

February 7, 2011

Mr. Scott Head, Manager  
Regulatory Affairs  
STP Units 3 & 4  
Nuclear Innovation North America, LLC  
4000 Avenue F  
Bay City, TX 76109

SUBJECT: SOUTH TEXAS PROJECT UNITS 3 AND 4, COMBINED LICENSE  
APPLICATION – ADVANCED SAFETY EVALUATION FOR CHAPTER 5,  
“REACTOR COOLANT SYSTEM AND CONNECTED SYSTEMS”

Dear Mr. Head:

The U.S. Nuclear Regulatory Commission (NRC) staff is preparing a Safety Evaluation (SE) report with no open items (OIs) for each chapter of the South Texas Project Units 3 & 4 Combined License Application (COLA) submitted by STP Nuclear Operating Company (STPNOC) on September 20, 2007.

The staff’s SE for Chapter 5, “Reactor Coolant System and Connected Systems” has been provided to the Advisory Committee on Reactor Safeguards (ACRS) Subcommittee to support the upcoming meeting of the ACRS Subcommittee, scheduled to be held on March 8, 2011.

The enclosed SE is being provided to STPNOC for review of proprietary information. Pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, “Public Inspections, Exemptions, Requests for Withholding,” the staff concludes that the enclosed SE does not contain any information for which exemption from public disclosure has been sought or approved or any factual errors. However, the NRC will withhold the enclosed SE from public disclosure for 10 business days from the date of this letter to allow you the opportunity to verify the staff’s conclusion that the SE contains no such exempt information or any factual errors. If within that ten day period, you do not request that all or portions of the SE be withheld from public disclosure, the enclosure will be made available for public inspection through the NRC Public document room and the Publicly Available Records component of NRC’s Agency wide Documents Access and Management System (ADAMS) and placed on the NRC’s public web page for this application.

**NOTICE: Document transmitted herewith contains sensitive unclassified information. When separated from the enclosure this cover letter is “DECONTROLLED.”**

S. Head

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If you believe that any information in the enclosure is proprietary, please identify such information line by line and define the basis pursuant to the criteria of 10 CFR 2.390.

Sincerely,

**/RA/**

Mark Tonacci, Chief  
BWR Projects Branch  
Division of New Reactor Licensing  
Office of New Reactors

Docket No. 52-012  
52-013

Enclosure:  
Safety Evaluation – Chapter 5

cc w/o encl: See next page

S. Head

- 2 -

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Docket No. 52-012  
52-013

Enclosure:  
Safety Evaluation – Chapter 5

cc w/o encl: See next page

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COL - STP Nuclear - South Texas Mailing List  
cc:

(Revised 01/25/2011)

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

Mr. Ed Halpin  
President & CEO  
STP Nuclear Operating Company  
P.O. Box 289  
Wadsworth, TX 77483

Mr. Scott Head  
Manager, Regulatory Affairs  
STP Units 3 & 4  
Nuclear Innovation North America, LLC  
4000 Avenue F  
Bay City, 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

M. A. McBurnett  
Senior VP, Oversight & Regulatory Affairs  
Nuclear Innovation North America, LLC  
4000 Avenue F  
Bay City, TX 77414

Bill Mookhoek  
Licensing Supervisor  
STP Units 3 and 4  
4000 Avenue F  
Bay City, TX 77414

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

Ms. Jamey Seeley  
General Counsel and Secretary  
Nuclear Innovation North America, LLC  
521 Fifth Avenue, 30th Floor  
New York, NY 10175

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

Mr. Steve Winn  
President and CEO  
Nuclear Innovation North America LLC  
521 Fifth Avenue, 30th Floor  
New York, NY 10175

## 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)  
Derlinda.Bailey@chguernsey.com (Derinda Bailey)  
donald.woodlan@luminant.com (Donald Woodlan)  
dwstillwell@stpegs.com (Bill Stillwell)  
dwuokko@tane.toshiba.com (Dale Wuokko)  
ed.burns@earthlink.net (Ed Burns)  
eliza.seedcoalition@gmail.com (Elza Brown)  
erg-xl@cox.net (Eddie R. Grant)  
gzinke@entergy.com (George Alan Zinke)  
jerald.head@ge.com (Jerald G. Head)  
jim.riccio@wdc.greenpeace.org (James Riccio)  
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)  
ldblaylock@cpsenergy.com (Larry Blaylock)  
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)  
Mark.Crisp@chguernsey.com (Mark Crisp)  
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)  
maurerbf@westinghouse.com (Brad Maurer)  
media@nei.org (Scott Peterson)  
MSF@nei.org (Marvin Fertel)  
nirsnet@nirs.org (Michael Mariotte)  
Nuclaw@mindspring.com (Robert Temple)  
patriciaL.campbell@ge.com (Patricia L. Campbell)  
Paul@beyondnuclear.org (Paul Gunter)  
pbessette@morganlewis.com (Paul Bessette)  
pshastings@duke-energy.com (Peter Hastings)  
RJB@NEI.org (Russell Bell)  
Rschrauder@tane.toshiba.com (Robert Schrauder)  
sabinski@suddenlink.net (Steve A. Bennett)

COL - STP Nuclear - South Texas Mailing List

sandra.sloan@areva.com (Sandra Sloan)  
sfrantz@morganlewis.com (Stephen P. Frantz)  
smhead@stpegs.com (Scott Head)  
stephan.moen@ge.com (Stephan Moen)  
Tansel.Selekler@nuclear.energy.gov (Tansel Selekle)  
tom.miller@hq.doe.gov (Tom Miller)  
Vanessa.quinn@dhs.gov (Vanessa Quinn)  
Wanda.K.Marshall@dom.com (Wanda K. Marshall)  
wayne.marquino@ge.com (Wayne Marquino)  
wemookhoek@stpegs.com (Bill Mookhoek)