

September 14, 2000

LICENSEE: Nuclear Management Company

FACILITY: Duane Arnold Energy Center

SUBJECT: DUANE ARNOLD ENERGY CENTER - MEETING BETWEEN NUCLEAR  
MANAGEMENT COMPANY AND THE NUCLEAR REGULATORY COMMISSION  
(NRC) STAFF REGARDING POWER UPRATE PLANS (TAC NO. MA9592)

On August 31, 2000, the NRC staff met with representatives of Nuclear Management Company (NMC), the licensee for the Duane Arnold Energy Center (DAEC), at the NRC in Rockville, Maryland. The purpose of the meeting was to discuss the content and format of NMC's upcoming license amendment applications for a power uprate at DAEC. Enclosure 1 lists the meeting participants. Enclosure 2 contains copies of the overhead slides that the licensee presented during the meeting.

The licensee plans to submit the extended power uprate amendment in October 2000, with an anticipated approval needed by the end of the Spring 2001 refueling outage. The planned amendment will be for an extended power uprate to be implemented over the next 3 years to 1912 MWt, which would be 15.3 percent above the current licensed power level (1658 MWt). This would represent a total uprate of 120 percent of the original licensed power level (1593 MWt). As part of the power uprate program, the plant's accident dose calculations are being modified using final Reg Guide 1.183 guidance for new alternate source term with some deviations that will be reviewed by the staff. Submittals in support of the planned uprate will begin in September 2000. The licensee's uprate is dependent on NRC acceptance of the General Electric (GE) Licensing Topical Report lead plant submittal on the thermal hydraulic stability method change (ODYSY) that will be submitted in the next few weeks.

During the meeting, the NRC staff discussed various aspects of the review with the licensee. The extended power uprate amendment will be similar to those approved for the Monticello and Hatch plants. However, the DAEC licensee is requesting a higher percentage power level increase (15.3 percent) than implemented at plants previously. In addition, the licensee has plans to submit a revised safety limit for minimum critical power (SLMCPR), if needed, in January 2001, to allow for the use of GE-14 fuel along with the GE-10 and GE-12 fuel already in the core. The licensee would like approval from the NRC for its extended power uprate amendment by June 2001, so that it can begin implementation during refueling outage 17.

The Advisory Committee on Reactor Safeguards (ACRS) plans to review the safety evaluation (SE) for the power uprate prior to issuance. Therefore, the staff's safety evaluation must be completed early Spring 2001. The NRC staff emphasized to the licensee the importance of timely and complete submittals in view of the tight schedule restraints.

***/RA/***

Brenda L. Mozafari, Project Manager, Section 1  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-331

Enclosures: 1. List of Meeting Attendees  
2. Licensee Handouts

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**/RA/**

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LIST OF MEETING ATTENDEES

NRC AND NUCLEAR MANAGEMENT COMPANY

August 31, 2000

<u>NAME</u>	<u>AFFILIATION</u>
Brenda Mozafari	NRR/DLPM
Claudia Craig	NRR/DLPM
T.J. Kim	NRR/DPLM
Larry Rossbach	NRR/DPLM
Steve LaVie	NRR/DSSA
Ralph Caruso	NRR/DSSA
Ed Kendrick	NRR/DSSA
Amy Cubbage	NRR/DSSA
Kerry Kavanaugh	NRR/DSSA
David Shum	NRR/DSSA
Tony Ulses	NRR/DSSA
Steve Huebsch	NMC
Ken Putnam	NMC
Ron McGee	NMC
Chuck Nelson (by phone)	NMC
Tony Browning	NMC
Israel Nir	General Electric
Gus Cronenberg	NRC/ACRS
Joseph Sipek	Com Ed/Reg. Services
Bob Kitchen	CP&L/Brunswick
Mark Turkal	CP&L/Brunswick
Bill Wallack	McGraw-Hill

NRR = Office of Nuclear Reactor Regulation  
DLPM = Division of Licensing Project Management  
DSSA = Division of Systems Safety and Analysis  
ACRS = Advisory Committee on Reactor Safeguards

ENCLOSURE 1