Docket File

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

May 5, 1994

Docket Nos. 50-317
and 50-318

Mr. Robert E. Denton
Vice President - Nuclear Energy
Baltimore Gas & Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657-4702

Dear Mr. Denton:

SUBJECT: NOTICE OF ENVIRONMENTAL ASSESSMENT OF LICENSE AMENDMENT REQUEST RELATING TO SITE BOUNDARY AND LOW POPULATION ZONE MAPS FOR THE CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2 (TAC NOS. M84610 and M84611)

Enclosed for your information is a copy of a "Notice of Environmental Assessment and Finding of No Significant Impact." This notice relates to your request dated September 29, 1992, as supplemented by letters dated October 22, 1993, and November 11, 1993.

You requested that Figure 5.1-1, Site Boundary Map, and Figure 5.1-2, Low Population Zone Map, in the Technical Specifications be revised to correct the discrepancy between the current site property lines and the property lines as shown on these figures. Details supporting your request and the staff's findings are included in the enclosed Environmental Assessment. The notice has been forwarded to the Office of the Federal Register for publication.

Sincerely,

Daniel G. McDonald, Senior Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
Environmental Assessment

cc w/enclosure:
See next page

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cc:

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UNITED STATES NUCLEAR REGULATORY COMMISSION

BALTIMORE GAS AND ELECTRIC COMPANY

DOCKET NOS. 50-317 AND 50-318

ENVIRONMENTAL ASSESSMENT AND FINDING OF

NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of amendments to Facility Operating License Nos. DPR-53 and DPR-69, issued to Baltimore Gas and Electric Company (the licensee) for operation of the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2, located at the licensee's site in Calvert County, Maryland.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action:

The proposed amendments would revise Figure 5.1-1, Site Boundary Map, and Figure 5.1-2, Low Population Zone Map, in the Technical Specifications (TSs). The revisions are needed to correct the discrepancy between the current site property lines and the property lines as shown on TS Figure 5.1-1 and Figure 5.1-2. This discrepancy resulted from the purchase of land subsequent to issuance of the plant operating licenses and the failure to update the TSs to reflect the change in site property lines.

The proposed action is in accordance with the licensee's application for amendment dated September 29, 1992, as supplemented by letters dated October 22, 1993, and November 11, 1993.

Need for the Proposed Action:

The proposed changes to the TSs are required to correct the discrepancy between the current site property lines and the property lines as shown on Figure 5.1-1 and Figure 5.1-2 in the TSs. This discrepancy resulted from the

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purchase of six parcels of land subsequent to issuance of the plant operating licenses and the failure to update the TSs to reflect the change in property lines. The original site covered 1135 acres. With the addition of the six new parcels of land, the site now covers 2108 acres.

Environmental Impacts of the Proposed Action:

The 2108 acre Calvert Cliffs site includes forest and farmland which surround the plant. The land's primary purpose is to serve as a natural buffer between the plant and the local community. Over 1500 acres of the site are covered with woodlands. The remaining acreage is made up of various open areas, a 50-acre recreational facility, and a working farm of about 100 acres. The six parcels of land that were acquired by the licensee subsequent to issuance of the plant operating licenses are comprised of shoreline property, woodlands, and farmland.

The proposed revisions to TS Figure 5.1-1 and Figure 5.1-2 are administrative in nature in that they will update the TSs to accurately reflect the current site boundary. The proposed amendments will not change plant equipment, operation or procedures, and do not adversely affect the probability or the consequences of any accident at this facility. The proposed amendments also do not affect radiological effluents from the facility or the radiation levels at the facility. Although the exclusion area as defined in 10 CFR Part 100 has been increased, the property addition does not change the licensee's offsite dose calculations. Therefore, the Commission concludes that there are no significant radiological impacts associated with the proposed amendments.

There are no persons who reside on any of the new parcels and the acquired property does not contain sites of historical, archaeological or scenic significance. The licensee's Land Management Program implements certain forestry and farming practices that are intended to preserve the site's land resources and natural habitats. There are three focal areas of the program; fire prevention, significant laws and regulations, and wildlife considerations. Salient aspects of these focal areas are summarized below.

In the area of fire prevention, the licensee has implemented a program to replace large stands of Virginia Pine trees with better quality trees to reduce the potential for fire. A system of fire roads has also been developed throughout the property and firefighting equipment has been strategically placed along these roads to assist personnel in the event of a fire. A property grid system has been established to determine the location and extent of a fire once discovered.

With respect to significant laws and regulations, environmental laws in the State of Maryland are focused on promoting good soil conservation practices, improving the quality of the Chesapeake Bay, and preserving endangered species and other animals unique to the area. To avoid erosion and keep land productive, the licensee uses practices such as contour plowing, applying pesticides and fertilizer properly, rotating crops, minimizing tilling, and growing a cover crop during the winter for all farming operations.

The Chesapeake Bay Critical Areas Law strictly governs the use of land within 100 feet of, and all tributaries leading into, the Chesapeake Bay. The law was enacted to prevent the continued deterioration of the Bay by

controlling future development and water runoff containing harmful quantities of sediment, fertilizers, pesticides, and toxic metals from agricultural fields and other developed land adjacent to the Bay. The licensee complies with Calvert County's Critical Area Plan. Four of the new parcels of land have land which falls in the critical area.

The Calvert Cliffs site is regulated by the Federal "Endangered Species Act," 16 USC 1531. This act requires landowners to preserve those areas inhabited by species protected by this act. At Calvert Cliffs, the Tiger Beetle and Bald Eagle are protected. Two species of the Tiger Beetle are found along the beach area at Calvert Cliffs; the Northeastern Beach Tiger Beetle and the Puritan Tiger Beetle. A family of Bald Eagles is located in the southern portion of the Calvert Cliffs site.

The Calvert Cliffs site is home for a wide variety of wildlife, including two animal species considered endangered. Their habitat is largely preserved on more than three-fourths of the 2108 acres at Calvert Cliffs. By implementing sound forestry practices the licensee endeavors to ensure that the necessary food, nesting areas, and cover are provided to support the animals that live at Calvert Cliffs. The licensee has several plans in place to ensure that the habitats of the various wildlife species are preserved.

The proposed revisions to the TSs will merely update the TSs to reflect the current site boundary and will not affect the utilization of the six new parcels of land or implementation of the licensee's Land Management Program. The proposed amendments will also not affect nonradiological plant effluents and have no other environmental impact. Therefore, the Commission concludes that there are no significant nonradiological environmental impacts associated with the proposed amendments.

The Notice of Consideration of Issuance of Amendment and Opportunity for Prior Hearing in connection with this action was published in the Federal Register on October 28, 1992 (57 FR 48813). No request for hearing or petition for leave to intervene was filed following this notice.

Alternatives to the Proposed Action:

Since the Commission concluded that there are no significant environmental effects that would result from the proposed action, any alternatives with equal or greater environmental impacts need not be evaluated. The principal alternative would be to deny the requested amendments. Such action would not enhance the protection of the environment.

Alternate Use of Resources:

This action does not involve the use of any resources not previously considered in the Final Environmental Statement for the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2, dated April 1973.

Agencies and Persons Consulted:

The NRC staff reviewed the licensee's request to modify the TSs. The NRC staff consulted with the State of Maryland regarding the environmental impact of the proposed action. The State of Maryland had no comments regarding this proposed action.

FINDING OF NO SIGNIFICANT IMPACT

The Commission has determined not to prepare an environmental impact statement for the proposed license amendment.

Based upon the foregoing environmental assessment, the Commission concludes that the proposed action will not have a significant effect on the quality of the human environment.

For further details with respect to this action, see the application for amendment dated September 29, 1992 as supplemented by letters dated October 22, 1993, and November 11, 1993. These letters are available for public inspection at the Commission's Public Document Room, 2120 L Street, N.W., Washington, DC 20555 and at the Local Public Document room located at the Calvert County Library, Fourth Street, Prince Frederick, Maryland, 20678.

Dated at Rockville, Maryland, this 5th day of May 1994.

FOR THE NUCLEAR REGULATORY COMMISSION

Robert A. Capra

Robert A. Capra, Director
Project Directorate I-1
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

May 5, 1994

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and 50-318

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Mr. Robert E. Denton
Vice President - Nuclear Energy
Baltimore Gas & Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657-4702

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Original signed by:
Daniel G. McDonald, Senior Project Manager
Project Directorate I-1
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See next page

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