

February 27, 2007

APPLICANT: NRG Energy, Inc.

SUBJECT: SUMMARY OF JANUARY 25, 2007, CATEGORY 1 MEETING WITH NRG ENERGY INC. REGARDING AN INTENDED FUTURE APPLICATION FOR A COMBINED LICENSE FOR TWO UNITS AT THE SOUTH TEXAS PROJECT SITE

On January 25, 2007, the staff met with representatives of NRG Energy, Inc. (NRG) and the South Texas Project Nuclear Operating Company (STPNOC) to continue discussing NRG's and STPNOC's (the applicants') plans to apply for a combined license (COL) for the construction and operation of two Advanced Boiling Water Reactors (ABWRs) at the South Texas Project site, southwest of Houston, Texas. The applicants refer to these future units as STP Units 3 and 4. A list of those in attendance is provided as Enclosure 1.

Enclosure 2 contains the meeting presentation slides, which can be accessed through the Agencywide Documents Access and Management System (ADAMS). This system provides text and image files of NRC's public documents. The handouts mentioned above may be accessed through the ADAMS system under Accession No. ML070310168. If you do not have access to ADAMS or if there are problems in accessing the handouts located in ADAMS, contact the NRC Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737 or by e-mail to pdr@nrc.gov.

The applicants made a presentation on lessons they had learned from the construction of existing Units 1 and 2. They stated that the lessons fell in to the categories of initial engineering, owner experience, management oversight, project planning, and availability of skilled craft workers. They listed the steps they intended to take in light of these lessons.

The applicants then discussed the modular approach to construction that they intend to use. They stated that this approach, though it requires specialized equipment and careful preplanning, is expected to result in a shorter and more efficient construction phase. The applicant went on to describe their plans for oversight of the module constructors and module quality assurance.

The applicant discussed the Advances Boiling Water Reactor (ABWR) Probabilistic Risk Assessment (PRA) and their plans for a PRA specific to South Texas Project Units 3 and 4. The ABWR PRA falls well within the industry goal for advanced light water reactor core damage frequency. Six months before initial fuel loading, the applicant expects to have a Level 1 and Level 2 PRA that models the as built plant.

The applicants suggested that the next pre-application meeting be held in February 2007. Subsequent meetings are planned about once a month.

/RA/

George F. Wunder, Senior Project Manager
ESBWR/ABWR Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Project No. 749

Enclosures: 1. Attendance List
2. NRG/STPNOC Slides (ML070310179)

cc w/encls: See next page

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MEETING WITH NRG ENERGY, INC.
REGARDING INTENDED FUTURE APPLICATION
FOR A COL FOR TWO UNITS AT THE STP SITE

ATTENDANCE LIST

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G. Thomas	NRO
H. Hamzehee	NRO
K. Gruss	NRO
D. Dube	NRO
E. Sayoc	NRO
Y. Li	NRO
M. Caruso	NRO
I. Jung	NRO
J. Wilson	NRO
H. Li	NRR
R. McIntyre	NRR
M. Concepcion	NRR
M. Abid	NRR
T. Clark	NRR
B. Musico	NSIR
R. Assa	RES
J. Crenshaw	STP
M. McBurnett	STP
M. Smith	STP
B. Stillwell	STP
G. Gibson	STP
P. Campbell	GE
J. Savage	GE
G. Zinke	Entergy
B. Maher	Exelon
J. Mauck	Hurst Technologies
L. Dusek	Fluor
A. Levin	AREVA
T. Morgan	Maracor
C. Schlaseman	MPR Associates
M. Ando	JAPC
S. Frantz	Morgan Lewis
A. White	Baker Botts LLP

South Texas Project Future License
Combined Service List

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