

July 20, 2009

APPLICANT: South Texas Project Nuclear Operating Company **/RA/**

FACILITY: South Texas Project Units 3 and 4

SUBJECT: SUMMARY OF CLOSED MEETING HELD ON MAY 20, 2009, TO DISCUSS
FIELD PROGRAMMABLE GATE ARRAY-BASED INSTRUMENTATION AND
CONTROL SYSTEMS RELATED TO THE SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY'S, UNITS 3 AND 4 COMBINED LICENSE
APPLICATION

On May 20, 2009, the U.S. Nuclear Regulatory Commission (NRC) staff held a closed meeting in Rockville, Maryland, with members of the South Texas Project Nuclear Operating Company (STPNOC). The purpose of this meeting was for STPNOC to provide an overview of the South Texas Project Units 3 and 4 field programmable gate array (FPGA) technology.

The material presented included a technical discussion on non-rewritable FPGA based reactor trip and isolation system and neutron monitoring system, FPGA-based organization and processes, and a follow up discussion on the topics previously discussed on the May 7, 2009 closed meeting.

The list of attendees is provided in Enclosure 1. By letter dated June 8, 2009 (ADAMS Accession No. ML091620394), STPNOC submitted the slides (proprietary) used for the FPGA presentation. The redacted (non-proprietary) slides can be found in ADAMS Accession No. ML091620395.

CONTACT: Adrian Muñoz, NRO/DNRL
301-415-4093
Adrian.Muniz@nrc.gov

Enclosure:
As stated

Docket No.: 52-012
52-013

July 20, 2009

APPLICANT: South Texas Project Nuclear Operating Company /RA/

FACILITY: South Texas Project Units 3 and 4

SUBJECT: SUMMARY OF CLOSED MEETING HELD ON MAY 20, 2009, TO DISCUSS
FIELD PROGRAMMABLE GATE ARRAY-BASED INSTRUMENTATION AND
CONTROL SYSTEMS RELATED TO THE SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY'S, UNITS 3 AND 4 COMBINED LICENSE
APPLICATION

On May 20, 2009, the U.S. Nuclear Regulatory Commission (NRC) staff held a closed meeting in Rockville, Maryland, with members of the South Texas Project Nuclear Operating Company (STPNOC). The purpose of this meeting was for STPNOC to provide an overview of the South Texas Project Units 3 and 4 field programmable gate array (FPGA) technology.

The material presented included a technical discussion on non-rewritable FPGA based reactor trip and isolation system and neutron monitoring system, FPGA-based organization and processes, and a follow up discussion on the topics previously discussed on the May 7, 2009 closed meeting.

The list of attendees is provided in Enclosure 1. By letter dated June 8, 2009 (ADAMS Accession No. ML091620394), STPNOC submitted the slides (proprietary) used for the FPGA presentation. The redacted (non-proprietary) slides can be found in ADAMS Accession No. ML091620395.

CONTACT: Adrian Muñiz, NRO/DNRL
301-415-4093
Adrian.Muniz@nrc.gov

Enclosure:

As stated

Docket No.: 52-012
52-013

cc: See next page

DISTRIBUTION:

PUBLIC	TGovan, NRO	IJung, NRO
NGE 1/2 R/F	RFoster, NRO	BSosa, NRO
GWunder, NRO	EEagle, NRO	RAnand, NRO
AMuñiz, NRO	KMott, NRO	JAshcraft, NRO
GWunder, NRO	DTaneja, NRO	HLi, NRO
BAbeywickrama, NRO	JZhao, NRO	RidsAcrsAcnwMailCenter
RidsOgcMailCenter	SRhow, NRO	WRoggenbrodt, NRO

ADAMS Accession Numbers.:

Package: ML091900551 Summary: ML091900529 NRO-002

OFFICE	PM:NRO:DNRL:NGE2	LA:NRO:DNRL:NGE2
NAME	AMuñiz	BAbeywickrama
DATE	07/20/09	07/13/09

OFFICIAL RECORD COPY

**MEETING WITH SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY TO
DISCUSS FIELD PROGRAMMABLE GATE ARRAY TECHNOLOGY**

**May 20, 2009
1:00 p.m. - 5:00 p.m.**

ATTENDEES LIST

NAME	ORGANIZATION
Dinesh Taneja	NRC
Jack Zhao	NRC
Sang Rhow	NRC
Ian Jung	NRC
Scott Head	South Texas Project
Naotaka Oda	Toshiba
Kyle Dittiman	South Texas Project
Michael Murray	South Texas Project
Craig Swanner	TANE (MPR)
Adrian Muniz	NRC
Hulbert Li	NRC
Joseph M. Ashcraft	NRC
Mark Stofko	Westinghouse
Bill Roggenbrodt	NRC
Rocky Foster	NRC
Eugene O. Eagle Jr.	NRC
Robert Quinn	Westinghouse
Ken Mott	NRC
Jerry Mauck	South Texas Project
Mark Santschi	Sargent and Lundy
Fumihiko Ishibashi	Toshiba America Nuclear Energy Corp.
Jun Ikeda	Toshiba America Nuclear Energy Corp.
Shigeru Suzulki	Toshiba
Toshifumi Sato	Toshiba
David Herrell	MPR Associates

COL STP Nuclear - South Texas Mailing List
cc:

(Revised 06/15/2009)

Certrec Corporation
4200 South Hulen, Suite 422
Fort Worth, TX 76109

Mr. Brian Almon
Public Utility Commission
William B. Travis Building
PO Box 13326
1701 North Congress Avenue
Austin, TX 78701-3326

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

C. M. Canady
City of Austin
Electric Utility Department
721 Barton Springs Road
Austin, TX 78704

Mr. Ted Enos
4200 South Hulen
Suite 422
Ft. Worth, TX 76109

Ms. Susan M. Jablonski
Office of Permitting, Remediation
and Registration
Texas Comm. on Env. Quality
MC-122
P.O. Box 13087
Austin, TX 78711-3087

Judge
Matagorda County
Matagorda County Courthouse
1700 Seventh Street
Bay City, TX 77414

C. Kierksey
City of Austin
Electric Utility Department
721 Barton Springs Road
Austin, TX 78704

M. A. McBurnett
VP, Oversight/Regulatory Affairs
STP Nuclear Operating Company
4000 Avenue F, Suite A
Bay City, TX 77414

Bill Mookhoek
Licensing Supervisor
STP Units 3 and 4
Project Electric Generating Station
P.O. Box 289
Wadsworth, TX 77483

Mr. Terry Parks
Chief Inspector
Texas Department of Licensing
and Regulation
Boiler Division
P.O. Box 12157
Austin, TX 78711

Kathy C. Perkins, RN, MBA
Assistant Commissioner
Division for Regulatory Services
Texas Department of State Health Services
P.O. Box 149347
Austin, Texas 78714-9347

Policy Director
Environmental and Natural Resources
P. O. Box 12428
Austin, TX 78711-3189

Mr. Frank M. Quinn
8 Oak Avenue
Gaithersburg, MD 20877-2705

COL STP Nuclear - South Texas Mailing List

Regional Administrator
Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive
Suite 400
Arlington, TX 76011-8064

Alice Hamilton Rogers, PE
Inspections Unit Manager
Texas Department of State Health Services
P.O. Box 149347
Austin, Texas 78714-9347

J. J. Sheppard
President & CEO
STP Nuclear Operating Company
P.O. Box 289
Wadsworth, TX 77483

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

Mr. Steve Winn
STP Nuclear Operating Company
1301 McKinney, Suite 2300
Houston, TX 77010

Mr. Jon C. Wood
Cox, Smith, & Matthews
112 East Pecan, Suite 1800
San Antonio, TX 78205

COL STP Nuclear - South Texas Mailing List

Email

APH@NEI.org (Adrian Heymer)
awc@nei.org (Anne W. Cottingham)
BrinkmCB@westinghouse.com (Charles Brinkman)
chris.maslak@ge.com (Chris Maslak)
cindyrae_52@yahoo.com
cwaltman@roe.com (C. Waltman)
david.lewis@pillsburylaw.com (David Lewis)
donald.woodlan@luminant.com (Donald Woodlan)
dwstillwell@stpegs.com (Bill Stillwell)
erg-xl@cox.net (Eddie R. Grant)
greshaja@westinghouse.com (James Gresham)
gzinke@entergy.com (George Alan Zinke)
Ingmar.sterzing@lcra.org (Ingmar Sterzing)
jerald.head@ge.com (Jerald G. Head)
jgutierrez@morganlewis.com (Jay M. Gutierrez)
jim.riccio@wdc.greenpeace.org (James Riccio)
JJNesrsta@cpsenergy.com (James J. Nesrsta)
John.O'Neill@pillsburylaw.com (John O'Neill)
Joseph_Hegner@dom.com (Joseph Hegner)
junichi_uchiyama@mnes-us.com (Junichi Uchiyama)
karen@seedcoalition.org (Karen Hadden)
kdrichards@stpegs.com (Kevin Richards)
KSutton@morganlewis.com (Kathryn M. Sutton)
kwaugh@impact-net.org (Kenneth O. Waugh)
lchandler@morganlewis.com (Lawrence J. Chandler)
louis.eichenberger@ge.com (Louis Eichenberger)
mamcburnett@stpegs.com (Mark McBurnett)
Marc.Brooks@dhs.gov (Marc Brooks)
maria.webb@pillsburylaw.com (Maria Webb)
mark.beaumont@wsms.com (Mark Beaumont)
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)
maurerbf@westinghouse.com (Brad Maurer)
media@nei.org (Scott Peterson)
mike_moran@fpl.com (Mike Moran)
MSF@nei.org (Marvin Fertel)
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)
RJB@NEI.org (Russell Bell)
RKTemple@cpsenergy.com (R.K. Temple)
sabinski@suddenlink.net (Steve A. Bennett)
sandra.sloan@areva.com (Sandra Sloan)

COL STP Nuclear - South Texas Mailing List

sfrantz@morganlewis.com (Stephen P. Frantz)
smhead@stpegs.com (Scott Head)
stephan.moen@ge.com (Stephan Moen)
Tansel.Selekler@nuclear.energy.gov (Tansel Selekler)
tom.miller@hq.doe.gov (Tom Miller)
Vanessa.quinn@dhs.gov (Vanessa Quinn)
VictorB@bv.com (Bill Victor)
vochoa@mail.utexas.edu
Wanda.K.Marshall@dom.com (Wanda K. Marshall)
wayne.marquino@ge.com (Wayne Marquino)
wemookhoek@stpegs.com (Bill Mookhoek)
william.maher@fpl.com (William Maher)