

June 6, 2014

APPLICANT: NUCLEAR INNOVATION NORTH AMERICA, LLC.

APPLICATION: SOUTH TEXAS PROJECT, UNITS 3 AND 4, COMBINED LICENSE APPLICATION

SUBJECT: SUMMARY OF THE MAY 13, 2014, TELECONFERENCE MEETING TO DISCUSS OPEN ITEMS AND OUTSTANDING REQUESTS FOR ADDITIONAL INFORMATION RESPONSES RELATING TO NUCLEAR INNOVATION NORTH AMERICA'S SOUTH TEXAS PROJECT, UNITS 3 AND 4, COMBINED LICENSE APPLICATION

On May 13, 2014, a Category 1 public teleconference was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Nuclear Innovation North America, LLC. (NINA). The meeting notice was issued on March 31, 2014, and was documented in the Agencywide Documents Access and Management System under accession number ML14090A305. The purpose of the meeting was to discuss the status of the remaining open items and outstanding requests for additional information (RAIs) responses related to the NINA Combined License Application. A list of attendees is provided as an enclosure.

The following topics were discussed, followed by its outcome:

1. Draft response to RAI 01.05-25 (Fukushima NTTF Recommendation 4.2).

There is no major technical issue with the draft response. However, staff requested that the response should clarify that RCIC can switch suction from suppression pool to CST if necessary; and the use of ACIWA if RCIC is not available. The NRC staff also requested the applicant to revise FSAR Appendix 1E to describe credit of the containment accident pressure to maintain the required RCIC NPSH. Refer to specific section in the FLEX Plan or update the FLEX Plan if this information is not already there.

2. RAI 7518 (01.05-33 to 36).

RAI 7518 is ready to be issued for NINA action to address issues identified in the audit of the station blackout calculation.

3. Spent fuel rack analyses.

The NRC project and staff received the draft RAI 09.01.02-39, 42, 44, 45, 48, 50, 53 and 60 on May 8, 9 and 12, 2014. The NRC staff does not have any further questions and they can be issued as final.

NINA will submit the draft responses to RAI 09.01.02-33, 41 and 49 by May 18, 2014, and RAI 09.01.02-51 by May 23, 2014.

The following discussions were held regarding spent fuel rack design:

1. Difference between true S-S curve and engineering S-S curve by plotting both curves together.
2. For shallow drop, the cell wall is under compression and is modeled using shell element and basis for using true S-S curve for shell element.
3. Discussion of plate/shell elements used in the LS-DYNA model of the cell walls are compatible with use of the true stress-strain curve and the value of Poisson's ratio used in the thickness re-calculation.

NINA will respond to the above question by May 23, 2014.

Please direct any inquiries to me at 301-415-8484, or via e-mail to [Tom.Tai@nrc.gov](mailto:Tom.Tai@nrc.gov).

*/RA/*

Tom M. Tai, Senior Project Manager  
Licensing Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos.: 52-012, 52-013

Enclosure:  
List of Attendees

cc w/encl: See next page

NINA will submit the draft responses to RAI 09.01.02-33, 41 and 49 by May 18, 2014, and RAI 09.01.02-51 by May 23, 2014.

The following discussions were held regarding spent fuel rack design:

4. Difference between true S-S curve and engineering S-S curve by plotting both curves together.
5. For shallow drop, the cell wall is under compression and is modeled using shell element and basis for using true S-S curve for shell element.
6. Discussion of plate/shell elements used in the LS-DYNA model of the cell walls are compatible with use of the true stress-strain curve and the value of Poisson's ratio used in the thickness re-calculation.

NINA will respond to the above question by May 23, 2014.

Please direct any inquiries to me at 301-415-8484, or via e-mail to [Tom.Tai@nrc.gov](mailto:Tom.Tai@nrc.gov).

*/RA/*

Tom M. Tai, Senior Project Manager  
Licensing Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos.: 52-012, 52-013

Enclosure:  
List of Attendees

cc w/encl: See next page

**DISTRIBUTION:**

PUBLIC	SLee, NRO	TRoy, NRO
LB2 R/F	RFoster, NRO	RidsAcrcAcnwMailCenter
RidsOgcMailCenter	RidsNroDnrLb2	RidsNroDnr
JStrnisha, NRO	TScarbrough, NRO	SChakrabarti, NRO
Alsta, NRO	TMartinez-Navedo, NRR	HWagage, NRO
RidsOpaMailCenter	RidsNroLACSmith	

**ADAMS Accession No.: ML14154A015**

NRO-002

<b>OFFICE</b>	NRO/DNRL/LB2: PM	NRO/DNRL/LB2: LA*	NRO/DNRL/LB2: PM
<b>NAME</b>	TTai	CMurphy	TTai
<b>DATE</b>	06/06/2014	06/05/2014	06/06/2014

**OFFICIAL RECORD COPY**

## LIST OF ATTENDEES

Teleconference Meeting with Nuclear Innovation North America, LLC. to Discuss Open Items and Outstanding Requests for Additional Information Responses Relating to the South Texas Project Combined License Application Held on May 13, 2014

<u>NAME</u>	<u>ORGANIZATION</u>
T. Tai	NRC
J. Strnisha	NRC
T. Scarbrough	NRC
S. Chakrabarti	NRC
A. Ista	NRC
T. Roy	NRC
S. Lee	NRC
T. Martinez	NRC
H. Wagage	NRC
W. Mookhoek	NINA
S. Thomas	NINA
S. Head	NINA
R. Scheide	NINA
R. Bense	NINA
J. Fisicaro	TANE
J. Tomkins	NINA
Al Gutterman	Morgan Lewis
C. Bullard	Holtec
E. Kalfazade	Holtec

Enclosure

COL - STP Nuclear - South Texas Mailing List  
cc:

(Revised 05/19/2014)

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

Mr. Peter G. Nemeth  
Crain, Caton & James, P.C.  
P.O. Box 289  
Mail Code: N5005  
Wadsworth, TX 77483

Mr. Scott Head  
Manager, Regulatory Affairs  
NINA STP Units 3 & 4  
122 West Way, Suite 405  
Lake Jackson, TX 77566

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

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

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

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

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

Mr. Dennis Koehl  
CEO and CNO  
STP Nuclear Operating Company  
P.O. Box 289  
Wadsworth, TX 77483

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

Mr. Mark A. McBurnett  
Chief Executive Officer  
and Chief Nuclear Officer  
Nuclear Innovation North America, LLC (NINA)  
122 West Way, Suite 105  
Lake Jackson, TX 77566

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

COL - STP Nuclear - South Texas Mailing List

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

## COL - STP Nuclear - South Texas Mailing List

### Email

awc@nei.org (Anne W. Cottingham)  
baldeich@sbcglobal.net (Louis Eichenberger)  
cindyrae\_52@yahoo.com  
cwaltman@roe.com (C. Waltman)  
david.lewis@pillsburylaw.com (David Lewis)  
donald.woodlan@luminant.com (Donald Woodlan)  
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)  
jerald.head@ge.com (Jerald G. Head)  
jetomkins@ninallc.net (Jim Tomkins)  
Joseph\_Hegner@dom.com (Joseph Hegner)  
karen@seedcoalition.org (Karen Hadden)  
KSutton@morganlewis.com (Kathryn M. Sutton)  
lchandler@morganlewis.com (Lawrence J. Chandler)  
LCJoiner@ninallc.net (Lindsey Joiner)  
ldblaylock@cpsenergy.com (Larry Blaylock)  
mamcburnett@ninallc.net (Mark McBurnett)  
maria.webb@pillsburylaw.com (Maria Webb)  
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)  
rhbense@ninallc.net (Dick Bense)  
rhscheide@ninallc.net (Dick Scheide)  
RJB@NEI.org (Russell Bell)  
rschrauder@tane.toshiba.com (Robert Schrauder)  
sabinski@suddenlink.net (Steve A. Bennett)  
sfrantz@morganlewis.com (Stephen P. Frantz)  
smhead@ninallc.net (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)  
Wanda.K.Marshall@dom.com (Wanda K. Marshall)  
wayne.marquino@ge.com (Wayne Marquino)  
wemookhoek@ninallc.net (Bill Mookhoek)