UPDATED TECHNICAL SPECIFICATION PAGES

FACILITY OPERATING LICENSE NO. DPR-44

DOCKET NO. 50-277

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed updated pages.

| Remove | Insert |
|--------|----------|
| 11 | 11 |
| 111 | 111 |
| vi | v1 |
| via | , a 3, a |
| vii | vii |
| 84 | 84 |
| 207 | 207 |

PBAPS
TABLE OF CONTENTS (Cont'd)

| | | CONDITIONS FOR OPERATION | SURVEILLANCE REQUIREMENTS | Page |
|------|-------|---------------------------------------|------------------------------|------------------|
| 3.6 | PRIM | ARY SYSTEM BOUNDARY | 4.6 | 143 |
| | Α. | Thermal and Pressurization | | |
| | | Limitations | A | 143 |
| | В. | Coolant Chemistry | В | 145 |
| | c. | | | 146 |
| | D. | Safety and Relief Valves | C D E F | 147 |
| | E. | | E | 148 |
| | F. | Recirculation Pumps | F | 149 |
| | G. | Structural Integrity | G | 149 |
| 3.7 | CONT | AINMENT SYSTEMS | 4.7 | 165 |
| | Α. | Primary Containment | A | 165 |
| | В. | Standby Gas Treatment System | В | 175 |
| | c. | Secondary Containment | C | 176 |
| | D. | Primary Containment Isolation Valves | D D | 177 |
| 3.8 | RADIO | PACTIVE MATERIALS | 4.8 | 203 |
| | A. | General | A | 203 |
| | В. | Liquid Effluents | В | |
| | C. | Gaseous Effluents | C | 204 |
| | D. | 40 CFR 190 | D | 208 |
| | E. | Radiological Environmental Monitoring | | 216 |
| | F. | Solid Radioactive Waste | E | 216a-2 |
| | G. | Mechanical Vacuum Pump | F G | 216a-5 216a-6 |
| 3.9 | AUXIL | LIARY ELECTRICAL SYSTEMS | 4.9 | 217 |
| | Α. | Auxiliary Electrical Equipment | | 217 |
| | В. | Operation with Inoperable Equipment | A | |
| | C. | Emergency Service Water System | B | 219 |
| 3.10 | CORE | | 4.10 | 225 |
| | Α. | Refueling Interlocks | A | 225 |
| | В. | Core Monitoring | | 227 |
| | C. | Spent Fuel Pool Water Level | B | 228a |
| | D. | Heavy Loads Over Spent Fuel | D | 228a |
| 1.11 | ADDIT | IONAL SAFETY RELATED PLANT | | |
| | CAPAB | ILITIES | 4.11 | 233 |
| | Α. | Main Control Room Ventilation | A | 233 |
| | В. | Alternate Heat Sink Facility | В | 234 |
| | c. | Emergency Shutdown Control Panel | B | 234 |
| | D. | Shock Suppressors | D | 234a |

PBAPS
TABLE OF CONTENTS (Cont'd)

| LIMIT | ring c | ONDITIONS FOR OPERATION | SURVEILLANCE REQUIREMENTS | Page |
|-------|--------|---|------------------------------|------|
| 3.12 | RIVER | LEVEL | 4.12 | 237- |
| | A. | High River Water Level | A | 237 |
| | В. | Low River Water Level | В | 237 |
| | C. | Level Instrumentation | C | 238 |
| 3.13 | MISCE | LLANEOUS RADIOACTIVE MATERIALS SOURCE | \$ 4.13 | 240a |
| 3.14 | FIRE | PROTECTION · | 4.14 | 240c |
| | Α. | Water Fire Protection System | A | 240c |
| | В. | CO2 Fire Protection System | В | 240g |
| | C. | Fire Detection | č | 240i |
| | D. | CO2 Fire Protection System Fire Detection Fire Barrier Penetrations | D | 2401 |
| | E. | Water Suppression Systems | E | 240k |
| | F. | Battery Rm. Vent. Flow Detector | F | 2401 |
| 3.15 | SEISM | IC MONITORING INSTRUMENTATION | 4.15 | 240t |
| 5.0 | MAJO | R DESIGN FEATURES | | 241 |
| 6.0 | ADMI | NISTRATIVE CONTROLS | | 243 |
| | 6.1 | Responsibility | | 243 |
| | 6.2 | Organization | | 243 |
| | 6.3 | Facility Staff Qualifications | | 246 |
| | 6.4 | Training Review and Audit | | 246 |
| | 6.5 | Review and Audit | | 246 |
| | 0.0 | Reportable Occurrence Action | | 253 |
| | 6.7 | Safety Timit Wiolation | | 253 |
| | 6.8 | Procedures | | 253 |
| | 6.9 | Reporting Requirements | | 254 |
| | | Record Retention | | 260 |
| | 6.11 | Radiation Protection Program | | 261 |
| | 6.12 | Fire Protection Inspections | | 261 |
| | 6.13 | High Radiation Area | | 262 |
| | 6.14 | Integrity of Systems Outside Contains | nent | 263 |
| | 6.15 | Iodine Monitoring | | 263 |
| | 6.16 | | | 264 |
| | 6.17 | Offsite Dose Calculation Manual | | 265 |
| | 6.18 | Major Changes to Radioactive Waste Treats | ment Systems | 265 |

| Table | · Title. | Page |
|---------|--|--------|
| 4.2.B | Minimum Test and Calibration Frequency for CSCS | 81 |
| 4.2.C | Minimum Test and Calibration Frequency for Control Rod Blocks Actuation | 83 |
| 4.2.D | Minimum Test and Calibration Frequency for Radiation Monitoring Systems | 84 |
| 4.2.E | Minimum Test and Calibration Frequency for Drywell Leak Detection | 85 |
| 4.2.F | Minimum Test and Calibration Frequency for Surveillance Instrumentation | 86 |
| 4.2.G | Minimum Test and Calibration Frequency for Recirculation Pump Trip | 88 |
| 3.5.K.2 | Operating Limit MCPR Values for Various Core Exposures | 1338 |
| 3.5.K.3 | Operating Limit MCPR Values for Various Core Exposures | 133e |
| 4.6.1 | In-Service Inspection Program for Peach Bottom Units 2 and 3 | 150 |
| 3.7.1 | Primary Containment Isolation Valves | 179 |
| 3.7.2 | Testable Penetrations With Double O-Ring Seals | 184 |
| 3.7.3 | Testable Penetrations with Testable Bellows | 184 |
| 3.7.4 | Primary Containment Testable Isolation Valves | 185 |
| 4.8.1 | Radioactive Liquid Waste Sampling and Analysis | 2165-1 |
| 4.8.2 | Radioactive Gaseous Waste Sampling and Analysis | 216c-1 |
| 4.8.3.a | Radiological Environmental Monitoring Program | 216d-1 |
| 4.8.3.5 | Reporting Levels for Radioactivity by Concentrations in Environmental Sample | 2168-5 |

PBAPS

Unit 2

| Table | Title | Page |
|----------|---|--------|
| 4.8.3.c | Maximum Values for Minimum Detectable Levels of Activity | 2168-6 |
| 3.11.D.1 | Safety Related Shock Suppressors | 2346 |
| 3.14.C.1 | Fire Detectors | 240m |
| 3.15 | Seismic Monitoring Instrumentation | 240u |
| 3.15 | Seismic Monitoring Instrumentation Surveillance Requirements | 240v |

2) Standby Gas Treatment System Actuation

TABLE 4.2.D

MINIMUM TEST & CALIBRATION FREQUENCY FOR RADIATION MONITORING SYSTEMS

| Instrument Channels | Instrument Functional Test | Calibration | Check [2] |
|--|-------------------------------|---------------|-----------|
| 1) Refuel Area Exhaust Monitors - Upscale | (1) | Once/3 months | Once/day |
| 2) Reactor Building Area | (1) | Once/3 months | Once/day |
| Logic System Functional Test (4) (6) | Frequency | | |
| 1) Reactor Building Isolation | Once/6 months | | |

Once/6 months

- may be used to estimate flow.
- f. If the requirements of 3.8.B.3.a, 3.8.B.3.b, 3.8.B.3.c, 3.8.B.3.d, or 3.8.B.3.e cannot be met, suspend release of radioactive effluents via this pathway.
- g. With less than the minimum number of radioactive liquid radwaste monitors OPERABLE exert best efforts to return the instruments to OPERABLE status within 30 days and if unsuccessful explain in the next Semiannual Radioactive Effluent Release Report why the inoperability was not corrected in a timely manner.
- All liquids shall be processed through either the waste collector filter and demineralizer, the floor drain filter, or the fuel pool filter demineralizer as appropriate prior to their discharge when the projected dose due to the liquid effluent releases to unrestricted areas, when averaged over any month, exceeds 0.12 mrem to the total body or 0.4 mrem to any organ from the two reactors at the site. With liquid waste being discharged without treatment as required above, prepare and submit to the Commission within 21 working days pursuant to Specification 6.9.3, a Special Peport which includes the following information: a. Explanation of why liquid radwaste was
- 4a. Doses due to liquid effluent releases to areas at and beyond the SITE BOUNDARY shall be projected once per month in accordance with the methodology and parameters in the ODCM.
- 4b. The waste collector filter and demineralizer and the floor drain filter shall be demonstrated operable once per quarter, unless utilized to process liquid waste during the previous 13 weeks, by analyzing the liquid processed through the appropriate equipment to determine that it meets the requirements of Specification 3.8.B.1. The fuel pool filter demineralizer is exempt from this requirement since it is an alternate treatment system which is

UPDATED TECHNICAL SPECIFICATION PAGES

FACILITY OPERATING LICENSE NO. DPR-56

DOCKET NO. 50-278

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed updated pages.

| Remove | Insert |
|--------|--------|
| ii | 11 |
| 111 | 111 |
| fv | iv |
| vi | vi |
| via | |
| vii | vii |
| 84 | 84 |

PBAPS
TABLE OF CONTENTS (Cont'd)

| | | COMBILIONS FOR OPERATION | SURVEILLANCE REQUIREMENTS | Page |
|-----|-------|--|------------------------------|--------|
| 3.6 | PRIN | ARY SYSTEM BOUNDARY | 4.6 | 143 |
| | Α. | Thermal and Pressurization | | |
| | | Limitations | A | |
| | В. | Coolant Chemistry | B | 143 |
| | C. | Coolant Leakage | e e | 145 |
| | D. | Safety and Relief Valves | | 146 |
| | E. | Jet Pumps | C D E F | 147 |
| | F. | Recirculation Pumps | F | 148 |
| | G. | Structural Integrity | Ğ | 149 |
| 3.7 | CONT | AINMENT SYSTEMS | 4.7 | 165 |
| | Α. | Primary Containment | | |
| | В. | Standby Gas Treatment System | A | 165 |
| | c. | Secondary Containment | 3 | 175 |
| | D. | Primary Containment Isolation Valves | C | 176 |
| 3.8 | RADI | OACTIVE MATERIALS | | 177 |
| | Α. | General | | |
| | В. | The state of the s | A | 203 |
| | C. | Liquid Effluents | В | 204 |
| | D. | Gaseous Effluents | C | 208 |
| | | 40 CFR 190 | D | 216 |
| | E. | Radiological Environmental Monitoring | E | 216a-2 |
| | F. | Solid Radioactive Waste | F | 216a-5 |
| | G. | Mechanical Vacuum Pump | G | 216a-6 |
| 3.9 | AUXII | LIARY ELECTRICAL SYSTEMS | 4.9 | 217 |
| | Α. | Auxiliary Electrical Equipment | A | 21.7 |
| | В. | Operation with Inoperable Equipment | | 217 |
| | c. | Emergency Service Water System | B | 219 |
| .10 | CORE | | 4.10 | 225 |
| | Α. | Refueling Interlocks | A | 225 |
| | В. | Core Monitoring | В | 227 |
| | c. | Spent Fuel Pool Water Level | č | 228a |
| | D. | Heavy Loads Over Spent Fuel | D | 228a |
| .11 | ADDIT | IONAL SAFETY RELATED PLANT | | |
| | CAPAB | ILITIES | 4.11 | 233 |
| | λ. | Main Control Room Ventilation | A | 233 |
| | | | | |
| | В. | Alternate Heat Sink Facility | | |
| | В. | Alternate Heat Sink Facility Emergency Shutdown Control Panel Shock Suppressors | В | 234 |

TABLE OF CONTENTS (Cont'd)

| LIM | ITING | CONDITIONS FOR OPERATION | SURVEILLANC REQUIREMENTS | E Page |
|------|--|---|-----------------------------|---|
| 3.12 | RIVER | R LEVEL | 4.12 | 237 |
| | В. | High River Water Level Low River Water Level | A B | 237 237 |
| | C. | Level Instrumentation | С | 238 |
| 3.13 | MISCE | LLANEOUS RADIOACTIVE MATERIALS SOURCES | 4.13 | 240a |
| 3.14 | FIRE | PROTECTION | 4.14 | 240c |
| | B. C. D. | Water Fire Protection System CO2 Fire Protection System Fire Detection Fire Barrier Penetrations Water Suppression Systems Battery Rm. Vent. Flow Detector | A B C D E | 240c 240g 240i 240j 240k 240l |
| 3.15 | SEISM | IC MONITORING INSTRUMENTATION | 4.15 | 240t |
| 5.0 | MAJO | R DESIGN FEATURES | | 241 |
| 6.0 | ADMI | NISTRATIVE CONTROLS | | 243 |
| | 6.2 6.3 6.4 6.5 6.6 6.7 6.8 6.9 6.10 6.11 6.12 6.13 6.14 | Responsibility Organization Facility Staff Qualifications Training Review and Audit Reportable Occurrence Action Safety Limit Violation Procedures Reporting Requirements Record Retention Radiation Protection Program Fire Protection Inspections High Radiation Area Integrity of Systems Outside Containm Iodine Monitoring Environmental Qualification | ent | 243 246 246 246 253 253 253 254 260 261 262 263 264 |
| | 6.17 | Offsite Dose Calculation Manual Major Changes to Radioactive Waste Treatme | ent Systems | 265 265 |

PBAPS LIST OF FIGURES

| Figure | <u>Title</u> | Page |
|----------|--|------|
| 1.1-1 | APRM Flow Bias Scram Relationship To Normal | 16 |
| 4.1.1 | Operating Conditions Instrument Test Interval Determination Curves | 55 |
| 4.2.2 | Probability of System Unavailability vs. Test | 98 |
| 4.2.2 | Interval | |
| 3.4.1 | Required Volume and Concentration of | 122 |
| 3.1.1 | Standby Liquid Control System Solution | |
| 3.4.2 | Required Temperature vs. Concentration for | 123 |
| | Standby Liquid Control System Solution | |
| 3.5.K.1 | | 142 |
| 3.5.K.2 | MCPR Operating Limit vs. Tau, PTA & P8X8R Fuel | 142a |
| 3.5.1.A | DELETED | |
| 3.5.1.B | DELETED | |
| | DELETED | |
| | DELETED | |
| | Kf Factor vs. Core Flow | 142d |
| | MAPLHGR vs. Planar Average Exposure, Unit 3 8X8 PTA Fuel | 142e |
| 3.5.1.G | DELETED | |
| 3.5.1.H | | 142g |
| | P8X8R Fuel (P8DRB284H) | |
| 3.5.1.1 | MAPLHGR vs. Planar Average Exposure, Unit 3 P8X8R Fuel (P8DRB299) | 142h |
| 3.5.1.J | | 142i |
| 3.3.1.0 | P8X8R Fuel (Generic) | |
| 3.5.1.K | | 1425 |
| 3. 3.1.1 | P8X8Q LTA (P8DQB326) | |
| 3.6.1 | Minimum Temperature for Pressure Tests | 164 |
| 3.0.1 | such as required by Section XI | |
| 3.6.2 | Minimum Temperature for Mechanical Heatup or | 164a |
| 3.0.2 | Cooldown following Nuclear Shutdown | |
| 3.6.3 | Minimum Temperature for Core Operation | 164b |
| 3.0.3 | (Criticality) | |
| 3.6.4 | Transition Temperature Shift vs. Fluence | 164c |
| 3.6.5 | Thermal Power Limits of Specifications | 164d |
| 3.0.3 | 3.6.F.3, 3.6.F.4, 3.6.F.5, 3.6.F.6 and 3.6.F.7 | 1040 |
| 3.8.1 | Site Boundary And Effluent Release Points | 216e |
| 6.2-1 | Management Organization Chart | 244 |
| 6 2-2 | Organization for Conduct of Plant Operation | 244 |

Amendment No. 14, 41, 43, 43, 62, 79, -iv-92, 104, 107 (Updated March 18, 1985)

| Table | <u>Title</u> : | Page |
|---------|--|--------|
| 4.2.3 | Minimum Test and Calibration Frequency for CSCS | 81 |
| 4.2.C | Minimum Test and Calibration Frequency for Control Rod Blocks Actuation | 83 |
| 4.2.D | Minimum Test and Calibration Frequency for Radiation Monitoring Systems | 84 |
| 4.2.E | Minimum Test and Calibration Frequency for Drywell Leak Detection | 85 |
| 4.2.F | Minimum Test and Calibration Frequency for Surveillance Instrumentation | 86 |
| 4.2.G | Minimum Test and Calibration Frequency for Recirculation Pump Trip | 88 |
| 3.5.K.2 | Operating Limit MCPR Values for Various Core Exposures | 1338 |
| 3.5.K.3 | Operating Limit MCPR Values for Various Core Exposures | 133e |
| 4.6.1 | In-Service Inspection Program for Peach Bottom Units 2 and 3 | 150 |
| 3.7.1 | Primary Containment Isolation Valves | 179 |
| 3.7.2 | Testable Penetrations With Double O-Ring Seals | 184 |
| 3.7.3 | Testable Penetrations With Testable Bellows | 184 |
| 3.7.4 | Primary Containment Testable Isolation Valves | 185 |
| 4.8.1 | Radioactive Liquid Waste Sampling and Analysis | 2161-1 |
| 4.8.2 | Radioactive Gaseous Waste Sampling and Analysis | 216c-1 |
| 4.8.3.a | Radiological Environmental Monitoring Program | 2168-1 |
| 4.8.3.b | Reporting Levels for Radioactivity Concentrations in Environmental Samples | 216d-5 |

PBAPS

Unit 3

| Table | Title | Page |
|----------|---|-------|
| 4.8.3.c | Maximum Values for Minimum Detectable Levels of Activity | 216d~ |
| 3.11.D.1 | Safety Related Shock Suppressors | 234đ |
| 3.14.C.1 | Fire Detectors | 240 m |
| 3.15 | Seismic Monitoring Instrumentation | 240u |
| 4.15 | Seismic Monitoring Instrumentation Surveillance Requirements | 240v |

TABLE 4.2.D

MINIMUM TEST & CALIBRATION FREQUENCY FOR RADIATION MONITORING SYSTEMS

| | Instrument Functional | | Instrument |
|--|-----------------------|---------------|------------|
| Instrument Channels | Test | Calibration | Check (2) |
| 1) Refuel Area Exhaust Monitors - Upscale | ., (1) | Once/3 months | Once/day |
| 2) Reactor Building Area | (1) | Once/3 months | Once/day |
| Logic System Functional Test (4) (6) | Frequency | | |
| 1) Reactor Building Isolation | Once/6 months | | • |
| 2) Standby Gas Treatment System Actuation | Once/6 months | | |