



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

VIRGINIA ELECTRIC AND POWER COMPANY

OLD DOMINION ELECTRIC COOPERATIVE

DOCKET NO. 50-338

NORTH ANNA POWER STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 57
License No. NPF-4

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Virginia Electric and Power Company (the licensee) dated September 16, 1983, 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, 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 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.

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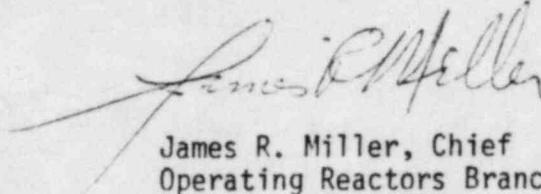
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.D.(2) of Facility Operating License No. NPF-4 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 57, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective within 30 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



James R. Miller, Chief
Operating Reactors Branch #3
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 23, 1984

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO.57 TO FACILITY OPERATING LICENSE NO. NPF-4

DOCKET NO. 50-338

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages as indicated. The revised pages are identified by amendment number and contains vertical lines indicating the area of change. The corresponding overleaf pages are also provided to maintain document completeness.

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PLANT SYSTEMS

3/4.7.3 COMPONENT COOLING WATER SUBSYSTEM

LIMITING CONDITION FOR OPERATION

3.7.3.1 At least two component cooling water subsystems (shared with Unit 2) shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3 and 4.

ACTION:

With only one component cooling water subsystem OPERABLE, restore at least two subsystems to OPERABLE status within 72 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.7.3.1 At least two component cooling water subsystems shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying that each valve (manual, power operated or automatic) servicing safety related equipment that is not locked, sealed, or otherwise secured in position, is in its correct position.

PLANT SYSTEMS

3/4.7.4 SERVICE WATER SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.4.1 At least two service water loops (shared with Unit 2) shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3 and 4.

ACTION:

With only one service water loop OPERABLE, restore at least two loops to OPERABLE status within 72 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.7.4.1 At least two service water loops shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying that each valve (manual, power operated or automatic) servicing safety related equipment that is not locked, sealed, or otherwise secured in position, is in its correct position.
- b. At least once per 6 months by measurement of the movement of the pumphouse and wing walls.
- c. 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 safety injection signal.
 2. Verifying that each containment isolation valve actuates to its correct position on a containment high-high signal.

PLANT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

1. With a half-life greater than 30 days (excluding Hydrogen 3), and
 2. In any form other than gas.
- b. Stored sources not in use - Each sealed source and fission detector shall be tested prior to use or transfer to another licensee unless tested within the previous six months. Sealed sources and fission detectors transferred without a certificate indicating the last test date shall be tested prior to being placed into use.
- c. Startup sources and fission detectors - Each sealed startup source and fission detector shall be tested within 31 days prior to being subjected to core flux or installed in the core and following repair or maintenance to the source.

4.7.11.1.3 Reports - A Special Report shall be prepared and submitted to the Commission on an annual basis if sealed source or fission detector leakage tests reveal the presence of ≥ 0.005 microcuries of removable contamination.

PLANT SYSTEMS

3/4.7.12 SETTLEMENT OF CLASS 1 STRUCTURES

LIMITING CONDITION FOR OPERATION

3.7.12.1 The total settlement of each Class 1 structure or the differential settlement between Class 1 structures shall not exceed the allowable values of Table 3.7-5.

APPLICABILITY: All MODES

ACTION:

- a. With either the total settlement of any structure or the differential settlement of any structures exceeding 75 percent of the allowable settlement, conduct an engineering review of field conditions and evaluate the consequences of additional settlement. Submit a special report to the Commission pursuant to Specification 6.9.2 within 60 days, containing the results of the investigation, the evaluation of existing and possible continued settlement and the remedial action to be taken if any, including the date of the next survey.
- b. With the total settlement of any structure or the differential settlement of any two structures exceeding the allowable settlement value of Table 3.7-5, be in at least HOT STANDBY within 6 hours and COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.7.12.1 The total settlement of each Class 1 structure or the differential settlement between Class 1 structures listed in Table 3.7-5 shall be determined to the nearest 0.01 foot by measurement and calculation at least once per 6 months.

TABLE 3.7-5

ALLOWABLE TOTAL SETTLEMENT OR DIFFERENTIAL SETTLEMENT FOR CLASS 1 STRUCTURES

| <u>SETTLEMENT POINT</u> | <u>STRUCTURE</u> | <u>SETTLEMENT POINT</u> | <u>STRUCTURE/COMPONENT</u> | <u>ALLOWABLE TOTAL SETTLEMENT* (FEET)</u> | <u>ALLOWABLE DIFFERENTIAL SETTLEMENT* (FEET)</u> |
|-------------------------|---|-------------------------|--|---|--|
| 130 | Containment Unit 1 | 223 | Fuel Building | N/A | 0.12 |
| 130 | Containment Unit 1 | 129 | Auxiliary Building | N/A | 0.12 |
| 143 | Containment Unit 1 | 142 | Unit 1 Safeguards Area | N/A | 0.04 |
| 144 | Containment Unit 1 | 145 | Unit 1 Safeguards Area | N/A | 0.04 |
| 149 | Containment Unit 1 | 239 | Unit 1 Main Steam Valve House | N/A | 0.12 |
| 144 | Containment Unit 1 | 243,199,132 | Service Building | N/A | 0.12 |
| 146 | Safeguards Unit 1 | 239 | Unit 1 Main Steam Valve House | N/A | 0.07 |
| 128 | Auxiliary Building | 238 | Unit 1 Main Steam Valve House | N/A | 0.08 |
| 129 | Auxiliary Building | 239 | Unit 1 Main Steam Valve House | N/A | 0.08 |
| 129 | Auxiliary Building | 223 | Fuel Building | N/A | 0.05 |
| 123 | Auxiliary Building | 224 | Fuel Building | N/A | 0.05 |
| 122 | Auxiliary Building | 119 | Service Building Tunnel | N/A | 0.07 |
| 7 or 10 | Service Water Pump House | 15,16, 17, 18 | North Side of Expansion Joint Service Water Piping at SWPH | N/A | 0.22 from 7/77 |
| 243,132 | Service Building (E-5, E-6) | 238 | Unit 1 Main Steam Valve House | N/A | 0.04 |
| 117 | **Service Building (E-14) | 113 | Unit 2 Main Steam Valve House | N/A | 0.03 from 7/77 |
| 222 | Auxiliary Feedwater Pump House - Unit 1 | 248 | Pipe Tunnel | N/A | 0.12 |

TABLE 3.7-5

ALLOWABLE TOTAL SETTLEMENT OR DIFFERENTIAL SETTLEMENT FOR CLASS 1 STRUCTURES

| <u>SETTLEMENT POINT</u> | <u>STRUCTURE</u> | <u>SETTLEMENT POINT</u> | <u>STRUCTURE/COMPONENT</u> | <u>ALLOWABLE TOTAL SETTLEMENT* (FEET)</u> | <u>ALLOWABLE DIFFERENTIAL SETTLEMENT* (FEET)</u> |
|-------------------------|--|-------------------------|--------------------------------|---|--|
| 15,16,17, 18 | North Side of Expansion Joint Service Water Piping at SWPH | | | 0.22 from 8/78 | N/A |
| 228 | Decontamination Building | 250 | Pipe Tunnel | N/A | 0.06 |
| 226 | Fuel Building | 251 | Waste Gas Decay Tank Enclosure | N/A | 0.06 |
| 8 | Service Water Pump House | H-569,H-584 | Pipe Hanger in Reservoir | N/A | 0.17 |
| 114 | Service Building (E-17) | | | 0.09 | N/A |
| 141 | Safeguards Area - Unit 1 | 253 | Unit 1 - Casing Cooling Bldg. | N/A | 0.12 from 2/79 |
| 158 | ***Turbine Building (B-9 1/2) | | | 0.06 | N/A |
| 245, 246 | Fuel Oil Pump House | | | 0.03 | N/A |
| 206, 207, 208, 209 | Boron Recovery Tank Dike | | | 0.03 | N/A |
| 204 | Circulating Water Intake Structure | | | 0.15 | N/A |

*Unless otherwise indicated, allowable settlements are from baseline elevations established in May 1976 or reference elevations corrected to the May 1976 survey.

**Critical differential settlement is downward movement of Point 117 with respect to Point 113.

***Not Class 1 structure, but settlements affects Class 1 pipeline.

PLANT SYSTEMS

3/4.7.13 GROUNDWATER LEVEL-SERVICE WATER RESERVOIR

LIMITING CONDITION FOR OPERATION

3.7.13 The groundwater level of the service water reservoir shall not exceed the elevation at the locations listed in Table 3.7-6. The flow of groundwater from the drains beneath the pumphouse shall not exceed the values given in Table 3.7-6.

APPLICABILITY: All MODES.

ACTION:

With the groundwater level of the service water reservoir or the groundwater flow rate exceeding any of the limits of Table 3.7-6, an engineering evaluation shall be performed by a Licensed Civil Engineer to determine the cause of the high ground water or flow rates and the influence on the stability of the service water reservoir and pumphouse. A Special Report shall be prepared and submitted to the Commission pursuant to Specification 6.9.2 within 90 days, containing the results of the evaluation and any corrective action determined to be necessary.

SURVEILLANCE REQUIREMENTS

4.7.13.1 The groundwater level within the dike of the service water reservoir as determined by monitoring the piezometers shall be within limits presented in Table 3.7-6. Measurements shall be performed at least once per 6 months. The groundwater flow rate shall be determined by measurements at the drain outlet gallery. Flow rate measurements shall be taken at the same frequency as the piezometers (that is once per every 6 months) and the flow rate shall not exceed that established in Table 3.7-6. A visual inspection of the clarity of the outflow from each drain shall be performed in conjunction with the flow monitoring effort.

TABLE 3.7-6

ALLOWABLE GROUNDWATER LEVELS - SERVICE WATER RESERVOIR

| <u>PIEZOMETER NO.</u> | <u>PIEZOMETER LOCATION</u> | <u>ALLOWABLE GROUNDWATER ELEVATION, Mean Sea Level (feet)</u> |
|-----------------------|----------------------------|---|
| 10 | SE, toe | 277 |
| 11 | SWPH, (Units 1 & 2) crest | 280 |
| 12 | SWPH, (Units 1 & 2) toe | 285 |
| 13 | SWPH, (Units 1 & 2) crest | 280 |
| 14 | SWPH, (Units 1 & 2) crest | 280 |
| 15 | SE, crest | 280 |
| 16 | SE, crest | 280 |
| 17 | SE, crest | 280 |
| 18 | SWPH (Units 3 & 4) | 295 |

| <u>DRAIN OUTLETS</u> | <u>LOCATION</u> | <u>ALLOWABLE DRAIN FLOW RATE (gallons per minute)</u> |
|----------------------|------------------|---|
| 1 through 6 | Drainage Gallery | FLOW RATE SHALL NOT EXCEED 8.5 GALLONS PER MINUTE (gpm) |



UNITED STATES
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WASHINGTON, D. C. 20555

VIRGINIA ELECTRIC AND POWER COMPANY

OLD DOMINION ELECTRIC COOPERATIVE

DOCKET NO. 50-339

NORTH ANNA POWER STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 39
License No. NPF-7

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Virginia Electric and Power Company (the licensee) dated September 16, 1983, 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, 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 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.

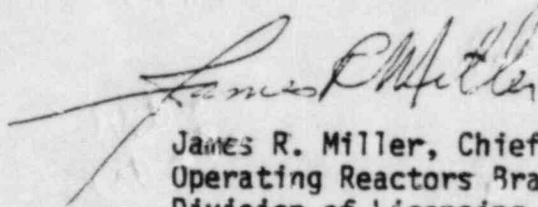
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-7 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 39, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective within 30 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



James R. Miller, Chief
Operating Reactors Branch #3
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 23, 1984

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 39 TO FACILITY OPERATING LICENSE NO. N2F-7

DOCKET NO. 50-339

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages as indicated. The revised pages are identified by amendment number and contains vertical lines indicating the area of change. The corresponding overleaf pages are also provided to maintain document completeness.

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PLANT SYSTEMS

3/4.7.4 SERVICE WATER SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.4.1 At least two service water loops (shared with Unit 1) shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3 and 4.

ACTION:

With only one service water loop OPERABLE, restore at least two loops to OPERABLE status within 72 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.7.4.1 At least two service water loops shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying that each valve (manual, power operated or automatic) servicing safety related equipment that is not locked, sealed, or otherwise secured in position, is in its correct position.
- b. At least once per 6 months by measurement of the movement of the pumphouse and wing walls.
- c. 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 safety injection signal.
 2. Verifying that each containment isolation valve actuates to its correct position on a containment high-high signal.

PLANT SYSTEMS

3/4.7.5 ULTIMATE HEAT SINK

LIMITING CONDITION FOR OPERATION

3.7.5.1 The ultimate heat sinks shall be OPERABLE:

a. Service Water Reservoir with:

1. A minimum water level at or above elevation 313 Mean Sea Level, USGS datum, and
2. An average water temperature of less than or equal to 95°F as measured at the service water pump outlet.

b. The North Anna Reservoir with:

1. A minimum water level at or above elevation 244 Mean Sea Level, USGS datum, and
2. An average water temperature of less than or equal to 95°F as measured at the condenser inlet.

APPLICABILITY: MODES 1, 2, 3 and 4.

ACTION:

With the requirements of the above specification not satisfied, be in at least HOT STANDBY within 6 hours and in COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.7.5.1 The ultimate heat sinks shall be determined OPERABLE at least once per 24 hours by verifying the average water temperature and water level to be within their limits.

4.7.5.2 Data for calculating the leakage from the service water reservoir shall be obtained and recorded at least once per 6 months.

PLANT SYSTEMS

3/4.7.12 SETTLEMENT OF CLASS 1 STRUCTURES

LIMITING CONDITION FOR OPERATION

3.7.12.1 The total settlement of each Class 1 structure or the differential settlement between Class 1 structures shall not exceed the allowable values of Table 3.7-5.

APPLICABILITY: All MODES

ACTION:

- a. With either the total settlement of any structure or the differential settlement of any structures exceeding 75 percent of the allowable settlement, conduct an engineering review of field conditions and evaluate the consequences of additional settlement. Submit a special report to the Commission pursuant to Specification 6.9.2 within 60 days, containing the results of the investigation, the evaluation of existing and possible continued settlement and remedial action to be taken if any, including the date of the next survey.
- b. With the total settlement of any structure or the differential settlement of any two structures exceeding the allowable settlement value of Table 3.7-5, be in at least HOT STANDBY within 6 hours and COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

4.7.12.1 The total settlement of each Class 1 structure or the differential settlement between Class 1 structures listed in Table 3.7-5 shall be determined to the nearest 0.01 foot by measurement and calculation at least once per 6 months.

TABLE 3.7-5

ALLOWABLE TOTAL SETTLEMENT OR DIFFERENTIAL SETTLEMENT FOR CLASS 1 STRUCTURES

| <u>SETTLEMENT POINT</u> | <u>STRUCTURE</u> | <u>SETTLEMENT POINT</u> | <u>STRUCTURE/COMPONENT</u> | <u>ALLOWABLE TOTAL SETTLEMENT* (FEET)</u> | <u>ALLOWABLE DIFFERENTIAL SETTLEMENT* (FEET)</u> |
|-------------------------|---------------------------------------|-------------------------|-------------------------------|---|--|
| 131 | Containment Unit 2 | 224 | Fuel Building | N/A | 0.12 |
| 131 | Containment Unit 2 | 123 | Auxiliary Building | N/A | 0.05 |
| 106 | Containment Unit 2 | 105 | Unit 2 Safeguards Area | N/A | 0.07 |
| 107 | Containment Unit 2 | 108 | Unit 2 Safeguards Area | N/A | 0.07 |
| 131 | Containment Unit 2 | 124 | Unit 2 Main Steam Valve House | N/A | 0.03 |
| 107 | Containment Unit 2 | 116 | Service Building (E-15) | N/A | 0.12 |
| 111 | Safeguards Area Unit 2 | 124 | Unit 2 Main Steam Valve House | N/A | 0.12 |
| 122 | Auxiliary Building | 120 | Unit 2 Main Steam Valve House | N/A | 0.04 |
| 123 | Auxiliary Building | 124 | Unit 2 Main Steam Valve House | N/A | 0.04 |
| 123 | Auxiliary Building | 224 | Fuel Building | N/A | 0.05 |
| 129 | Auxiliary Building | 223 | Fuel Building | N/A | 0.05 |
| 122 | Auxiliary Building | 119 | Service Building Tunnel | N/A | 0.07 |
| 243, 132 | Service Building (E-5, E-6) | 238 | Unit 1 Main Steam Valve House | N/A | 0.04 |
| 117 | **Service Building (E-14) | 113 | Unit 2 Main Steam Valve House | N/A | 0.03 from 7/77 |
| 231 | Auxiliary Feedwater Pump House Unit 2 | 249 | Pipe Tunnel | N/A | 0.12 |
| 228 | Decontamination Building | 250 | Pipe Tunnel | N/A | 0.06 |

TABLE 3.7-5 (Continued)

ALLOWABLE TOTAL SETTLEMENT OR DIFFERENTIAL SETTLEMENT FOR CLASS 1 STRUCTURES

| <u>SETTLEMENT POINT</u> | <u>STRUCTURE</u> | <u>SETTLEMENT POINT</u> | <u>STRUCTURE/COMPONENT</u> | <u>ALLOWABLE TOTAL SETTLEMENT* (FEET)</u> | <u>ALLOWABLE DIFFERENTIAL SETTLEMENT* (FEET)</u> |
|-------------------------|--|-------------------------|--|---|--|
| 226 | Fuel Building | 251 | Waste Gas Decay Tank Enclosure | N/A | 0.06 |
| 104 | Safeguards Area Unit 2 | 254 | Unit 2 Casing Cooling Building | N/A | 0.12 |
| 7, 10 | Service Water Pump House | 15, 16, 17, or 18 | Service Water Piping at SWPH North Side of Expansion Joint | N/A | from 2/79 0.22 from 7/77 |
| 8 | Service Water Pump House | H-569 H-584 | Pipe Hanger in Reservoir | N/A | 0.17 |
| 15, 16, 17, 18 | Service Water Piping at SWPH North Side of Expansion Joint | | | 0.22 from 8/78 | N/A |
| 204 | Circulating Water Intake Structure | | | 0.15 | N/A |
| 158 | ***Turbine Building (B-9 1/2) | | | 0.06 | N/A |
| 114 | Service Building (E-17) | | | 0.09 | N/A |
| 245, 246 | Fuel Oil Pump House | | | 0.03 | N/A |
| 206 207, 208, 209 | Boron Recovery Tank Dike | | | 0.03 | N/A |

TABLE 3.7-5 (Continued)

ALLOWABLE TOTAL SETTLEMENT OR DIFFERENTIAL SETTLEMENT FOR CLASS 1 STRUCTURES

* Unless otherwise indicated, allowable settlements are from base-line elevations established in May 1976 or reference elevations corrected to the May 1976 survey.

** Critical differential settlement is downward movement of Point 117 with respect to Point 113.

***Not Class 1 structure, but settlement affects Class 1 pipeline.

PLANT SYSTEMS

3/4.7.13 GROUNDWATER LEVEL-SERVICE WATER RESERVOIR

LIMITING CONDITION FOR OPERATION

3.7.13 The groundwater level of the service water reservoir (common to Units 1 and 2) shall not exceed the elevation at the locations listed in Table 3.7-6. The flow of groundwater from the drains beneath the pumphouse shall not exceed the values given in Table 3.7-6.

APPLICABILITY: All MODES.

ACTION:

With the groundwater level of the service water reservoir or the ground water flow rate exceeding any of the limits of Table 3.7-6, an engineering evaluation shall be performed by a Licensed Civil Engineer to determine the cause of the high ground water or flow rates and the influence on the stability of the service water reservoir and pumphouse. A Special Report shall be prepared and submitted to the Commission pursuant to Specification 6.9.2 within 90 days, containing the results of the evaluation and any corrective action determined to be necessary.

SURVEILLANCE REQUIREMENTS

4.7.13.1 The groundwater level within the dike of the service water reservoir as determined by monitoring the piezometers shall be within limits presented in Table 3.7-6. Measurements shall be performed at least once per 6 months. The groundwater flow rate shall be determined by measurements at the drain outlet gallery. Flow rate measurements shall be taken at the same frequency as the piezometers (that is once per every 6 months) and the flow rate shall not exceed that established in Table 3.7-6. A visual inspection of the clarity of the outflow from each drain shall be performed in conjunction with the flow monitoring effort.

TABLE 3.7-6

ALLOWABLE GROUNDWATER LEVELS - SERVICE WATER RESERVOIR

| <u>PIEZOMETER NO.</u> | <u>PIEZOMETER LOCATION</u> | <u>ALLOWABLE GROUNDWATER ELEVATION Mean Sea Level (feet)</u> |
|-----------------------|----------------------------|--|
| 10 | SE, toe | 277 |
| 11 | SWPH, (Units 1 & 2) crest | 280 |
| 12 | SWPH, (Units 1 & 2) toe | 285 |
| 13 | SWPH, (Units 1 & 2) crest | 280 |
| 14 | SWPH, (Units 1 & 2) crest | 280 |
| 15 | SE, crest | 280 |
| 16 | SE, crest | 280 |
| 17 | SE, crest | 280 |
| 18 | SWPH (Units 3 & 4) | 295 |

| <u>DRAIN OUTLETS</u> | <u>LOCATION</u> | <u>ALLOWABLE DRAIN FLOWRATE (gallons per minute)</u> |
|----------------------|------------------|--|
| 1 through 6 | Drainage Gallery | FLOW RATE SHALL NOT EXCEED 8.5 GALLONS PER MINUTE (gpm) |