

October 26, 1999

Mr. Robert P. Powers, Senior Vice President  
Indiana Michigan Power Company  
Nuclear Generation Group  
500 Circle Drive  
Buchanan, MI 49107

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RELATED TO LICENSE  
AMENDMENT APPLICATION FOR DONALD C. COOK NUCLEAR PLANT,  
UNITS 1 AND 2 (TAC NOS. MA6665 AND MA6666)

Dear Mr. Powers:

On September 23, 1999, you submitted a license amendment request related to the movement of steam generator sections in the auxiliary building for the Steam Generator Replacement Project. The Nuclear Regulatory Commission staff has performed an initial review of your application and has some questions (see enclosure).

The need to provide the additional information and the agreement of the D. C. Cook staff to comply with this request were discussed with members of your staff on October 20, 1999. A mutually agreed upon due date of November 8, 1999, was established with Mr. Robert Godley of your staff.

Sincerely,

/s/

John F. Stang, Senior Project Manager, Section 1  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-315 and 50-316

Enclosure: As stated

cc w/encl: See next page

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\*See previous concurrence

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

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Sincerely,

A handwritten signature in cursive script, appearing to read "John F. Stang".

John F. Stang, Senior Project Manager, Section 1  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-315 and 50-316

Enclosure: As stated

cc w/encl: See next page

Robert P. Powers  
Indiana Michigan Power Company

Donald C. Cook Nuclear Plant  
Units 1 and 2

cc:

Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
801 Warrenville Road  
Lisle, IL 60532-4351

Drinking Water and Radiological  
Protection Division  
Michigan Department of  
Environmental Quality  
3423 N. Martin Luther King Jr Blvd  
P.O. Box 30630 CPH Mailroom  
Lansing, MI 48909-8130

Attorney General  
Department of Attorney General  
525 West Ottawa Street  
Lansing, MI 48913

Gordon Arent  
Director, Regulatory Affairs  
Indiana Michigan Power Company  
Nuclear Generation Group  
500 Circle Drive  
Buchanan, MI 49107

Township Supervisor  
Lake Township Hall  
P.O. Box 818  
Bridgman, MI 49106

U.S. Nuclear Regulatory Commission  
Resident Inspector's Office  
7700 Red Arrow Highway  
Stevensville, MI 49127

David A. Lochbaum  
Union of Concerned Scientists  
1616 P Street NW, Suite 310  
Washington, DC 20036-1495

Jeremy J. Euto, Esquire  
Indiana Michigan Power Company  
Nuclear Generation Group  
500 Circle Drive  
Buchanan, MI 49107

A. Christopher Bakken, Site Vice President  
Indiana Michigan Power Company  
Nuclear Generation Group  
One Cook Place  
Bridgman, MI 49106

Mayor, City of Bridgman  
P.O. Box 366  
Bridgman, MI 49106

Michael W. Rencheck  
Vice President, Nuclear Engineering  
Indiana Michigan Power Company  
Nuclear Generation Group  
500 Circle Drive  
Buchanan, MI 49107

Special Assistant to the Governor  
Room 1 - State Capitol  
Lansing, MI 48909

REQUEST FOR ADDITIONAL INFORMATION

RELATED TO

LICENSE AMENDMENT REQUEST FOR

DONALD C. COOK NUCLEAR PLANT, UNITS 1 AND 2

**Questions from:**

**Attachment 1 to C0999-10, p. 3**

**I) Consistency with Regulatory Guidelines**

**NUREG-0612**

**1. Safe Load Path**

1. If a load drop occurs, what assurance is there that the load will not travel into the spent fuel pool (SFP)?
2. Describe the potential accident consequences of a load drop, including the release of radioactive material, damage to fuel, damage to the SFP (including the SFP cooling system) that could result in water leakage and uncover fuel in the spent fuel pool, and damage to safety-related equipment or equipment required for safe shutdown of the plant. Also address what measures are to be implemented by the licensee to mitigate the potential consequences of a dropped load.
3. What is the basis for the engineering judgment which assumes the integrity of the SFP would be maintained if a load drop occurred?
4. What is the basis for the conclusion that if a load drop occurs and affects equipment important to safety, the operating unit's safe shutdown and reactor decay heat removal requirements continue to be satisfied?

**Questions From:**

**Attachment 1 to C0999-10, p. 7**

**III) Comparison of Proposed Unit 1 SG Load Handling to Previously Performed Unit 2 SGRP [Steam Generator Replacement Project] Load Handling**

5. The proposed amendment does not request relief from Technical Specification 3.9.7, which states:

Loads in excess of 2,500 pounds shall be prohibited from travel over fuel assemblies in the storage pool. Loads carried over the spent fuel pool and the heights at which they may be carried over racks containing fuel shall be limited in such a way as to preclude impact energies over 24,240 in.-lbs., if the loads are dropped from the crane.

Due to the relative size of the steam generator upper and lower assemblies and associated clearances in the areas of the containment buildings 1 and 2 equipment hatches and the SFP, what assurance is there that no portion of the steam generators will pass over any part of the SFP?

Enclosure