

ATTACHMENT 1

HADDAM NECK PLANT
PROPOSED REVISIONS TO TECHNICAL SPECIFICATIONS

NOVEMBER, 1980

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- B) During normal operating periods, a manual test of all actuated components shall be conducted to demonstrate operability. The test shall be performed in accordance with written procedure as summarized below:
- 1) Monthly, each of the high pressure safety injection pumps, each of the low pressure safety injection (core deluge) pumps, and each of the residual heat removal (RHR) pumps shall be individually test run on recirculation.
 - 2) Monthly, the charging pumps and metering pump shall be individually test run.
 - 3) At cold shutdowns, all safety injection and core deluge valves will be cycled under "no-flow" conditions.
- C) If one of the high pressure safety injection pumps or one of the low pressure safety injection (Core deluge) or one of the residual heat removal (RHR) pumps is out of service, the remaining pump shall be tested within 2 hours and at subsequent intervals of not greater than 72 hours.
- D) During each refueling shutdown, the remotely controlled, motor-operated containment spray water valve shall be operated under a "no-flow" condition. The test will be considered satisfactory if visual observation shows that the valve has operated satisfactorily.
- E) One centrifugal charging pump and the HPSI pumps shall be demonstrated inoperable at least once per 31 days whenever the temperature of one or more of the non-isolated RCS cold legs is less than or equal to 340°F and the RCS is not vented by a minimum opening of 3 inches, by verifying that the charging pump control switch is in the trip pullout position and red tagged and that the HPSI breaker cabinets are locked and tagged out and the HPSI pump discharge valves are locked closed.

31

Basis:

The core cooling systems are the principal plant safeguard. They provide the means to insert negative reactivity and limit core damage in the event of a loss-of-coolant incident.

Pre-operational performance tests of the components are performed in the manufacturer's shop. An initial system flow test demonstrates proper dynamic functioning of the system. Thereafter, periodic tests demonstrate that all components are functioning properly.

In order to assure that a pressure transient occurring during the testing of the HPSI pumps will not exceed the pressure and temperature limits of specification 3.4, there must be appropriate relief paths available; this is provided for in specification 4.3.A.4.

31

The separation of emergency power systems and associated core cooling equipment into two independent groupings permits complete function testing of the individual systems and equipment.