



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

PUBLIC SERVICE COMPANY OF COLORADO

DOCKET NO. 50-267

FORT ST. VRAIN NUCLEAR GENERATING STATION

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 64
License No. DPR-34

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Public Service Company of Colorado (the licensee) dated April 20, 1988 as supplemented July 1 and August 5, 1988, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

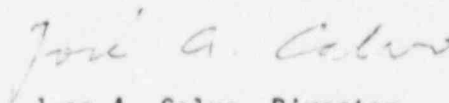
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.D.(2) of Facility Operating License No. DPR-34 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 64, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. The license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Jose A. Calvo, Director
Project Directorate - IV
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 15, 1988

ATTACHMENT TO LICENSE AMENDMENT NO. 64
TO FACILITY OPERATING LICENSE NO. DPR-34
DOCKET NO. 50-267

Replace the following pages of the Appendix A Technical Specifications with the attached pages as indicated. The revised pages are identified by amendment number and contain vertical lines indicating the areas of change.

Remove

4.6-3
4.6-5
4.6-6

Insert

4.6-3
4.6-5
4.6-6

operability of the other diesel-generator set is demonstrated immediately as in a) above and all essential buses are operable.

- e) The two station batteries and their associated D.C. buses and battery chargers are operable. One battery charger or battery may be inoperable for 24 hours, unless disconnected to perform an equalizing charge, provided conditions 1 through 4 below are satisfied.

- 1) The other station battery and its associated battery charger and both D.C. buses are operable.
- 2) D.C. bus independence is maintained and the disconnect switch for the PPS battery is open.
- 3) Both diesel-generators and their associated essential 480v buses are operable.
- 4) The PPS battery and battery charger/inverter are operable.

A battery and battery charger disconnected from a D.C. bus to perform an equalizing charge is considered inoperable, but may be disconnected for up to 5 consecutive days provided conditions 1) through 4) above are met.

One D.C. bus may be inoperable for 12 hours provided the following conditions are satisfied:

- 1) The station battery and the associated battery charger of the operable D.C. bus are operable.
- 2) Instrument power inverter supplied from the operable D.C. bus is operable.
- 3) Both diesel-generators and their associated 480v essential buses are operable.

In the normal operating mode, the unit auxiliary transformer is in operation, reserve auxiliary transformer is energized and the standby-generator sets are operable. (FSAR Section 8.2.3.3.)

The main turbine-generator can be used as a source of auxiliary power in the event that outside electrical power is lost.

In the event of loss of all outside power and a turbine-generator trip, the diesel-generator sets would come on automatically to provide the required energy necessary to safely shut down the plant.

In the event of the loss of the Reserve Auxiliary Transformer when the main turbine-generator is out of service, links in the bus between the main turbine-generator and the main power transformer can be removed, allowing the main power transformer and unit auxiliary transformer to be returned to service.

The essential 480v power source is supplied from three separate buses, any two of which can supply adequate power to shut the plant down. Under accident conditions, if the normal supply of power to these three essential buses should fail, the diesel-generator sets would come on and energize them. Bus load shedding, breaker closing, and load sequencing on to the diesel-generator sets is handled automatically.

The station batteries supply power for the instrument power inverters, protective devices and equipment operational control. During normal operation, D.C. power is supplied by A.C. to D.C. rectifiers, that is, battery chargers, which also keep the batteries fully charged. (FSAR Section 8.2.2.4.)

The backup sources of electric power for the non-interruptible A.C. Instrument Power Buses are provided from Instrument Power Transformers fed from the 480 VAC essential buses through the Inverter/Static Transfer Switches. Interruptible Instrument Bus No. 3 receives its power from redundant instrument transformers which are supplied from the essential 480 volt switchgear. (FSAR Section 8.2.2.3.)

A redundant source of electric power for the D.C. instrument loads is available from bus tie breakers between the two D.C. buses which allows the backup battery charger to supply either one of the two buses while maintaining D.C. bus independence.

These backups and redundancies permit the temporary removal from service of an instrument power inverter, a battery, a D.C. bus or a battery charger.

A diesel fuel storage capacity of 50,000 gallons is provided. A supply of 20,000 gallons of diesel fuel is adequate to provide for operation of the standby generators for at least seven days under required loading conditions. This allows adequate time to obtain additional fuel and to make provisions to restore the standby source of power into the station.