEAR  
COMPANY, WESTINGHOUSE, AND THE GENERAL PUBLIC

On March 10, 2011, the Nuclear Regulatory Commission, Office of New Reactors (NRO) held a public meeting to discuss various topics relating to the Simulated Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Closure and Verification Demonstration (Agencywide Documents Access and Managements System (ADAMS) Accession Number ML110530326). The purpose of the meeting was to discuss with Southern Nuclear Company (SNC) and Westinghouse Electric Company (WEC) issues related to the simulated ITAAC closure and verification demonstration and solicit feedback from industry and members of the public on the progress made in various topics related to the lessons learned, the Draft *Federal Register* Notice and checklist, and Tier 1 definition of Functional Arrangement.

The meeting began with a tabletop discussion between staff from the Division of Construction Inspection and Operational Programs (DCIP), WEC, and SNC on the results of the Staff's review of the ITAAC Closure Letters resubmitted as part of the Simulated ITAAC Closure and Verification Demonstration.

Enclosures:  
As Stated

CONTACT: Mahmoud Jardaneh, NRO/DCIP  
(301) 415-2753

Mahmoud Jardaneh of DCIP presented on the ITAAC Completion *Federal Register* Notice (FRN) (ML110700175). The presentation provided details about the ITAAC Completion FRN template used as part of the Simulated ITAAC Closure and Verification Demonstration Project. Additionally, staff shared a draft of an ITAAC Determination Basis checklist used in verifying the closure of ITAAC. During actual construction under Part 52, staff plans to reference this checklist in the FRN and make it publicly available. Next, Christopher Welch of DCIP presented on the AP1000 Tier 1 Functional Arrangement definition (ML110700167). The staff accepted the related ITAAC completion letter, however; the development of additional guidance in this area is planned.

Mahmoud Jardaneh of DCIP and Paulo Albuquerque of SNC presented the preliminary lessons learned from the Simulated ITAAC Closure and Verification Demonstration Project (ML110700159) and (ML110700141). The discussion briefly covered lessons learned categorized into five main topics: Communication, IT Infrastructure, Inspections, ITAAC Completion Packages, and ITAAC Closure Verification. A full discussion on these lessons learned will take place at the March 31, 2011 Construction Inspection Program (CIP) Category III Public Workshop. Additionally, potential ITAAC closure follow-up actions will be discussed at a future meeting. The meeting concluded with a presentation from DSRA's Malcolm Patterson on the Design Reliability Assurance Program (D-RAP) ITAAC. This presentation included a discussion on the overlap between inspections for Engineering Design Verification (EDV) and D-RAP as well as a discussion on the possibility of satisfying some D-RAP requirements through EDV Inspections. A list of meeting attendees is attached.

The planned dates for the next three CIP Category III public meetings for the calendar year 2011 are:

- March 31 (held)
- June 2
- July 28

Members of the public were in attendance and Public Meeting Feedback forms were distributed and submitted according to standard protocols. Please direct any inquiries to Mahmoud Jardaneh at (301) 415-2753 or Mahmoud.Jardaneh@nrc.gov.

cc w/encl:  
See next page

Mahmoud Jardaneh of DCIP presented on the ITAAC Completion *Federal Register* Notice (FRN) (ML110700175). The presentation provided details about the ITAAC Completion FRN template used as part of the Simulated ITAAC Closure and Verification Demonstration Project. Additionally, staff shared a draft of an ITAAC Determination Basis checklist used in verifying the closure of ITAAC. During actual construction under Part 52, staff plans to reference this checklist in the FRN and make it publicly available. Next, Christopher Welch of DCIP presented on the AP1000 Tier 1 Functional Arrangement definition (ML110700167). The staff accepted the related ITAAC completion letter, however; the development of additional guidance in this area is planned.

Mahmoud Jardaneh of DCIP and Paulo Albuquerque of SNC presented the preliminary lessons learned from the Simulated ITAAC Closure and Verification Demonstration Project (ML110700159) and (ML110700141). The discussion briefly covered lessons learned categorized into five main topics: Communication, IT Infrastructure, Inspections, ITAAC Completion Packages, and ITAAC Closure Verification. A full discussion on these lessons learned will take place at the March 31, 2011 Construction Inspection Program (CIP) Category III Public Workshop. Additionally, potential ITAAC closure follow-up actions will be discussed at a future meeting. The meeting concluded with a presentation from DSRA's Malcolm Patterson on the Design Reliability Assurance Program (D-RAP) ITAAC. This presentation included a discussion on the overlap between inspections for Engineering Design Verification (EDV) and D-RAP as well as a discussion on the possibility of satisfying some D-RAP requirements through EDV Inspections. A list of meeting attendees is attached.

The planned dates for the next three CIP Category III public meetings for the calendar year 2011 are:

- March 31 (held)
- June 2
- July 28

Members of the public were in attendance and Public Meeting Feedback forms were distributed and submitted according to standard protocols. Please direct any inquiries to Mahmoud Jardaneh at (301) 415-2753 or Mahmoud.Jardaneh@nrc.gov.

cc w/encl:  
See next page

DISTRIBUTION:  
See next page

**ADAMS Accession No: ML110950199**

NRC-001

OFFICE	NRO/DCIP/CTSB	NRO/DCIP/CTSB: BC
NAME	Mahmoud Jardaneh	Mark Kowal
DATE	04/05/2011	04/05/2011

**OFFICIAL RECORD COPY**

Memo to Mark Kowal from Mahmoud Jardaneh dated April 5, 2011.

SUBJECT: SUMMARY OF MARCH 10, 2011, NUCLEAR REGULATORY COMMISSION  
CONSTRUCTION INSPECTION PROGRAM CATEGORY 2 PUBLIC MEETING WITH  
SOTHERN NUCLEAR COMPANY, WESTINGHOUSE, AND THE GENERAL PUBLIC

DISTRIBUTION:

PUBLIC

CTSB r/f

RidsNroDcipCcib

RidsRgn2MailCenter

RidsNroDcipCtsb

RidsOgcMailCenter

RidsNroDcip

RidsOpaMail

RidsAcrcAcnwMailCenter

RidsNsirDprDdep

RidsNroDcipCaeb

RidsNroDcipCipb

Mahmoud Jardaneh

Laura Dudes

John Tappert

Mohammed Shuaibi

**Attendance List  
Category 2 Public Meeting (NRO)  
Two White Flint North  
March 10, 2011**

**Attendance List**

Name	Organization
Albuquerque, Paulo	SNC
Arrighi, Russell	NRC
Bedford, Brian	Westinghouse
Bell, Russ	NEI
Blamey, Alan	NRC
Boch, Daniel	MNES
Brown, Mike	NRC
Bryant, Barry	Dominion
Budzynski, John	NRC
Campbell, Patricia	GEH
Cerafici, Thomas	Bechtel Power
Chapman, Travis	NRC
Cheung, Calvin	NRC
Chopra, Om	NRC
Cphoon, John	Kiewit
Dykert, Jason	NRC
Fray, Joseph	Morgan Lewis
Fredette, Thomas	NRC
Gaslevic, James	NRC
Gilanshahi, Nikki	NRC
Giles, Julie	SCANA
Gilligan, Bernard	Hitachi Power Systems America
Grant, Eddie R.	Nustart/Excel
Hull, John	NRC
Jardaneh, Mahmoud	NRC
Johnson, Andrea	NRC
Kang, Peter	NRC
Kleeh, Edmund	NRC
Kowal, Mark	NRC
Lapish, Charles	MNES
Laura, Rich	NRC

ENCLOSURE

Miller, Tom	DOE
Newton, Randy	Duke
Nolan, Ryan	NRC
Oddo, John	Shaw Group
Oesterle, Eric	NRC
Patterson, Malcolm	NRC
Ray, Thom	Westinghouse
Rivera, Nilda	NRC
Schlaseman, Caroline	MPR/TANE
Szoch, Rick	UNISTAR
Tappert, John	NRC
Van Haltern, Martin	WEC
Waites, Brandon	SNC
Welch, Christopher	NRC
Wheeler, Larry	NRC
Wilson, Jerry	NRC

Construction Inspection Program Mailing List

(Revised 01/04/2011)

cc:

Mr. Edward L. Quinn  
Longenecker and Associates  
Utility Operations Division  
23292 Pompeii Drive  
Dana Point, CA 92629

Mr. Carl E. Parry, President  
Utilities Service Alliance, Inc.  
9200 Indian Creek Parkway  
Suite 201  
Overland Park, KS 66210

Mr. Lionel Batty  
Nuclear Business Team  
Graftech  
12300 Snow Road  
Parma, OH 44130

Mr. Robert E. Sweeney  
IBEX ESI  
4641 Montgomery Avenue  
Suite 350  
Energy Program Bethesda, MD 20814

Ms. Michele Boyd  
Legislative Director  
Public Citizens Critical Mass Energy  
and Environmental Program  
215 Pennsylvania Avenue, SE  
Washington, DC 20003

Mr. Gary Wright, Director  
Division of Nuclear Facility Safety  
Illinois Emergency Management Agency  
1035 Outer Park Drive  
Springfield, IL 62704

Mr. Ian M. Grant  
Canadian Nuclear Safety Commission  
280 Slater Street, Station B  
P.O. Box 1046  
Ottawa, Ontario  
K1P 5S9

Mr. Paul Leventhal  
Nuclear Control Institute  
1000 Connecticut Avenue, NW  
Suite 410  
Washington, DC 20036

Mr. Eugene S. Grecheck  
Vice President  
Nuclear Support Services  
Dominion Energy, Inc.  
5000 Dominion Blvd.  
Glen Allen, VA 23060

Mr. Brendan Hoffman  
Research Associate on Nuclear Energy  
Public Citizens Critical Mass Energy and  
Environmental Program  
215 Pennsylvania Avenue, SE  
Washington, DC 20003

Manager  
GT-MHR Safety & Licensing  
General Atomics Company  
PO Box 85608  
San Diego, CA 92186-5608

Mr. Ed Wallace, General Manager  
Projects  
PBMR Pty LTD  
PO Box 9396  
Centurion 0046  
Republic of South Africa

Mr. Dobie McArthur  
Director, Washington Operations  
General Atomics  
1899 Pennsylvania Avenue, NW, Suite 300  
Washington, DC 20006

David L. Robillard  
Principal Nuclear Engineer  
PO Box 236, M/C NDC7  
Hancocks Bridge, NJ 08038

Ken Scarola  
Nuclear Automation Engineering, LLC  
3672 Pine Tree Ln.  
Murrysville, PA 15668  
Phone: 412-612-1192



Construction Inspection Programming Mailing List

(Revised 04/05/2011)

Email

APAGLIA@Scana.com (Al Paglia)  
APH@NEI.org (Adrian Heymer)  
awc@nei.org (Anne W. Cottingham)  
barry.bryant@dom.com (Barry Bryant)  
BrinkmCB@westinghouse.com (Charles Brinkman)  
Carellmd@westinghouse.com (Mario D. Carelli)  
carey.fleming@constellation.com (Carey Fleming)  
charles.bagnal@ge.com (Charles Bagnal)  
cschlaseman@mpr.com (Caroline Schlaseman)  
CumminWE@Westinghouse.com (Edward W. Cummins)  
cwaltman@roe.com (C. Waltman)  
david.hastie@shawgrp.com (David Hastie)  
david.hinds@ge.com (David Hinds)  
david.lewis@pillsburylaw.com (David Lewis)  
dwgwyn@moxproject.com (Dealis Gwyn)  
donald.woodlan@luminant.com (Donald Woodlan)  
draleigh@scientech.com (Deann Raleigh)  
ecullington@earthlink.net (E. Cullington)  
eddie.grant@excelservices.com (Eddie Grant)  
erg-xl@cox.net (Eddie R. Grant)  
garry.miller@pgnmail.com (Garry D. Miller)  
gcesare@enercon.com (Guy Cesare)  
GovePA@BV.com (Patrick Gove)  
greshaja@westinghouse.com (James Gresham)  
gzinke@entergy.com (George Alan Zinke)  
james.beard@gene.ge.com (James Beard)  
jason.parker@pillsburylaw.com (Jason Parker)  
jean-pierre.berger@edf.com (J Pierre Berger)  
jerald.head@ge.com (Jerald G. Head)  
jgutierrez@morganlewis.com (Jay M. Gutierrez)  
jim.riccio@wdc.greenpeace.org (James Riccio)  
jim@ncwarn.org (Jim Warren)  
JJNesrsta@cpsenergy.com (James J. Nesrsta)  
john.oddo@shawgrp.com (John Oddo)  
John.O'Neill@pillsburylaw.com (John O'Neill)  
Joseph\_Hegner@dom.com (Joseph Hegner)  
junichi\_uchiyama@mnes-us.com (Junichi Uchiyama)  
KSutton@morganlewis.com (Kathryn M. Sutton)  
kwaugh@impact-net.org (Kenneth O. Waugh)  
larry.taylor@pgnmail.com (Larry Taylor)  
lchandler@morganlewis.com (Lawrence J. Chandler)  
Marc.Brooks@dhs.gov (Marc Brooks)  
maria.webb@pillsburylaw.com (Maria Webb)

marilyn.kray@exeloncorp.com  
mark.beaumont@wsms.com (Mark Beaumont)  
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)  
media@nei.org (Scott Peterson)  
mgiles@entergy.com (M. Giles)  
mike\_moran@fpl.com (Mike Moran)  
MSF@nei.org (Marvin Fertel)  
murawski@newsobserver.com (John Murawski)  
mwetterhahn@winston.com (M. Wetterhahn)  
nirsnet@nirs.org (Michael Mariotte)  
patriciaL.campbell@ge.com (Patricia L. Campbell)  
paul.gaukler@pillsburylaw.com (Paul Gaukler)  
Paul@beyondnuclear.org (Paul Gunter)  
pshastings@duke-energy.com (Peter Hastings)  
raytj@westinghouse.com (Thom Ray)  
rclary@scana.com (Ronald Clary)  
RJB@NEI.org (Russell Bell)  
RKTemple@cpsenergy.com (R.K. Temple)  
robert.kitchen@pgnmail.com (Robert H. Kitchen)  
sabinski@suddenlink.net (Steve A. Bennett)  
sandra.sloan@areva.com (Sandra Sloan)  
sfrantz@morganlewis.com (Stephen P. Frantz)  
skip.butler@ge.com (Skip Butler)  
stephan.moen@ge.com (Stephan Moen)  
steven.hucik@ge.com (Steven Hucik)  
trsmith@winston.com (Tyson Smith)  
Vanessa.quinn@dhs.gov (Vanessa Quinn)  
Wanda.K.Marshall@dom.com (Wanda K. Marshall)  
whorin@winston.com (W. Horin)  
William.maher@fpl.com (William Maher)

(From DCIP list)

kenneth.ainger@exeloncorp.com (Kenneth Ainger)  
llbauman@aol.com  
pdblanch@comcast.net (Paul Blanch)  
barry.bryant@dom.com (Barry Bryant)  
timothy.clouser@luminant.com (Timothy Clouser)  
tdcosby@tva.gov (Thomas D. Cosby)  
steven\_dolley@platts.com (Steven Dolley)  
jrfergus@duke-energy.com (J. Robert Ferguson)  
mark.flaherty@constellation.com (Mark Flaherty)  
frickwg@songs.sce.com (Willis Frick)  
jfulto1@entergy.com (Jack Fulton)  
bpgarde@aol.com (Billie Garde)  
ecg@nei.org (Ellen Ginsberg)  
sbhaber@hpacorp.com (Sonja Haber)  
ghalnon@firstenergycorp.com (Greg Halnon)  
hundrupa@gao.gov (Alyssa Hundrup)  
howard\_levin@msn.com (Howard Levin)  
lynchje@inpo.org (Jim Lynch)  
fcmashburn@tva.gov (Fred Mashburn)  
brian.mccabe@pgnmail.com (Brian McCabe)  
arp@nei.org (Tony Pietrangelo)  
caprice@firstenergycorp.com (Clark A. Price)  
drepka@winston.com (David Repka)  
elliott.rosenfeld@dep.state.nj.us (Elliot Rosenfeld)  
dashurberg@hpacorp.com (Debbie Shurberg)  
marlene.taylor@exeloncorp.com (Marlene Taylor)  
satconsult@msn.com (Spyros Traiforos)  
lfvaughn@duke-energy.com (Lisa Vaughn)  
dwoodla1@txu.com (D.R. Woodlan)  
kenneth.wade@nuclear.energy.gov (Kenneth Chuck Wade)  
jim\_sommerville@mail.dnr.state.ga.us (Jim Sommerville)  
jenkinse@dhec.sc.gov (Susan Jenkins)  
alice.rogers@dshs.state.tx.us (Alice Rogers)  
elyman@ucsusa.org (Ed Lyman)  
sgray@dnr.state.md.us (Susan Gray)  
GWilliams@coreworxinc.com (Glenn Williams)  
KenScarola@NuclearAutomation.com (Ken Scarola)