This renewed license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations: 10 CFR Part 20, Section 30.34 of 10 CFR Part 30, Section 40.41 of 10 CFR Part 40, Sections 50.54 and 50.59 of 10 CFR Part 50, and Section 70.32 of 10 CFR Part 70; and is subject to all applicable provisions of the Act and the ... rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions possible below:

## A. Maximum Power Level

The licensee is authorized to operate the facility at steady state reactor core power levels not in excess of 2548 misgawatts (thermal).

#### B. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Ameridment No. 255are hereby incorporated in the renewed license. The licensee shall operate the facility in accordance with the Technical Specifications.

### C. <u>Reports</u>

3.

The licensee shall make certain reports in accordance with the requirements of the Technical Specifications.

## D. <u>Records</u>

F.

G.

H.

The licenses shall keep facility operating records in accordance with the requirements of the Technical Specifications.

E. Deleted by Amendment 65

Deleted by Amendment 71

Deleted by Amendment 227

Deleted by Amendment 227

#### Fire Protection

The licensee shall implement and maintain in effect the provisions of the approved fire protection program as described in the Updated Final Safety Analysis Report and as approved in the SER dated September 19, 1979, (and Supplements dated May 29, 1980, October 9, 1980, December 18, 1980, Fabruary 13, 1981, December 4, 1981, April 27, 1982, November 18, 1982, January 17, 1984, February 25, 1988, and

Renewed License No. DPR-32 Amendment No. 255

-3-

- E. Pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.
- .3. This renewed license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations: -10 CFR Part 20, Section 30.34 of 10 CFR Part 30, Section 40.41 of 10 CFR Part 40, Sections 50.54 and 50.59 of 10 CFR Part 50, and Section 70.32 of 10 CFR Part 70; and is subject to all applicable provisions of the Act and the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified below:
  - A. Meadmum Power Level

The floansee is authorized to operate the facility at steady state reactor core power levels not in excess of 2548 magewatte (thermal).

#### B. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No.254 are hereby incorporated in this renewed license. The licensee shall operate the facility in accordance with the Technical Specifications.

## C. Reports

The licensee shall make certain reports in accordance with the requirements of the Technical Specifications.

D. Records

The licensee shall keep facility operating records in accordance with the requirements of the Technical Specifications.

- E. Deleted by Amendment 54
- F. Deleted by Amendment 59 and Amendment 55
- G. Deleted by Amendment 227
- H. Deleted by Amendment 227

Renewed License No. DPR-37 Amendment No. 254

- 2. By verifying that each motor-operated value in the recirculation spray flow paths performs satisfactorily when tested in accordance with the Inservice Testing Program.
- 3. By verifying each spray nozzle is unobstructed following maintenance which could cause nozzle blockage.
- C. Each weight-loaded check valve in the containment spray and outside containment recirculation spray subsystems shall be demonstrated OPERABLE once per 18 months by cycling the valve one complete cycle of full travel and verifying that each valve opens when the discharge line of the pump is pressurized with air and seats when a vacuum is applied.
- D. Verify, by visual inspection once per 18 months, that the recirculation spray containment sump components are not restricted by debris and show no evidence of structural distress or abnormal corrosion.

The recirculation spray pumps outside the containment have the capability of being dry-run and flow tested. The test of an outside recirculation spray pump is performed by closing the containment sump suction line valve and the isolation valve between the pump discharge and the containment penetration. This allows the pump casing to be filled with water and the pump to recirculate water through a test line from the pump discharge to the pump casing.

With a system flush conducted to remove particulate matter prior to the installation of spray nozzles and with corrosion resistant nozzles and piping, it is not considered credible that a significant number of nozzles would plug during the life of the unit to reduce the effectiveness of the subsystems. Therefore, an inspection or air or smoke test of the nozzles following maintenance which could cause nozzle blockage is sufficient to indicate that plugging of the nozzles has not occurred.

The spray nozzles in the refueling water storage tank provide means to ensure that there is no particulate matter in the refueling water storage tank and the containment spray subsystems which could plug or cause deterioration of the spray nozzles. The nozzles in the tank are identical to those used on the containment spray headers. The flow test of the containment spray pumps and recirculation to the refueling water storage will indicate any plugging of the nozzles by a reduction of flow through the nozzles.

Periodic inspections of containment sump components ensure that the components are unrestricted and stay in proper operating condition. The 18 month frequency is based on the need to perform this surveillance under the conditions that apply during a unit outage and on the need to have access to the location. This frequency has been found to be sufficient to detect abnormal degradation and is confirmed by operating experience.

#### References

FSAR Section 6.3.1, Containment Spray Pumps

FSAR Section 6.3.1, Recirculation Spray Pumps

Amendment Nos. 255, 254

- c. Power may be restored to any valve or breaker referenced in Specifications 4.11.C.4.a and 4.11.C.4.b for the purpose of testing or maintenance provided that not more than one valve has power restored at one time, and the testing and maintenance is completed and power removed within 24 hours.
- 5. Once per 18 months by:
  - a. Verifying that each automatic valve capable of receiving a safety injection signal, actuates to its correct position upon receipt of a safety injection test signal. The charging and low head safety injection pumps may be immobilized for this test.
  - b. Verifying that each charging pump and safety injection pump circuit breaker actuates to its correct position upon receipt of a safety injection test signal. The charging and low head safety injection pumps may be immobilized for this test.
  - c. Verifying by visual inspection that the low head safety injection containment sump components are not restricted by debris and show no evidence of structural distress or abnormal corrosion.

# <u>Basis</u>

Complete system tests cannot be performed when the reactor is operating because a safety injection signal causes containment isolation. The method of assuring operability of these systems is therefore to combine system tests to be performed during unit outages, with more frequent component tests, which can be performed during reactor operation.

Amendment Nos. 255, 254

The system tests demonstrate proper automatic operation of the Safety Injection System. A test signal is applied to initiate automatic operation action and verification is made that the components receive the safety injection signal in the proper sequence. The test may be performed with the pumps blocked from starting. The test demonstrates the operation of the valves, pump circuit breakers, and automatic circuitry.

During reactor operation, the instrumentation which is depended on to initiate safety injection is checked periodically, and the initiating circuits are tested in accordance with Specification 4.1. In addition, the active components (pumps and valves) are to be periodically tested to check the operation of the starting circuits and to verify that the pumps are in satisfactory running order. The test interval is determined in accordance with the Inservice Testing Program. The accumulators are a passive safeguard.

Periodic inspections of containment sump components ensure that the components are unrestricted and stay in proper operating condition. The 18 month frequency is based on the need to perform this surveillance under the conditions that apply during a unit outage and on the need to have access to the location. This frequency has been found to be sufficient to detect abnormal degradation and is confirmed by operating experience.

## References

UFSAR Section 6.2, Safety Injection System

Amendment Nos. 255, 254