

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD PANEL

Before the Licensing Board:

G. Paul Bollwerk, III, Chairman
Nicholas G. Trikouros
Dr. James Jackson

In the Matter of

SOUTHERN NUCLEAR OPERATING CO.

(Early Site Permit for Vogtle ESP Site)

Docket No. 52-011-ESP

ASLBP No. 07-850-01-ESP-BD01

JNT SUPPLEMENT TO PETITION FOR INTERVENTION

Pursuant to the Licensing Board's Initial Prehearing Order, dated December 18, 2006, Center for a Sustainable Coast, Savannah Riverkeeper, Southern Alliance for Clean Energy, Atlanta Women's Action for New Directions, and Blue Ridge Environmental Defense League ("Joint Petitioners") provide this supplement their Petition to Intervene in the above-captioned licensing proceeding. Specifically, Joint Petitioners assign a separate alpha designation for each of the already-specified contentions in the Petition within one of the following groups: Administrative; Site Safety Analysis; Environmental; Site Redress; Emergency Planning; or Miscellaneous.

As noted in footnote 2 of the Licensing Board's Order, all of Joint Petitioners' contentions fall within the environmental category. As such, Joint Petitioners assign a separate alpha designation to their contentions as follows:

- EC 1.1:** The ER fails to use quantitative analysis and field surveys to assess baseline habitat conditions and species diversity and abundance in the projects area.
- EC 1.2:** The ER fails to identify and consider direct, indirect, and cumulative impacts of the proposed cooling system intake and discharge structures on aquatic resources.
- EC 1.3:** The ER fails to satisfy 10 C.F.R. § 51.45(b)(3) because it fails to address impacts to aquatic species in its discussion of alternatives. In particular, the ER's discussion of the no-action alternative and of alternative cooling technologies fails to consider environmental and economic benefits of avoiding construction of the proposed cooling system.
- EC 2:** The ER fails to provide a thorough analysis of the disparate environmental impacts of the project on the minority and low-income communities residing in close proximity to the site.
- EC 3:** The ER fails to discuss the environmental implications of the substantial likelihood that spent fuel generated by the new reactors will have to be stored at the Vogtle site for more than 30 years after the reactors cease to operate, and perhaps indefinitely.
- EC 4:** The ER fails to address direct, indirect, and cumulative environmental impacts of intentional attacks on the proposed nuclear power plants, or to evaluate a reasonable range of alternatives for avoiding or mitigating those impacts.
- EC 5:** The ER fails to disclose and analyze an adequate range of alternatives to the proposal.

Respectfully submitted this 27th day of December, 2006,

[Original signed by L. Sanders]

Lawrence D. Sanders
Mary Maclean D. Asbill
Turner Environmental Law Clinic
Emory University School of Law
1301 Clifton Road
Atlanta, GA 30322
(404) 727-3432
Email: masbill@law.emory.edu
lsanders@law.emory.edu

Diane Curran
Harmon, Curran, Spielberg & Eisenberg, LLP
1726 M Street N.W., Suite 600
Washington, D.C. 20036
(202) 328-3500
Email: dcurran@harmoncurran.com

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)
)
SOUTHERN NUCLEAR OPERATING) Docket No. 52-011-ESP
COMPANY)
)
(Early Site Permit for the Vogtle ESP Site))

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing JNT SUPPLEMENT TO PETITION FOR INTERVENTION have been served upon the following persons by Electronic Information Exchange and/or electronic mail.

Office of Commission Appellate
Adjudication
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001
E-mail: ocaamail@nrc.gov

Administrative Judge
G. Paul Bollwerk, III, Chair
Atomic Safety and Licensing Board Panel
Mail Stop - T-3 F23
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001
E-mail: gpb@nrc.gov

Administrative Judge
Nicholas G. Trikouros
Atomic Safety and Licensing Board Panel
Mail Stop - T-3 F23
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001
E-mail: ngt@nrc.gov

Administrative Judge
James Jackson
Atomic Safety and Licensing Board Panel
Mail Stop - T-3 F23
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001
E-mail: jackson538@comcast.net

Bentina C. Terry, Esq.
Southern Nuclear Operating Company
40 Inverness Center Parkway
P.O. Box 1295, Bin B-022
Birmingham, AL 35201-1295
E-mail: bdchisol@southernco.com

Margaret Parish
Law Clerk
Atomic Safety and Licensing Board Panel
Mail Stop - T-3 F23
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001
E-mail: map4@nrc.gov

Ann P. Hodgdon, Esq.
Tison A. Campbell, Esq.
Patrick A. Moulding, Esq.
Brooke D. Poole, Esq.
Jonathan M. Rund, Esq.
Robert M. Weisman, Esq.
Kathryn L. Winsberg, Esq.
Office of the General Counsel
Mail Stop - O-15 D21
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001
E-mail: aph@nrc.gov; tac2@nrc.gov;
pam3@nrc.gov; bdp@nrc.gov;
jmr3@nrc.gov; rmw@nrc.gov; klw@nrc.gov

Kenneth C. Hairston, Esq.
M. Stanford Blanton, Esq.
Peter D. LeJeune, Esq.
Balch & Bingham LLP
1710 Sixth Avenue North
Birmingham, Alabama 35203-2014
E-mail: kchairston@balch.com;
sblanton@balch.com; plejeune@balch.com

Dated this 27th day of December, 2006

[Original signed by L. Sanders]

Lawrence D. Sanders