

July 21, 2010

MEMORANDUM TO: Tim Frye, Branch Chief
Construction Assessment, Enforcement, and Allegations Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

FROM: Kevin Mattern, Physical Scientist **/RA/**
Construction Assessment, Enforcement, and Allegations Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

PARTICIPANTS: Public, Industry, and NRC Staff

SUBJECT: SUMMARY OF JULY 14, 2010, NRC CONSTRUCTION REACTOR
OVERSIGHT PROCESS (cROP) CATEGORY 2 PUBLIC MEETING
WITH THE INDUSTRY AND THE GENERAL PUBLIC

On July 14, 2010, the NRC Construction Reactor Oversight Process (cROP) Working Group (WG) met with the cROP Task Force led by the Nuclear Energy Institute (NEI) and interested members of the public at the Residence Inn Hotel in Bethesda, MD (Agencywide Documents Access and Management System (ADAMS) Accession Number ML101660137). The purpose of the meeting was to continue discussions regarding the oversight and assessment of new commercial reactor construction. The NRC cROP WG is led by Tom Kozak, Office of New Reactors (NRO), and the cROP Task Force is led by Tom Houghton, NEI.

The meeting began with remarks by Tom Kozak who described the cROP working group's activities to date along with their planned future interactions with both internal and external stakeholders. The working group continued discussions regarding the Significance Determination Process (SDP) which is being developed to determine the significance of findings identified during implementation of the construction inspection program. The working group also initiated discussions on performance indicators (PIs) and an action matrix approach to NRC response.

Mr. Kozak described the latest draft revision of the Significance Determination Process (SDP) flow chart and risk matrix for construction (ML101820479) which was developed by the NRC Working Group and presented at the July 1, 2010 Category III public meeting for the Construction Inspection Program (CIP). The SDP flow chart describes paths to escalate findings from green to white, yellow, or red, depending on the answers to specific questions. The latest revision focuses on targeted Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC). The group discussed incorporating risk into the flow chart and alternatives to targeted ITAAC for the escalating questions.

CONTACT: Kevin Mattern, NRO/DCIP/CAEB
301-415-6622

The group also discussed an alternate approach to determine the significance of construction findings called the risk matrix, which aims to be more risk informed and objective. It uses a matrix approach with "degree of non-conformance" on the y-axis and "risk importance" on the x-axis. Discussions centered on several different approaches to incorporate risk and the assignment of point values relating to the degree of nonconformance in order to transition between rows and columns within the matrix.

Mr. Kozak gave a brief presentation on PIs (ML101530172) which described the desirable traits of an effective PI. The traits discussed were in alignment with the implementation and refinement of PIs in the current ROP. The group was in agreement that PIs have been effective for operating reactors and have the potential to be an effective tool during construction, but that developing objective, risk informed, and predictable PIs for construction would require additional knowledge and experience. Also, it was noted that setting appropriate thresholds to encourage appropriate licensee actions would require additional insights prior to implementation. Therefore the group anticipates recommending that a placeholder be kept open in the cROP for PIs if and when they are developed for construction.

Finally, Mr. Kozak discussed the current assessment process and the development of appropriate agency response to degraded performance. Tom used the Construction Response Table from Inspection Manual Chapter (IMC) 2505 (ML093170763) and the Action Matrix from IMC 0305 (ML093421300) to illustrate potential options for consideration. The discussions centered around the number of columns required, the entry conditions into particular columns, and action by both the licensee and NRC dictated by each column. The group will continue detailed discussions on an action matrix approach at the next public meeting.

A list of meeting attendees is attached. The cROP Working Group will discuss its progress and continue developmental discussions at the next Category 2 public meeting which will be held on August 5, 2010 from 1:00 p.m. to 4:00 p.m. at the Legacy Hotel in Rockville, MD. Additionally, the cROP will be discussed at the next Construction Inspection Program (CIP) Category 3 public meeting scheduled for August 19, 2010 at NRC Headquarters (TWFN Auditorium) in Rockville, MD.

T. Frye

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Members of the public were in attendance and Public Meeting Feedback forms were distributed with none returned or submitted according to standard protocols. Please direct any inquiries to me at 301-415-6622, or Kevin.Mattern@nrc.gov.

Enclosures:

As stated

cc w/encl: See next page

T. Frye

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As stated

cc w/encl: See next page

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OFFICE	NRO/DCIP/CAEB	NRO/DCIP/CAEB:BC
NAME	K. Mattern	T. Frye
DATE	07/21/10	07/21/10

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**Attendance List
Category 2 Public Meeting (cROP)
Residence Inn Hotel
July 14, 2010**

Attendance List

Name	Organization
Bryant, Barry	Dominion
Burdick, Stephen	Morgan Lewis
Campbell, Lisa	PWC
Copeland, Doug	NRC
Dolley, Steven	Platts
Dube, Don	NRC
Frahm, Ronald	NRC
Gardner, George	NRC
Gibson, Greg	UniStar
Gwyn, Dealis	MOX Services
Jimenez, Jose	NRC
Karlovich, Nick	NRC
Kerr, Chris	Exelon
Kinard, James	Areva
Kozak, Tom	NRC
Lukes, Bob	NRC
Mahan, Howard	Southern Company
Mattern, Kevin	NRC
Meyer, Glenn	NRC
Mookhoek, W. E.	STPNOC
Rice, April	SCE&G
Robillard, Dave	PSEG Nuclear LLC
Roche, Kevin	NRC
Sanfilippo, Nathan	NRC
Schlaseman, Caroline	MPR/TANE
Schmitt, Ron	NRC
Taylor, Larry	Progress Energy

ENCLOSURE

Construction Inspection Program Mailing List

(Revised 6/15/2010)

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 Program Mailing List

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)
chris.maslak@ge.com (Chris Maslak)
christian.martel@aerjoule.com (Christian Martel)
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)
debbie.johnson@fluor.com (Debbie Johnson)
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)
gwcurtis2@tva.gov (G. W. Curtis)
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)
regservices@scientechnology.com (Reg Service)
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)
SauerB@BV.com (Robert C. Sauer)
sfrantz@morganlewis.com (Stephen P. Frantz)
skip.butler@ge.com (Skip Butler)
stephan.moen@ge.com (Stephan Moen)
steven.hucik@ge.com (Steven Hucik)
Support@SaporitoEnergyConsultants.com (Thomas Saporito)
trsmith@winston.com (Tyson Smith)
Vanessa.quinn@dhs.gov (Vanessa Quinn)
VictorB@bv.com (Bill Victor)
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)
jaudis1@txu.com (John Audas)
llbauman@aol.com
darin.benyak@pseg.com (Darin Benyak)
pmb Blanch@comcast.net (Paul Blanch)
barry.bryant@dom.com (Barry Bryant)
timothy.clouser@luminant.com (Timothy Clouser)
david_m_collins@dom.com (David Collins)
tdcosby@tva.gov (Thomas D. Cosby)
mtc@nei.org (Mike Coyle)
steven_dolley@platts.com (Steven Dolley)
cxe@nei.org (Chris Earls)
jrfergus@duke-energy.com (J. Robert Ferguson)
fitzpatrickwe@inpo.org (Bill Fitzpatrick)
mark.flaherty@constellation.com (Mark Flaherty)
frickwg@songs.sce.com (Willis Frick)
equinox.consulting.llc@earthlink.net (Eric Fries)
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)
kah@nei.org (Tony Harris)
dllaberdee@firstenergycorp.com (Dee Haskins)
hlhay@becthel.com (Howard Lane Hay)
hundrupa@gao.gov (Alyssa Hundrup)
wrkanda@firstenergycorp.com (Bill Kanda)
kolarick@gao.gov (Carol Kolarik)
howard_levin@msn.com (Howard Levin)
lynchje@inpo.org (Jim Lynch)
rich.mallory@eh.doe.gov (Rich Mallory)
fcmashburn@tva.gov (Fred Mashburn)
brian.mccabe@pgnmail.com (Brian McCabe)
wemookhoeke@stpegs.com (W.E. Mookhoeke)
arp@nei.org (Tony Pietrangelo)
caprice@firstenergycorp.com (Clark A. Price)
dreпка@winston.com (David Repka)
elliott.rosenfeld@dep.state.nj.us (Elliot Rosenfeld)
dashurberg@hpacorp.com (Debbie Shurberg)
strikkersd@gao.gov (Dave Strikkers)
jrsumpt@nppd.com (Jim Sumpter)
marlene.taylor@exeloncorp.com (Marlene Taylor)
satconsult@msn.com (Spyros Traiforos)
ctyler@winston.com (Catherine Tyler)
lfvaughn@duke-energy.com (Lisa Vaughn)
dwoodla1@txu.com (D.R. Woodlan)
zemenskir@dtenergy.com (Robert Zemenski)
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)