



Consumers  
Power

**POWERING  
MICHIGAN'S PROGRESS**

Big Rock Point Nuclear Plant, 10269 US-31 North, Charlevoix, MI 49720

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Plant Manager

March 14, 1994

Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

DOCKET 50-155 - LICENSE DPR-6 - BIG ROCK POINT PLANT -  
1993 ANNUAL REPORT OF FACILITY CHANGES, TESTS AND EXPERIMENTS

Attachment 1 to this letter is Consumers Power Company's Annual Report describing the Facility Changes (FC), Specification Changes (SC), and Set Point Changes (SPC) performed at the Big Rock Point Plant in 1993. Attachment 2 provides changes to procedures and Attachment 3 reports tests performed in 1993 that are reportable to the NRC per 10 CFR 50.59(b)(2).

Patrick M Donnelly

  
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Plant Manager

CC: Administrator, Region III, USNRC  
NRC Resident Inspector - Big Rock Point

ATTACHMENT

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ATTACHMENT 1

CONSUMERS POWER COMPANY  
BIG ROCK POINT PLAN  
DOCKET 50-155

1993 ANNUAL REPORT OF FACILITY CHANGES,  
SPECIFICATION CHANGES AND SET POINT CHANGES

Submitted March 14, 1994

### FACILITY CHANGES (FC)

The Safety Evaluation performed for the following Facility Change concluded that the change did not constitute an unreviewed safety question.

#### FC-675 - Online Total Organics Analyzer (TOC) in the Radwaste System

The Analyzer samples water at the outlet of the radwaste demineralizer effluent line, downstream of the tank outlet valve (VRW-49). Installation will allow for printout and local alarm capabilities.

### SPECIFICATION CHANGES (SC)

The Safety Evaluations performed for each of the following Specification Changes concluded that none of the changes constituted an unreviewed safety question.

#### SC-91-021

Replacement of Pipeway cooling coils due to age and leakage, increasing efficiency.

#### SC-92-013

Replacement of Breakers CB-RE11 A and B on the Reactor Protection System located in the Control Room. Original breakers no longer available or manufactured.

#### SC-92-025

Replacement of motor operator MO-7051, Primary Core Spray Valve. This operator is original plant equipment for which replacement parts are scarce. Replacement is to achieve better maintainability.

#### SC-93-002

Due to an error in calculation EA-FC-544-01-02 (11/24/82), the current vent system was undersized and did not assure adequate ventilation to the Emergency Diesel Generator (EDG) Room when the EDG was running (as committed to in letter dated 3/31/83, SEP Topic IX-5). This modification installed the correct size vent system.

#### SC-93-003

Replacement of motor operator MO-7061, Primary Core Spray Valve. This operator is original plant equipment for which replacement parts are scarce. Replacement is to achieve better maintainability.

SPECIFICATION CHANGES (SC)  
(Continued)

SC-93-004

Converted turbine trip solenoid (SV-4906) valve to a dual coil model to improve reliability.

SC-93-009

Upgraded turbine trip solenoid (SV-4906). This change converted the turbine trip solenoid to a more reliable design. (SC-93-009 preceded SC-93-004 which installed a redundant system.)

ATTACHMENT 2

CONSUMERS POWER COMPANY  
BIG ROCK POINT PLANT  
DOCKET 50-155

1993 ANNUAL REPORT  
PROCEDURE CHANGES REPORTABLE TO THE NRC

Submitted March 14, 1994

## PROCEDURE CHANGES

### FHSR Change - Chapter 8, Section 8.4.1 and Figure 8.1

Revision to Section 8.4.1.2 is a detailed description of the Station Battery Load Profile per EA-93-BATi-01 revision. Figure 8.1 graphically provides the load profile.

### Procedure SST-38 - Differential Pressure Test

Deletion of pressure measurement and the acceptance criteria for the pressure measurement at VPI-114. Measurement not easily obtained and evaluation determined that this value could be determined via analysis.

### Procedure TV-54 - Hot Water Flush of Fire/Core Spray System

New Procedure involving hooking up a temporary boiler heat exchanger unit in parallel with the yard loop feed line from the screenhouse and heating the water in the fire loop. After heating the loop, various system flushes were performed to achieve a flush temperature and kill zebra mussel larvae.

### Procedure TR-65S - Station Battery Service Test

The changes made to the FHSR make the test more accurately simulate the actual accident load that the station battery would be subjected to in performing its design function.

### Procedure TV-54 - Hot Water Flush of Fire/Core Spray System

Revision made to perform the same flush mentioned above, but while the plant is in "power operation", not just "shutdown" like the first treatment.

### Procedure TV-55 - Clam-Trol Treatment

Procedure created for chemical treatment of the circulating water, house service water and a small section of the fire system to minimize the impact of zebra mussels on plant operations.

ATTACHMENT 3

CONSUMERS POWER COMPANY  
BIG ROCK POINT PLANT  
DOCKET 50-155

1993 ANNUAL REPORT  
TESTS AND EXPERIMENTS REPORTABLE TO THE NRC

Submitted March 14, 1994

### TESTS AND EXPERIMENTS

Special Site Test SST-38 - Differential Pressure Test Procedure for MO-7070,  
MO-7071 and MO-7072

This test makes use of the Fire System, the Post Incident System and was conducted to verify the operability of motor-operated valves MO-7070, MO-7071 and MO-7072.