

May 7, 2001

MEMORANDUM TO: File

FROM: Thomas W. Alexion, Project Manager, Section 1 */RAI/*  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management

SUBJECT: ARKANSAS NUCLEAR ONE, UNIT 2 RE: PROPOSED LICENSE  
AMENDMENT ON EXTENDED POWER UPRATE (TAC NO. MB0789)

The U. S. Nuclear Regulatory Commission (NRC) staff has had discussions with Entergy Operations, Inc., the licensee, on its December 19, 2000, "Application for License Amendment to Increase Authorized Power Level." The requested power level increase is 7.5%.

In order to facilitate these discussions, the NRC provided the licensee with a preliminary request for additional information (RAI) on environmental impact. This RAI does not represent final NRC positions and it may get revised as a result of discussions with the licensee. The purpose of this memorandum is to place the attachment in the Public Document Room.

Docket No. 50-368

Attachment: As stated

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DATE	05/03/01	5/4/01

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Request for Additional Information on  
Environmental Impact  
Extended Power Uprate License Amendment Application  
Arkansas Nuclear One, Unit 2

1. Explain the environmental impacts of the proposed extended power uprate on land use, water use, aquatic resources, terrestrial resources, and socioeconomic factors. The December 19, 2000, license amendment application refers to the "Generic Environmental Impact Statement for License Renewal of Nuclear Plants," NUREG-1437, Volume 1, 2, its addendum, and draft Supplement 3. Volume 1, 2 and the addendum analyze the environmental impacts of license renewal for nuclear power plants *remaining in operation at the present operating power level*. Supplement 3 analyzes the environmental impacts of license renewal at Arkansas Nuclear One, Unit 1, at its current operating power level. While Arkansas Nuclear One, Unit 1 and 2 do share general site characteristics, and it would be appropriate to reference the site characteristics documented in the final Supplement 3 for the proposed extended power uprate license application, the environmental impacts of continued operation at the current operating power level may or may not be the same as the environmental impacts of raising the operating power level by 7.5 percent. Therefore, the environmental impacts of the proposed action (raising the operating power level by 7.5 percent) on land use, water use, aquatic resources, terrestrial resources, and socioeconomic factors, other than those provided in Section 10.4 of the license amendment application, should be analyzed.