



FORT ST. VRAIN NUCLEAR GENERATING STATION
PUBLIC SERVICE COMPANY OF COLORADO

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THE FOLLOWING MATERIAL IS TRANSMITTED HEREWITH:

DFPP Index, Issue 21, dated 10-12-94

FPOR 22 Issue 2

FPOR 23 Issue 3

PLEASE RETURN YOUR SIGNED ACKNOWLEDGEMENT INDICATING RECEIPT OF THE ABOVE MATERIAL

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SECTION DFP.5.1
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FIRE PROTECTION OPERABILITY REQUIREMENTS

Storage of Activated Graphite

FPOR-22 This requirement has been deleted.

FIRE PROTECTION OPERABILITY REQUIREMENTS

Fire Water Makeup System

FPOR-23 The Fire Water Makeup System shall be operable with:

- a) A minimum of five (5) million gallons of water in the storage pond(s).
- b) At least two (2) operable circulating water makeup pumps.
- c) An operable flow path capable of taking suction from the storage pond(s) and delivering the water to the fire water pump pits.

APPLICABILITY: At all times

ACTIONS:

- a. With less than 5 million gallons of water in the storage pond(s), establish a backup water source of water within 72 hours.
- b. With one of the circulating water makeup pumps inoperable, perform an operability check on the remaining pump.
- c. With both the circulating water makeup pumps inoperable, within 24 hours return at least one pump to service or establish a source of backup fire suppression.
- d. With no operable flow path available, within 24 hours restore an operable flow path or provide an alternate source of makeup water to the fire water pump pits.

SURVEILLANCE REQUIREMENTS:

The fire water makeup system shall be demonstrated operable:

- a. At least once per seven (7) days by verifying the storage pond inventory.
- b. Deleted

c. At least once per 18 months by:

- 1) Cycling each testable valve in the makeup water flow path(s) through at least one complete cycle of full travel.
- 2) Deleted

BASIS FOR FPOR-23:

The operability of the Fire Water Makeup System, in conjunction with the fire water pumps (FPOR-10), ensures adequate fire suppression capability for any postulated fire (except in congested cable areas) involving water used as the primary suppression fluid. The makeup system and the fire water pumps supply Deluge Systems, Fixed Spray Systems, Fire Hose Stations, and Plant Yard Hydrants.

There is a small possibility that a fire in one of the congested cable areas could disable the Fire Water Makeup System. In this scenario, the Platteville Volunteer Fire Department would be summoned for assistance in extinguishing the fire using their pumpers.

In the unlikely event all makeup pumps, storage ponds and flow paths are inoperable simultaneously, off-site fire department response is available for supplemental or backup capability. 24 hours is sufficient time to return one makeup pump to service or establish a backup fire water source.

As detailed in the DFPP and the DFPP Safety Evaluation, one million gallons of water is adequate for fire suppression purposes. Hence, 5 million gallons of water in the storage pond(s) is very conservative and 72 hours is adequate time to restore the storage pond(s) level in the event the inventory is less than 5 million gallons of water.

The Surveillance Requirements and the normally operating status of the circulating water makeup pump(s) are adequate to ensure a pump will be available in the event of a fire, and an adequate water supply and operable flow path exist.