



**Wisconsin Electric** POWER COMPANY  
231 WEST MICHIGAN, MILWAUKEE, WISCONSIN 53201

June 20, 1977

Mr. Edson G. Case, Acting Director  
Office of Nuclear Reactor Regulation  
U. S. NUCLEAR REGULATORY COMMISSION  
Washington, D. C. 20555

Attention: Mr. George Lear, Chief  
Operating Reactors Branch 3

Gentlemen:

POINT BEACH NUCLEAR PLANT  
UNITS 1 AND 2  
DOCKETS 50-266 AND 50-301  
FIRE PROTECTION PROVISIONS

Wisconsin Electric Power Company and Wisconsin Michigan Power Company, Licensees, herewith submit attached the fire hazards analysis for Point Beach Nuclear Plant, Units 1 and 2. This document contains information requested in your letter dated December 2, 1976 verifying the design basis for fire protection provisions at this facility. This document also contains fire protection information relative to Enclosures 1 and 2 of your letter dated April 26, 1977.

Licensees are required to provide security protection of nuclear plants on the basis of long-standing Commission regulations. Recently the Commission has required revision of nuclear plant security systems through issuance of 10 CFR 73.55 and other proposed regulations. While the attached fire hazards analysis may not contain specific items which qualify as being exempt from public disclosure under 10 CFR 2.790, information is included in this analysis regarding location of safety-related equipment, remote shutdown capability, and fire protection system design. This analysis, thus, includes sensitive information which could be helpful to those against whom the plant must be defended, even though specific security information is not included.

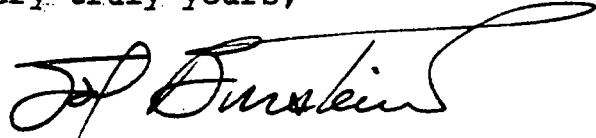
Accordingly, we request that the Commission exercise discretion in the distribution and handling of this fire hazards

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analysis. We suggest that this document be retained in the custody of the Commission, and that the Public Document Room be provided with a statement that this document may be inspected at appropriate locations on a demonstrated need-to-know basis. We believe that such a statement would not prohibit appropriate public inspection, but would discourage unauthorized and frivolous use which could compromise plant security.

In accordance with your letter dated April 26, 1977, we are forwarding herewith three (3) signed originals and forty (40) copies of this letter and attached copies of the hazards analysis.

Very truly yours,



Executive Vice President

Sol Burstein

Attachments

Subscribed and sworn to before me  
this 20th day of June, 1977.

Dorothy J. Leishman  
Notary Public, State of Wisconsin

My Commission expires July 6, 1980.

POINT BEACH NUCLEAR PLANT  
FIRE PROTECTION REVIEW

by

WISCONSIN ELECTRIC POWER COMPANY

WISCONSIN MICHIGAN POWER COMPANY

and

BECHTEL POWER CORPORATION

June 1977

Wisconsin Electric Power Company  
Wisconsin Michigan Power Company  
231 West Michigan Street  
Milwaukee, Wisconsin 53201

encapsulated in metallic steel panels and is noncombustible glass fiber. Insulated panel walls in the upper level of the Auxiliary Building and the walls of the Instrument Shop are composed of a noncombustible core with asbestos cement facings. Radiation shielding is primarily of concrete, concrete unit masonry and lead. Soundproofing, where utilized, is incorporated within the noncombustible building and insulating materials.

Interior finishes such as gypsum plaster, ceramic tile and acoustical ceiling materials are noncombustible. Epoxy coatings, alkyd and latex paints are also used. The coatings and paints used are limited by specification to industrial quality products with a proven history of satisfactory performance. No test for fuel contribution was required and these materials have not been tested for performance to ASTM E-84.

#### 4.1.4.3 Compliance

Most of the painted areas at the Point Beach Nuclear Plant are administrative areas remote from safety-related equipment. Paintings and coatings used in safety-related areas are selected for their resistance to contamination and for surface qualities that facilitate cleanup activities. Combustible storage is prohibited in safety-related areas. Plant areas, where combustible materials are allowed, are of unpainted masonry construction. The possibility of igniting wall and floor coatings is very remote. It does not appear that further testing