

SEABROOK STATION  
Engineering Office:  
1671 Worcester Road  
Framingham, MA 01701

July 8, 1981  
SBN-168  
T.F. B4.2.5

U.S. Nuclear Regulatory Commission  
Region I  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Attention: Mr. Boyce H. Grier, Director

References: (a) Construction Permits CPPR-135 and CPPR-136, Docket Nos.  
50-443 and 50-444

(b) NRC IE Bulletin 81-03, dated April 10, 1981

Subject: Response to IE Bulletin 81-03; "Flow Blockage of Cooling Water  
to Safety System Components by Corbicula sp. (Asiatic Clam)  
and Mytilus sp. (Mussel)"

Dear Sir:

The following information has been prepared in response to your specific  
request contained in Reference (b) for holders of construction permits.

1. Extensive sampling of the marine environment that will be used for  
Seabrook Station source and receiving water shows that Mytilus sp. is  
found there; Corbicula sp., a fresh water bivalve is not. The  
planned method of Mytilus control will be a combination of thermal  
treatment for the main circulating water and low level chlorination  
for service water systems. Implementation date for detection and  
prevention of system flow blockage will be concurrent with system  
flooding. Because the intake structures are near mid-level in about  
50 feet of water, the effect of water level (tidal amplitude of about  
8 feet) should not influence the potential for intrusion of Mytilus  
into the system. The effectiveness of the planned methods for  
detection and prevention of Mytilus fouling is adequate judged from  
empirical information.
2. Presently, there are no cooling water systems flooded.
3. The Licensee has conducted a comprehensive environmental monitoring  
program beginning in 1969 and continuing through to the present. The  
collection of subtidal and intertidal hard substrate benthic  
organisms assures us of the presence of Mytilus. Monthly samples  
taken in May of 1981 showed Mytilus to be present.



