

ATTACHMENT 1  
FARLEY NUCLEAR PLANT  
PROPOSED  
TECHNICAL SPECIFICATION CHANGES

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## PLANT SYSTEMS

### 3/4.7.5 RIVER WATER SYSTEM

#### LIMITING CONDITION FOR OPERATION

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3.7.5 At least two independent river water loops shall be OPERABLE with at least two river water pumps per loop.

APPLICABILITY: MODES 1, 2, 3 and 4.

#### ACTION:

With only one river water loop OPERABLE, restore at least two loops to OPERABLE status within 7 days or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

#### SURVEILLANCE REQUIREMENTS

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4.7.5 Each river water loop shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying that each valve (manual, power operated or automatic), in the flow path, servicing safety related equipment that is not locked, sealed, or otherwise secured in position, is in its correct position.
- b. At least once per 18 months ~~during shutdown~~ <sup>delete</sup>, by:
  1. Verifying that each automatic valve servicing safety related equipment actuates to its correct position on a low pond level signal.
  2. Verifying that the buried piping is leak tight by a visual inspection of the ground area.

## ELECTRICAL POWER SYSTEMS

### SERVICE WATER BUILDING D.C. DISTRIBUTION - OPERATING

#### LIMITING CONDITION FOR OPERATION

3.8.2.5 The following D.C. distribution systems shall be energized and OPERABLE:

TRAIN "A" consisting of 125-volt D.C. Distribution Cabinet 1M, 125-volt battery bank No. 1 and a full capacity charger.

TRAIN "B" consisting of 125-volt D.C. Distribution Cabinet 1N, 125-volt battery bank No. 2, and a full capacity charger.

APPLICABILITY: MODES 1, 2, 3 and 4.

#### ACTION:

With one 125-volt D.C. distribution train inoperable\*, restore the inoperable distribution system to OPERABLE and energized status within 2 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

#### SURVEILLANCE REQUIREMENTS

4.8.2.5.1 Each D.C. train shall be determined OPERABLE and energized at least once per 7 days by verifying correct breaker alignment and indicated power availability.

4.8.2.5.2 Each 125-volt battery bank and charger shall be demonstrated OPERABLE:

a. At least once per 7 days by verifying that:

1. The electrolyte level of the pilot cell is between the minimum and maximum level indication marks.
2. The pilot cell specific gravity, corrected to 77°F and full electrolyte level, is greater than or equal to 1.190, and
3. The pilot cell voltage is greater than or equal to 2.02 volts.
4. The total battery terminal voltage is greater than or equal to 121.2 volts.

b. At least once per 92 days by verifying that:

1. The electrolyte level of each cell is between the minimum and maximum level indication marks.

\*Except during performance of Surveillance Requirement 4.8.2.5.2.d and 4.8.2.5.2.e. During this test, one train may be inoperable until the battery is recharged following completion of the battery discharge test.

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AMENDMENT NO.

## ELECTRICAL POWER SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

2. The voltage of each connected cell is greater than or equal to 2.02 volts under float charge and has not decreased more than 0.1 volts from the value observed during the original acceptance test, and
  3. The specific gravity, corrected to 77°F and full electrolyte level, of each connected cell is greater than or equal to 1.190 and has not decreased more than 0.08 from the value observed during the previous test.
- c. At least once per 18 months by verifying that:
1. The cells, cell plates and battery racks show no visual indication of physical damage or abnormal deterioration,
  2. The cell-to-cell and terminal connections are clean, tight, and coated with anti-corrosion material, and
  3. The battery charger will supply at least 3 amperes at  $\geq 125$  volts for at least 4 hours. *delete*
- d. At least once per 18 months, ~~during shutdown~~, by verifying that the battery capacity is adequate to supply and maintain in OPERABLE status all of the actual emergency loads for 2 hours when the battery is subjected to a battery service test or the individual cell voltage does not decrease below 1.75 volts when the battery is subjected to the following equivalent load profile:

<u>Order in Which Loads are Applied</u>	<u>Current (amps)</u>	<u>Duration</u>
1	25	0 - 0.1 sec
2	1	0.1 sec - 2 hours

## ELECTRICAL POWER SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

- At least once per 60 months, ~~during shutdown~~ <sup>delete</sup>, by verifying that the battery capacity is at least 80% of the manufacturer's rating when subjected to a performance discharge test. This performance discharge test shall be performed subsequent to the satisfactory completion of the required battery service test.

## PLANT SYSTEMS

### 3/4.7.5 RIVER WATER SYSTEM

#### LIMITING CONDITION FOR OPERATION

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3.7.5 At least two independent river water loops shall be OPERABLE with at least two river water pumps per loop.

APPLICABILITY: MODES 1, 2, 3 and 4.

#### ACTION:

With only one river water loop OPERABLE, restore at least two loops to OPERABLE status within 7 days or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

#### SURVEILLANCE REQUIREMENTS

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4.7.5 Each river water loop shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying that each valve (manual, power operated or automatic), in the flow path, servicing safety related equipment that is not locked, sealed, or otherwise secured in position, is in its correct position. *← delete*
- b. - At least once per 18 months ~~during shutdown~~, by:
  1. Verifying that each automatic valve servicing safety related equipment actuates to its correct position on a low pond level signal.
  2. Verifying that the buried piping is leak tight by a visual inspection of the ground area.

## ELECTRICAL POWER SYSTEMS

### SERVICE WATER BUILDING D.C. DISTRIBUTION - OPERATING

#### LIMITING CONDITION FOR OPERATION

3.8.2.5 The following D.C. distribution systems shall be energized and OPERABLE:

TRAIN "A" consisting of 125-volt D.C. Distribution Cabinet 2M, 125-volt battery bank No. 1 and a full capacity charger.

TRAIN "B" consisting of 125-volt D.C. Distribution Cabinet 2N, 125-volt battery bank No. 2 and a full capacity charger.

APPLICABILITY: MODES 1, 2, 3 and 4.

#### ACTION:

With one 125-volt D.C. distribution system inoperable\*, restore the inoperable distribution system to OPERABLE and energized status within 2 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

#### SURVEILLANCE REQUIREMENTS

4.8.2.5.1 Each D.C. bus train shall be determined OPERABLE and energized at least once per 7 days by verifying correct breaker alignment and indicated power availability with an overall voltage of greater than or equal to 121.2 volts.

4.8.2.5.2 Each 125-volt battery bank and charger shall be demonstrated OPERABLE:

a. At least once per 7 days by verifying that:

1. The electrolyte level of each pilot cell is between the minimum and maximum level indication marks,
2. The pilot cell specific gravity, corrected to 77°F and full electrolyte level, is greater than or equal to 1.190, and
3. The pilot cell voltage is greater than or equal to 2.02 volts.

b. At least once per 92 days by verifying that:

1. The electrolyte level of each cell is between the minimum and maximum level indication marks, <sup>4.8.2.5.2.d. and</sup>

\*Except during performance of Surveillance Requirement 4.8.2.5.2.e. During this test, one train may be inoperable until the battery is recharged following completion of the battery discharge test.

## ELECTRICAL POWER SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

2. The voltage of each connected cell is greater than or equal to 2.02 volts under float charge and has not decreased more than 0.1 volts from the value observed during the original acceptance test, and
  3. The specific gravity, corrected to 77°F and full electrolyte level, of each connected cell is greater than or equal to 1.190 and has not decreased more than 0.08 from the value observed during the previous test.
- c. At least once per 18 months by verifying that:
1. The cells, cell plates and battery racks show no visual indication of physical damage or abnormal deterioration,
  2. The cell-to-cell and terminal connections are clean, tight, and coated with anti-corrosion material, and
  3. The battery charger will supply at least 3 amperes at  $\geq 125$  volts for at least 4 hours.
- d. At least once per 18 months, ~~during shutdown~~ <sup>delete</sup> by verifying that the battery capacity is adequate to supply and maintain in OPERABLE status all of the actual emergency loads for 2 hours when the battery is subjected to a battery service test or the individual cell voltage does not decrease below 1.75 volts when the battery is subjected to the following equivalent load profile:

<u>Order in Which Loads are Applied</u>	<u>Current (amps)</u>	<u>Duration</u>
1	25	0 - 0.1 sec
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## ELECTRICAL POWER SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

- e. At least once per 60 months, ~~during shutdown~~ <sup>delete</sup> by verifying that the battery capacity is at least 80% of the manufacturer's rating when subjected to a performance discharge test. This performance discharge test shall be performed subsequent to the satisfactory completion of the required battery service test.