

June 10, 2014

MEMORANDUM TO: Samuel Lee, Chief
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

FROM: Jessica Umana, Project Manager /RA/
Licensing Branch 3
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: REGULATORY AUDIT REPORT FOR THE REVIEW OF FUEL RACK
DESIGN FOR SOUTH TEXAS PROJECT, UNITS 3 AND 4,
COMBINED LICENSE APPLICATION CHAPTER 9, SECTIONS 9.1.2

By letter dated September 20, 2007, South Texas Project Nuclear Operating Company submitted a combined license application for two new units designated as South Texas Project Units 3 and 4. On January 24, 2011, Nuclear Innovation North America, LLC., became the primary applicant for the license for these two units. On March 3 - 7, 2014, the U.S. Nuclear Regulatory Commission (NRC) staff conducted an on-site audit at the Holtec Engineering office in Marlton, New Jersey. The purpose of the audit was to continue reviewing detailed reports and supporting charts, spreadsheets, calculations and analysis that will aid in resolving technical issues concerning the design of the fuel racks as outlined in Section 9.1.2, "New and Spent Fuel Storage," in Revision 10 of the Final Safety Analysis Report, and the proposed responses to NRC's request for additional information (RAI) 439, and RAI 440, dated November 26, 2013, and December 27, 2013, respectively.

The plan for this audit is documented and can be found in the Agencywide Document Access and Management System (ADAMS) under accession number ML14057A708, dated February 28, 2014. The results of the audit are documented as Enclosure 1 and can be found in ADAMS under accession number ML14153A407. A List of Attendees is provided as Enclosure 2 and can be found in ADAMS under accession number ML14153A424. A List of Documents Made Available to the NRC Staff is provided as Enclosure 3 and can be found in ADAMS under accession number ML14153A419. A list of action items from the audit can be found in ADAMS under accession number ML14153A434. The audit presentation entitled "Dynarack Methodology" can be found in ADAMS under accession number ML14153A434.

Docket Nos.: 52-012, 52-013

Enclosures:
As stated

cc w/encl: See next page

CONTACT: Tarun Roy, NRO/DNRL
301-415-0493

June 10, 2014

MEMORANDUM TO: Samuel Lee, Chief
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

FROM: Jessica Umana, Project Manager /RA/
Licensing Branch 3
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: REGULATORY AUDIT REPORT FOR THE REVIEW OF FUEL RACK
DESIGN FOR SOUTH TEXAS PROJECT, UNITS 3 AND 4,
COMBINED LICENSE APPLICATION CHAPTER 9, SECTIONS 9.1.2

By letter dated September 20, 2007, South Texas Project Nuclear Operating Company submitted a combined license application for two new units designated as South Texas Project Units 3 and 4. On January 24, 2011, Nuclear Innovation North America, LLC., became the primary applicant for the license for these two units. On March 3 - 7, 2014, the U.S. Nuclear Regulatory Commission (NRC) staff conducted an on-site audit at the Holtec Engineering office in Marlton, New Jersey. The purpose of the audit was to continue reviewing detailed reports and supporting charts, spreadsheets, calculations and analysis that will aid in resolving technical issues concerning the design of the fuel racks as outlined in Section 9.1.2, "New and Spent Fuel Storage," in Revision 10 of the Final Safety Analysis Report, and the proposed responses to NRC's request for additional information (RAI) 439, and RAI 440, dated November 26, 2013, and December 27, 2013, respectively.

The plan for this audit is documented and can be found in the Agencywide Document Access and Management System (ADAMS) under accession number ML14057A708, dated February 28, 2014. The results of the audit are documented as Enclosure 1 and can be found in ADAMS under accession number ML14153A407. A List of Attendees is provided as Enclosure 2 and can be found in ADAMS under accession number ML14153A424. A List of Documents Made Available to the NRC Staff is provided as Enclosure 3 and can be found in ADAMS under accession number ML14153A419. A list of action items from the audit can be found in ADAMS under accession number ML14153A434. The audit presentation entitled "Dynarack Methodology" can be found in ADAMS under accession number ML14153A434.

Docket Nos.: 52-012, 52-013

Enclosures:
As stated

CONTACT: Tarun Roy, NRO/DNRL
301-415-0493

DISTRIBUTION:

PUBLIC NroDrmlb2 JXu, NRO
LB3 R/F JUmaana, NRO SChakrabarti, NRO
Alstar, NRO CMurphy, NRO TTai, NRO

ADAMS Accession No:
Package: ML14153A393

NRO-002

OFFICE	DNRL/LB2/PM	DNRL/LB2/LA*	DE/SEB2/BC
NAME	JUmaana	CMurphy	JXu
DATE	06/09/2014	06/04/2014	06/09/2014
OFFICE	DE/SEB2/TR	DNRL/LB2/LPM	
NAME	SChakrabarti	TTai	
DATE	06/09/2014	06/10/2014	

OFFICIAL RECORD COPY

COL - STP Nuclear - South Texas Mailing List

(Revised 05/19/2014)

cc:

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 Seleklek)
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)