



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

August 18, 2011

Mr. G. T. Powell
Vice President, Technical Support and Oversight
STP Nuclear Operating Company
P. O. Box 289
Wadsworth, TX 77483

SUBJECT: REQUESTS FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
SOUTH TEXAS PROJECT LICENSE RENEWAL APPLICATION
(TAC NOS. ME4938 AND ME5122)

Dear Mr. Powell:

By letter dated October 25, 2010, STP Nuclear Operating Company (STPNOC), submitted an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54 (10 CFR Part 54), to renew the operating licenses NPF-76 and NPF-80 for South Texas Project, for review by the U.S. Nuclear Regulatory Commission (NRC or the staff). The staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete the review.

These requests for additional information were discussed with Mr. Arden Aldridge, and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-3617 or by e-mail at Tam.Tran@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Tam, Tam", is positioned above the typed name.

Tam Tran, Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 and 50-499

Enclosure:
Requests for Additional Information

cc w/encl: Listserv

SOUTH TEXAS PROJECT
LICENSE RENEWAL APPLICATION
REQUESTS FOR ADDITIONAL INFORMATION

The requests for additional information (RAIs) listed below were derived from the audit needs in the Environmental Audit Plan (ML11145A064).

Ecology

- A-1: Provide information describing what species of invasive plants or animals or both have been observed or documented on the South Texas Project (STP) site.
- A-2: Provide information describing any invasive species populations being managed.
- TL-2: Provide information to clarify which companies maintain which transmission lines and transmission line rights-of-ways.
- AQ-3: Describe the intake velocity through the traveling screens at the cooling water intake structure.
- AQ-5: Describe the cleaning and maintenance procedures at all intake and discharge structures on the Colorado River and the Main Cooling Reservoir, including the frequency of dredging, physical cleaning, and other applicable maintenance procedures.

ENCLOSURE

Socioeconomic and Environmental Justice

- SOC-1: In addition to property tax payment information presented in the environmental report (ER), provide information describing any other major annual support payments, one-time payments, and other forms of non-tax compensation (if any) provided to local organizations, communities, and jurisdictions (e.g., county, municipality, townships, villages, incorporated places, and school districts) on behalf of STP.
- SOC-2: Provide information about any changes in assessed property value or any other recent or anticipated payment adjustments that could result in notable increases or decreases in tax or other payments.
- SOC-3: Provide data on the height of the tallest (visible from offsite locations) structures at STP and general information on the visibility of plant facilities from various offsite locations.
- SOC-4: Provide information about possible noise emissions from the site that could be a nuisance in the vicinity of STP. Also, provide applicable information if complaints have been received at STP concerning noise from operations heard offsite.
- SOC-5: Provide information on (a) the nearest residence to STP (e.g. distance in miles), (b) which direction it is located from STP, and (c) the types of residence (e.g., vacation home, farm, single family, etc.).
- EJ-1: Provide information about any observed subsistence consumption behavior patterns—specifically fish and wildlife consumption—by minority and low-income populations in the vicinity of STP. This subsistence consumption behavior could consist of (a) hunting, fishing, and trapping of game animals and (b) any other general food gathering activities (e.g., collecting nuts, berries, and other plant materials) conducted by minority and low-income individuals in the vicinity of STP.

Alternatives

- ALT-1: Provide information describing how coal and other materials would be transported to the STP site. Would there be construction or modification of transportation infrastructure (e.g., rail lines, roads, etc.) associated with license renewal activities?
- ALT-2: The ER states that after combustion, (i.e. coal fire alternative) STP Nuclear Operating Company assumed that 43 percent of the ash, approximately 193,000 tons per year, would be marketed for beneficial reuse. Provide information describing what beneficial uses for the ash that is expected by the applicant.

Water Resource

WR-2: Provide information describing any Notices of Violation, nonconformance notifications, or related infractions received from regulatory agencies associated with Texas Pollutant Discharge Elimination System permitted discharges, septic or sewage systems, cooling pond, reservoir, on-site landfill, and groundwater or soil contamination. Groundwater or soil contamination (and associated remediation activities) includes spills, leaks, and other inadvertent releases of fuel solvents, chemicals, or radionuclides for the past 5 years.

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/RA/

Tam Tran, Project Manager
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ADAMS Accession No.: ML11214A207

*concurred via e-mail

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NAME	IKing	TTran	Almboden (LBauer for)	DWrona (LRegner for)	TTran
DATE	8/4/11	8/8/11	8/12/11	8/15/11	8/18/11

OFFICIAL RECORD COPY

Letter to G. T. Powell from T. Tran dated August 18, 2011

SUBJECT: REQUESTS FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
SOUTH TEXAS PROJECT, LICENSE RENEWAL APPLICATION
(TAC NOS. ME4938 AND ME5122)

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