## ATTACHMENT I TO IPN-93-119

# **REPLACEMENT TECHNICAL SPECIFICATION PAGES 4.5-1 AND 4.6-1**

RELATED TO

## **ENGINEERED SAFETY FEATURES SYSTEM**

## **TESTING AND 24 MONTH OPERATING CYCLES**

NEW YORK POWER AUTHORITY INDIAN POINT 3 NUCLEAR POWER PLANT DOCKET NO. 50-286 DPR-64



### 4.5 TESTS FOR ENGINEERED SAFETY FEATURES AND AIR FILTRATION SYSTEMS

### <u>Applicability</u>

Applies to testing of the Safety Injection System, the Containment Spray System, the Hydrogen Recombiner System, and the Air Filtration Systems.

#### <u>Objective</u>

To verify that the subject systems will respond promptly and perform their design functions, if required.

#### **Specification**

- A. <u>SYSTEM TESTS</u>
  - 1. <u>Safety Injection System</u>
    - a. System tests shall be performed at least once per 24 months\*. With the Reactor Coolant System pressure less than or equal to 350 psig and temperature less than or equal to 350°F, a test safety injection signal will be applied to initiate operation of the system. The safety injection and residual heat removal pumps are made inoperable for this test.
    - b. The test will be considered satisfactory if control board indication and visual observations indicate that all components have received the safety injection signal in the proper sequence and timing, that is, the appropriate pump breakers shall have opened and closed, and the appropriate valves shall have completed their travel.
    - c. Conduct a flow test of the high head safety injection system after any modification is made to either its piping and/or valve arrangement.
    - d. Verify that the mechanical stops on Valves 856 A, C, D, E, F, H, J and K are set at the position measured and recorded during the most recent ECCS operational flow test or flow tests performed in accordance with (c) above. This surveillance procedure shall be performed following any maintenance on these valves or their associated motor operators and at a convenient outage if the position of the mechanical stops have not been verified in the preceding three months.
- \* The time delay relays will be tested at intervals no greater than 22.5 months (18 months + 25%).

4.5-1

Amendment No. 123,

### 4.6 EMERGENCY POWER SYSTEM PERIODIC TESTS

### **Applicability**

Applies to periodic testing and surveillance requirements of the emergency power system.

#### <u>Objective</u>

To verify that the emergency power system will respond promptly and properly when required.

#### <u>Specification</u>

The following tests and surveillance shall be performed as stated:

- A. Diesel Generators
  - 1. Each month each diesel generator shall be manually started and synchronized to its bus or buses and shall be allowed to assume the normal bus load and run for a period of time sufficient to reach stable operating temperatures.
  - 2. At least once per 24 months each diesel generator shall be manually started, synchronized and loaded up to its 2 hour rating and run for a period of at least 105 minutes.
  - 3. At least once per 24 months\*, simulate a loss of all normal AC station service power supplies in conjunction with a simulated Safety Injection signal, and verify:
    - a. the required bus load shedding;
    - b. the automatic start of each diesel generator; and
    - c. the restoration to operation of particular vital equipment, via the diesel generator assuming the required load within 60 seconds after the initial start signal.
- \* The time delay relays will be tested at intervals no greater than 22.5 months (18 months + 25%).

4.6-1

Amendment No. 123, 138,

# ATTACHMENT II TO IPN-93-119

## POWER AUTHORITY COMMITMENTS

RELATED TO

# ENGINEERED SAFETY FEATURES SYSTEM

# **TESTING AND 24 MONTH OPERATING CYCLE**

REPLACEMENT TECHNICAL SPECIFICATION PAGES

NEW YORK POWER AUTHORITY INDIAN POINT 3 NUCLEAR POWER PLANT DOCKET NO. 50-286 DPR-64

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Commitment Number	Commitment	Due Date
IPN-93-119-1	Safety injection system tests will be performed at least once per 24 months	See note (1)
IPN-93-119-2	At least once per 24 months, a loss of normal AC power will be simulated, in conjunction with a simulated safety injection signal, and (a) required bus load shedding, (b) automatic start of each diesel generator, and (c) restoration of vital equipment via the diesel generator within 60 seconds will be verified	See note (1)
IPN-93-119-3	The time delay relays (Agastats) associated with the engineered safety features will be tested at intervals no greater than 22.5 months (18 months + 25%)	This is a current Tech. Spec. requirement, based on specifications 4.5.A.1. a.&b. and 4.6.A.3.

NOTE (1): These commitments will be implemented within the required implementation period after the Technical Specification changes are approved. The IP3 Tech. Specs. currently require these items to be performed at least once per 18 months.