

December 11, 2003

Dr. Roy Crabtree
Regional Administrator
NOAA Fisheries
Southeast Regional Office
9721 Executive Center Drive North
St. Petersburg, FL 33702

SUBJECT: REQUEST FOR LIST OF PROTECTED SPECIES WITHIN THE AREA UNDER
EVALUATION FOR ARKANSAS NUCLEAR ONE UNIT 2 LICENSE RENEWAL

Dear Dr. Crabtree:

The U.S. Nuclear Regulatory Commission (NRC) is reviewing an application submitted by Entergy Operations, Inc. (Entergy) for the renewal of the operating license for Arkansas Nuclear One, Unit 2 (ANO-2). ANO-2 is located in Pope County, Arkansas, approximately 6 miles west-northwest of Russellville, Arkansas. As part of the review of the license renewal application, the NRC is preparing a Supplemental Environmental Impact Statement (SEIS) under the provisions of the National Environmental Policy Act (NEPA) of 1969, as amended, which includes an analysis of pertinent environmental issues, including endangered or threatened species and impacts to fish and wildlife. This letter is being submitted under the provisions of the Endangered Species Act of 1973, as amended, and the Fish and Wildlife Coordination Act of 1934, as amended.

The proposed action would include use and continued maintenance of existing plant facilities and transmission lines and would not result in any new construction or disturbance. Any maintenance activities would be limited to previously disturbed areas. In total, for the specific purpose of connecting ANO-2 to the regional transmission system, there is one 500-kilovolt line which is approximately 91 miles in length. In Arkansas, this transmission line traverses the counties of Pope, Conway, Faulkner, Saline and Pulaski. Enclosure 1 is a figure from Entergy's Environmental Report showing the location of the 500-kilovolt transmission line. Enclosure 2 is a figure from Entergy's Environmental Report showing the site boundary.

ANO-2 uses a closed-cycle cooling system with one natural-draft cooling tower used to dissipate waste heat to the atmosphere. Cooling water is drawn from Lake Dardanelle through a canal to the intake structure. After moving through the condensor, circulating water rejects waste heat to the atmosphere using the natural-draft cooling tower. Approximately 75% of the cooling water is evaporated in the natural-draft cooling tower and the remaining waste heat is discharged in the form of blowdown from the circulating water system to a canal which discharges to Lake Dardanelle. This blowdown is mixed with the ANO-1 circulating water system discharge. The plant does not use groundwater to meet its water supply needs. Drinking water is provided by the City of Russellville.

To support the environmental impact statement preparation process and to ensure compliance with Section 7 of the Endangered Species Act, the NRC requests that NOAA Fisheries provide

a list of species and information on protected, proposed, and candidate species and critical habitat that may be in the vicinity of ANO-2 and its associated transmission line. In addition, please provide any information you consider appropriate under the provisions of the Fish and Wildlife Coordination Act. The NRC has also contacted the Fish and Wildlife Service and requested a list of species and information on protected, proposed, and candidate species and critical habitat that may be in the vicinity of ANO-2 and its associated transmission line.

Beginning on February 3, 2004, we plan to conduct a site audit. We plan to hold two public NEPA scoping meetings on February 3, 2004, at the Holiday Inn, 2407 North Arkansas Avenue, Russellville, Arkansas 72802. You and your staff are invited to attend both the site audit and the public meetings. Your office will receive a copy of the draft SEIS along with a request for comments. The anticipated publication date for the draft SEIS is September 2004.

If you have any questions concerning ANO-2, the license renewal application, or other aspects of this project, please contact Mr. Thomas Kenyon, Environmental Project Manager, at (301) 415-1120 or by e-mail at TJK2@nrc.gov.

Sincerely,

/RA/

Pao-Tsin Kuo, Program Director
License Renewal and Environmental Impacts
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket Nos.: 50-368

Enclosures: As stated

cc w/o encl.: See next page

a list of species and information on protected, proposed, and candidate species and critical habitat that may be in the vicinity of ANO-2 and its associated transmission line. In addition, please provide any information you consider appropriate under the provisions of the Fish and Wildlife Coordination Act. The NRC has also contacted the Fish and Wildlife Service and requested a list of species and information on protected, proposed, and candidate species and critical habitat that may be in the vicinity of ANO-2 and its associated transmission line.

Beginning on February 3, 2004, we plan to conduct a site audit. We plan to hold two public NEPA scoping meetings on February 3, 2004, at the Holiday Inn, 2407 North Arkansas Avenue, Russellville, Arkansas 72802. You and your staff are invited to attend both the site audit and the public meetings. Your office will receive a copy of the draft SEIS along with a request for comments. The anticipated publication date for the draft SEIS is September 2004.

If you have any questions concerning ANO-2, the license renewal application, or other aspects of this project, please contact Mr. Thomas Kenyon, Environmental Project Manager, at (301) 415-1120 or by e-mail at TJK2@nrc.gov.

Sincerely,

/RA/

Pao-Tsin Kuo, Program Director
License Renewal and Environmental Impacts
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket Nos.: 50-368

Enclosures: As stated

cc w/o encl.: See next page

DISTRIBUTION:

DMatthews/FGillespie	PTKuo	TKenyon	JTappert
MMasnik	Slmboden	GSuber	MLemoncelli
LSmith, RIV	RDeese, RIV	ECrowe, RIV	KWeaver, RIV
DNeitzel (PNNL)	RLEP R/F		

Accession Nos:

1. Ltr to R. Crabtree w/Svc. List: **ML033450067**
2. Figure of ANO-2 Transmission Line: **ML033220298**
3. Figure of ANO Exclusion Zone and Features: **ML033220310**
4. Pkg for Figures only: **ML033220302**

C:\ORPCheckout\FileNET\ML033450067.wpd

OFFICE	LA:RLEP	GE:RLEP	PM:RLEP	SC:RLEP	OGC (NLO)	PD:RLEP
NAME	MJenkins	Slmboden	TKenyon	JTappert	MLemoncelli	PTKuo (SWest for)
DATE	11/20/03	11/24/03	11/24/03	11/29/03	12/1/03	12/11/03

OFFICIAL RECORD COPY

Arkansas Nuclear One, Unit 2

Executive Vice President
& Chief Operating Officer
Entergy Operations, Inc.
P. O. Box 31995
Jackson, Mississippi 39286-1995

Division of Radiation Control and
Emergency Management
Arkansas Department of Health
4815 West Markham, Mail Slot #30
Little Rock, Arkansas 72205-3867

Winston & Strawn
1400 L Street, N.W.
Washington, DC 20005-3502

Mr. Mike Schoppman
Framatome ANP, Richland, Inc.
Suite 705
1911 North Fort Myer Drive
Rosslyn, VA 22209

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
P. O. Box 310
London, Arkansas 72847

Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-8064

County Judge of Pope County
Pope County Courthouse
Russellville, Arkansas 72801

Vice President, Operations Support
Entergy Operations, Inc.
P. O. Box 31995
Jackson, Mississippi 39286-1995

Wise, Carter, Child & Caraway
P. O. Box 651
Jackson, Mississippi 39205

Mr. Garry Young
Entergy Operations, Inc.
Arkansas Nuclear One

1448 SR 333 GSB-2E
Russellville, Arkansas 72802

Russellville Resident Office
U.S. Army Corp of Engineers
PO Box 1087
Russellville, Arkansas 72811

Director
Arkansas Natural Heritage Commission
1500 Tower Building
323 Center Street
Little Rock, Arkansas 72201

Mr. Craig Uyeda
Arkansas Game and Fish Commission
2 Natural Resources Drive
Little Rock, Arkansas 72205

George McCluskey, Senior Archeologist
Arkansas State Historic Preservation Office
323 Center Street, Suite 1500
Little Rock, Arkansas 72201

Director
Arkansas Department of Environmental
Quality
PO Box 8913
Little Rock, Arkansas 72219-8913

Director
Arkansas Soil and Water Conservation
Commission
101 E. Capitol Ave, Suite 350
Little Rock, Arkansas 72201

Chairman
Arkansas Public Service Commission
1000 Center Building
Little Rock, Arkansas 72201

Raye Turner
Mayor, City of Russellville
PO Box 428
Russellville, Arkansas 72801

Edwin Price

Mayor, City of London
PO Box 130
London, Arkansas 72847

Mayor, City of Dardanelle
PO Box V
Dardanelle, Arkansas 72834

Logan County Judge
Courthouse, Room 22
Paris, Arkansas 72855

Johnson County Judge
P.O. Box 278
Clarksville, Arkansas 72830

Yell County Judge
P.O. Box 236
Dardanelle, Arkansas 72834

Conway County Judge
Courthouse
Morrilton, Arkansas 72110

LaRue Parker, Chairwoman
Caddo Indian Tribe of Oklahoma
P.O. Box 487
Binger, Oklahoma 73009

Chad Smith, Principal Chief
Cherokee Nation of Oklahoma
P.O. Box 948
Tahlequah, Oklahoma 74465

Gregory E. Pyle, Chief
Choctaw Nation of Oklahoma
P.O. Drawer 1210
16th and Locust Streets
Durant, Oklahoma 74702-1210

R. Perry Beaver, Principal Chief
Muscogee (Creek) Nation of Oklahoma
P.O. Box 580
Okmulgee, Oklahoma 74447

Jim R. Gray, Principal Chief
Osage Tribal Council
P.O. Box 799
Pawhuska, Oklahoma 74056

John Berry, Chairman
Quapaw Tribal Business Committee
P.O. Box 765
Quapaw, Oklahoma 74363

Jerry G. Haney, Principal Chief
Seminole Nation of Oklahoma
P.O. Box 1498
Wewoka, Oklahoma 74884

Dallas Proctor, Chief
United Keetoowah Band of Cherokee
Indians
PO Box 746
Tahlequah, OK 74465

Rick Buckley
Entergy Operations, Inc.
PO Box 31995
Jackson, Mississippi 39286

Jager Smith
Entergy Operations, Inc.
PO Box 651
Jackson, Mississippi 39205

Bernard Bevil
Arkansas Department of Health
4815 West Markham Street
Little Rock, Arkansas 72205

Chris Meyer
Arkansas Department of Health
P. O. Box 1749
Russellville, Arkansas 72811

Dennis Calloway
Entergy Operations, Inc.
1448 SR 333
Russellville, Arkansas 72801

Grant Merrill
KARV Radio
201 West Second Street
Russellville, Arkansas 72801

Kate Sullivan
KATV
Main Street

Little Rock, Arkansas 72211

Tom McChesney
Arkansas Department of Health
P.O. Box 1749
Russellville, Arkansas 72811

Ms. Francis Hager
Ross Pendergraft Library
Arkansas Tech University
305 West Q Street
Russellville, Arkansas 72801

U.S. EPA, Region 6
1445 Ross Avenue
Suite 1200
Dallas, TX 75202