



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555

May 6, 1985

Docket Nos: 50-369  
and 50-370

Mr. H. B. Tucker, Vice President  
Nuclear Production Department  
Duke Power Company  
422 South Church Street  
Charlotte, North Carolina 28242

Dear Mr. Tucker:

Subject: Detection and Control of Biofouling - McGuire Nuclear Station

In June 1984 the report NUREG/CR-3054 was issued to close out IE Bulletin 81-03 on the subject of fouling of safety systems. As a result we have initiated an effort to devise means for detecting and controlling fouling agents so that no serious failures could result from any infestation. This is a long term effort. In the meantime, we have selected certain nuclear power plants with a high potential for biofouling in order to determine whether utilities have implemented effective surveillance and/or control measures to limit biofouling.

The McGuire Nuclear Station is considered a good candidate to assist us in making this short term determination. Accordingly, we request that you provide the information as identified in the enclosure.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

A handwritten signature in dark ink, appearing to read "Tom Novak".

Thomas M. Novak, Assistant Director  
for Licensing  
Division of Licensing

Enclosure:  
As stated

cc: See next page

DESIGNATED ORIGINAL

Certified By

A handwritten signature in dark ink, appearing to read "Angela Hatton".

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PDR ADOCK 05000369  
Q PDR

McGuire

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Enclosure

REQUEST FOR ADDITIONAL INFORMATION REGARDING  
BIOFOULING SURVEILLANCE AND CONTROL METHODS AT MCGUIRE

1. Discuss the surveillance methods that are being used to detect the presence of asiatic clams and/or mussels in the plant water supplies, fire protection systems, and systems which provide cooling for safety related systems.
2. Discuss the methods being used to control asiatic clams and/or mussels in the plant water supplies and systems in question 1. Discuss the consideration given to systems required to mitigate transients and/or accidents where those systems are not used during normal operation. Discuss the consideration given to protect heat transfer surfaces from clam and/or mussel infestation.