

## Brunswick 2

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### Initiating Events

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### Mitigating Systems



**Significance:** Dec 28, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

#### **Failure to Implement Procedure 0PM-STU500, Service Water Intake Structure Inspection and Cleaning**

Green. An inadequate implementation of Preventive Maintenance Procedure 0PM-STU500, Service Water Intake Structure Inspection and Cleaning, resulted in the 1A Nuclear Service Water (NSW) pump becoming inoperable, with a loss of function, due to the pump's discharge strainer becoming clogged with oyster shells during a diving evolution. A non-cited violation of TS 5.4.1a was identified. This issue was considered to be more than minor because it affected a cornerstone attribute and an associated cornerstone objective. The mitigating systems cornerstone objective to ensure reliability, availability, and capability of systems that respond to initiating events was affected by equipment performance and human error. The finding was determined to be of very low safety significance because the risk was mitigated by the availability of the conventional service water pumps which were utilized in accordance with the abnormal operating procedures to restore service water flow.

Inspection Report# : [2002004\(pdf\)](#)



**Significance:** Sep 28, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

#### **FAILURE TO HAVE INSTALLED FIXED FIRE SUPPRESSION SYSTEMS THAT ARE CAPABLE OF MINIMIZING FIRE DAMAGE TO SAFE SHUTDOWN CABLING DURING FLOOR LEVEL TRANSIENT COMBUSTIBLE FIRES IN THE UNIT 1 AND 2 CSRs**

Green. The licensee failed to install fixed fire suppression systems that were capable of minimizing damage to safe shutdown cabling caused by floor level transient combustible fires in the Unit 1 and Unit 2 Cable Spreading Rooms (CSRs). The systems were determined to be unable to fulfill their intended function of limiting fire damage to the preferred trains of safe shutdown cables and safety-related cables in the CSRs. The finding was of very low safety significance based on the initiating event likelihood for this event in conjunction with the remaining mitigation capability in the Unit 1 and Unit 2 CSRs.

Inspection Report# : [2002003\(pdf\)](#)

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### Barrier Integrity



**Significance:** Dec 28, 2002

Identified By: NRC

Item Type: NCV NonCited Violation

#### **Failure to Implement Procedure 0ENP-54, Building Ventilation Pressure Control Program**

Green. An inadequate implementation of Procedure 0ENP-54, Building Ventilation Pressure Control, resulted in a breach of the control room habitability envelope that exceeded the allowable leakage criteria to maintain both units' control room emergency ventilation (CREV) systems operable. A non-cited violation of Technical Specification (TS) 5.4.1a was identified. This issue was considered to be more than minor because it affected a cornerstone attribute and an associated cornerstone objective. The barrier integrity objective and containment functionality attribute of configuration control and human performance in post-accident and event performance were affected. Additionally, if this issue was left uncorrected, it would have been a more significant safety concern. The finding involved the barrier integrity cornerstone in which the control room barrier was degraded and represented a degradation of the barrier function of the control room against smoke and a toxic atmosphere. This issue was evaluated to be very low safety significant. The impact of chlorine gas intrusion (toxic atmosphere) into the control room during the period the door was blocked open was limited to the human factors concern of control room response while wearing breathing apparatus. Also, the CREV systems for both units were returned to operable status within the TS allowed time frame. Operator actions of interest were those required to respond to an initiating event that happened during the short time of vulnerability.

Inspection Report# : [2002004\(pdf\)](#)

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## **Emergency Preparedness**

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## **Occupational Radiation Safety**

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## **Public Radiation Safety**

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## **Physical Protection**

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## **Miscellaneous**

Last modified : March 25, 2003