

NOV 17 1983

Page 1 of 1  
November 1983

ST. LUCIE UNIT 1  
ADMINISTRATIVE PROCEDURE INDEX

1

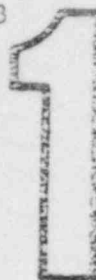
| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                        |
|--------------------|-------------|-----------------------------------------------------|
| 1-0005733          | 1           | Mechanical Start-up Training Program                |
| 1-0010123          | 36          | Admin. Control of Valves, Locks and Switches        |
| 1-0010125          | 54          | Schedule of Periodic Tests, Checks and Calibrations |
| 1-0010130          | 4           | Administrative Control of Backfit Activities        |
| 1-1800023          | 0           | Fire Fighting Strategies                            |

8401060025 831228  
PDR ADOCK 05000335  
F PDR

NOV 17 1983

Page 1 of 2  
November 1983ST. LUCIE UNIT 1  
CHEMISTRY PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                    |
|--------------------|-------------|-------------------------------------------------------------------------------------------------|
| 1-C-09B            | 2           | Tank Sampling                                                                                   |
| 1-C-26             | 1           | Determination of Sodium Hydroxide WT %                                                          |
| 1-C-57             | 5           | Maintaining Refueling Water Tank Limits                                                         |
| 1-C-60             | 4           | Maintaining Safety Injection Tank Limits                                                        |
| 1-C-62             | 8           | Process Monitoring System Operation                                                             |
| 1-C-63             | 6           | Calibration of the Condenser Air Ejection Process Monitor                                       |
| 1-C-64             | 7           | Calibration of the Liquid Waste Discharge Radiation Monitor                                     |
| 1-C-65             | 6           | Calibration of the Gaseous Radwaste Monitor                                                     |
| 1-C-66             | 9           | Tech. Spec. Calibration of the Plant Vent, Fuel Building Exhaust, ECCS, and Steam Dump Monitors |
| 1-C-67             | 7           | Calibration of the Containment Process Monitor                                                  |
| 1-C-68             | 5           | Calibration of the CCW Radiation Monitors                                                       |
| 1-C-69             | 6           | Tech. Spec. Calibration of the S/G Blowdown Monitor Systems                                     |
| 1-C-73a            | 0           | Secondary Chemical Additions System Operation                                                   |
| 1-C-75             | 1           | Operation of the Letdown Process Monitor                                                        |
| 1-C-78             | 4           | Calibration of the Chemistry Department Portable Air Monitor - NMC                              |
| 1-C-80             | 7           | Determination of Hydrogen Gas in Containment                                                    |
| 1-C-82             | 4           | Periodic Maintenance & Calibration of Control Room Cl. Det.                                     |

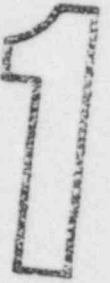


NOV 17 1983

Page 2 of 2  
November 1983

ST. LUCIE UNIT 1  
CHEMISTRY PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                                                   |
|--------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1-C-110            | 1           | Collecting Initial Set of Post Accident Samples and Guidelines for Establishing Post Accident Water and Gas Inventory Control. |
| 1-C-112            | 0           | Operation & Calibration of the Milton Roy Accident Sampling System                                                             |



NOV 17 1983

Page 1 of 1  
November 1983ST. LUCIE UNIT 1  
GENERAL MAINTENANCE PROCEDURE INDEX

1

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                        |
|--------------------|-------------|---------------------------------------------------------------------|
| 1-M-0006           | 9           | Inspection of Hydraulic & Mechanical Seismic Restraints             |
| 1-M-0007           | 4           | Functional Testing of Hydraulic Seismic Restraints (Snubbers)       |
| 1-M-0012           | 3           | CCW Pump Disassembly and Reassembly                                 |
| 1-M-0013           | 3           | High Pressure Safety Injection Pump - Disassembly and Reassembly    |
| 1-M-0014           | 4           | Low Pressure Safety Injection Pump - Disassembly and Reassembly     |
| 1-M-0015           | 9           | Rx Vessel Maintenance - Sequence of Operations                      |
| 1-M-0026           | 1           | Reactor CEM Vent Ball Replacement                                   |
| 1-M-0031           | 1           | Intake Cooling Water Pump Disassembly, Repair and Reassembly        |
| 1-M-0033           | 3           | Pressurizer Heater Replacement                                      |
| 1-M-0601           | 5           | Radioactive Filter Cartridge Replacement                            |
| 1-M-0706           | 2           | Reactor Vessel Internals Inspection Procedure                       |
| * 1-M-0800         | 0           | Hydrostatic Test Following Repair of Safety Injection Line I-SI-228 |
| * 1-M-0919         | 2           | CZA Guide Tube Sleeving for Fuel Assemblies                         |

---

\*DISTRIBUTED TO MASTER FILE ONLY



NOV 17 1983

Page 1 of 1  
November 1983

ST. LUCIE UNIT 1  
HEALTH PHYSICS OPERATING PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                     |
|--------------------|-------------|------------------------------------------------------------------|
| 1-HP-10D           | 0           | Operation of the TASC-12A6 Alpha/Beta Counting System            |
| 1-HP-11            | 3           | Portal Monitor Operation Check                                   |
| 1-HP-13R           | 0           | Operation & Calibration of the Eberline PING 1A                  |
| 1-HP-39            | 5           | Calibration of the Control Room Outside Air Intake Monitors      |
| 1-HP-45            | 3           | Operation & Use of Container Products Corp. Model 100 Compactor  |
| 1-HP-104           | 0           | Use of the Nuclear Bartlett Model 300 Freon Decontamination Unit |

NOV 17 1983

Page 1 of 3  
November 1983ST. LUCIE UNIT 1  
I & C DEPARTMENT PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                                                |
|--------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| 1-0110051          | 6           | CEA Position Indict. Alarm System Calibration                                                                               |
| 1-0110061          | 1           | CEIM Coil Stack Shroud Removal & Replacement                                                                                |
| 1-0120050          | 3           | Reactor Protection System RCS Low Flow Trip Setpoint Determination                                                          |
| 1-0540050          | 2           | Periodic Calibration of Steam Header Pressure Monitors on Hot Shutdown Control Panel (HSCP)                                 |
| 1-0540051          | 2           | Periodic Calibration of Reactor Coolant System Pressure Level and Temperature Monitors on Hot Shutdown Control Panel (HSCP) |
| 1-1120070          | 4           | H1 Range Rad. Monitor Calibration                                                                                           |
| 1-1200053          | 2           | Steam Generator Level Instrumentation Surveillance on Hot Shutdown Control Panel                                            |
| 1-1200054          | 0           | Overpressure Mitigation System Setpoint Verification                                                                        |
| 1-1200061          | 2           | B <sup>10</sup> Prop. Count Accept. Test                                                                                    |
| 1-1210050          | 2           | Wide Range Nuclear Instrumentation Channels Periodic Test                                                                   |
| 1-1210052          | 1           | Wide Range NI Proportional Counter High Voltage Determination                                                               |
| 1-1220050          | 10          | Linear Power Range Safety Channels Quarterly Test                                                                           |
| 1-1220051          | 5           | Linear Power Range Control Channel Quarterly Calibration                                                                    |
| 1-1220052          | 7           | Linear Power Range Safety & Contr. Channel Monthly Cal.                                                                     |
| 1-1240061          | 1           | Installation & Removal of Movable Incore System                                                                             |
| 1-1240063          | 1           | Wide Range Detector Disassembly & Reassembly                                                                                |

ST. LUCIE UNIT 1  
I & C DEPARTMENT PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                |
|--------------------|-------------|-----------------------------------------------------------------------------|
| 1-1400050          | 25          | Reactor Protection System - Monthly Functional Test                         |
| 1-1400052          | 16          | Engineered Safeguards Actuation System Channel Functional Test              |
| 1-1400053          | 3           | RPS-Response Time Testing                                                   |
| 1-1400060          | 1           | Torque Check on Through Bolts for Process Flanges on F.P. D/P Transmitters  |
| 1-1400061          | 1           | Static Pressure Alignment for Fisher Porter Electronic D/P Transmitters     |
| 1-1400063          | 3           | Sequence of Events Recorder Program Loading                                 |
| 1-1400064          | 21          | Installed Plant Instrumentation Calibration                                 |
| 1-1400152          | 5           | Seismic Instr. Calibrations                                                 |
| 1-1400153          | 10          | RPS-ESF Sys. Loop Instr. Cal.                                               |
| 1-1400154          | 4           | Reactor Coolant Leakage Detection System Calibration                        |
| 1-1400155          | 8           | Channel Cal-TMLP-Refueling                                                  |
| 1-1400158          | 5           | Reactor Protection System Local Power Density Refueling Channel Calibration |
| 1-1400159          | 5           | Power Ratio Calculator, Refueling Calibration                               |
| 1-1400160          | 8           | Channel Cal-Delta T Power Quarterly                                         |
| 1-1400162          | 5           | Protection Systems Transmitter Response Time Test                           |
| 1-1400162A         | 3           | RPS-KID Time Response Test Data Collection                                  |
| 1-1400163          | 3           | Reactor Protection System Power Ratio Calculator-Periodic Test              |

NOV 17 1983



NOV 17 1983

Page 3 of 3  
November 1983

ST. LUCIE UNIT 1  
I & C DEPARTMENT PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                            |
|--------------------|-------------|-------------------------------------------------------------------------|
| 1-1400164          | 4           | RPS Refueling Calib.-Trip Bypass Logic Operability                      |
| 1-1400166          | 4           | Engineered Safeguards Actuation System - ATI Alignment Check            |
| 1-1400167          | 3           | ARMS/CIS Response Time Test                                             |
| 1-1400170          | 0           | PORV & SV Position Indicator Channel Calibration                        |
| 1-1630060          | 1           | Ref. & Fuel Transf. Machines Dillion Load System                        |
| 1-2000054          | 1           | Periodic Calibration of Hydrogen Recombiner Temperature Instrumentation |
| 1-3400023          | 1           | Polar Crane Weight Indication Calibration                               |
| 1-3400025          | 1           | JIB Crane Weight Indication Calibration                                 |
| *1-3400028         | 2           | E-Field Calibration and Quarterly Functional Test Procedure             |

\* Safeguards

NOV 17 1983

Page 1 of 1  
November 1983ST. LUCIE UNIT 1  
MAINTENANCE PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                              |
|--------------------|-------------|-------------------------------------------------------------------------------------------|
| 1-0110060          | 12          | Periodic Maintenance of Control Element Assembly Drive Element and Switchgear             |
| 1-0110067          | 2           | Repair of Insulation Jacket of CEDM Cables, RSPT Cables and Incore Instrumentation Cables |
| 1-0210160          | 4           | 1A Charging Pump Maintenance                                                              |
| 1-0210161          | 3           | 1B Charging Pump Maintenance                                                              |
| 1-0210162          | 3           | 1C Charging Pump Maintenance                                                              |
| 1-0920061          | 1           | Testing of Class 1E Underground Cables                                                    |
| 1-0960060          | 11          | 125 V DC System Periodic Maintenance and Tests                                            |
| 1-0960061          | 5           | BOP 125 V DC System Periodic Test and Maintenance                                         |
| 1-0960062          | 7           | Safety Battery 1A Emergency Load Profile Test                                             |
| 1-0960063          | 6           | Safety Battery 1B Emergency Load Profile Test                                             |
| 1-0970060          | 4           | Periodic Maintenance of the Instrument A.C. System                                        |
| 1-0990060          | 4           | Five-Year Calibration Check of Installed Metering Equipment                               |
| 1-1800054          | 2           | Fire Barrier 18 Month Inspection                                                          |
| 1-1800056          | 1           | Surveillance of Diesel Generator Fire Protection System                                   |
| 1-2200062          | 1           | 1A Emergency Diesel Electrical Inspection                                                 |
| 1-2200063          | 1           | 1B Emergency Diesel Electrical Inspection                                                 |

NOV 17 1983

Page 1 of 4  
November 1983ST. LUCIE UNIT 1  
OFF-NORMAL/EMERGENCY OPERATING PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                           |
|--------------------|-------------|--------------------------------------------------------|
| 1-0030130          | 17          | Reactor Trip/Turbine Trip                              |
| 1-0030131          | 21          | Plant Annunciator Summary                              |
| 1-0030132          | 0           | Anticipated Transient Without Scam                     |
| 1-0030140          | 27          | Blackout Operation                                     |
| 1-0030141          | 9           | Control Room Inaccessibility                           |
| 1-0030143          | 2           | Total Loss of AC Power                                 |
| 1-0110030          | 8           | CEA Off-Normal Operation and realignment               |
| 1-0120031          | 8           | Excessive Reactor Coolant System Leakage               |
| 1-0120032          | 4           | Excessive Reactor Coolant System Activity              |
| 1-0120034          | 13          | Reactor Coolant Pump - Off-Normal Operation            |
| 1-0120035          | 8           | Pressurizer Pressure & Level - Off Normal Operation    |
| 1-0120036          | 4           | Pressurizer Relief/Safety Valve - Off-Normal Operation |
| 1-0120040          | 13          | Natural Circulation/Cooldown                           |
| 1-0120041          | 15          | Steam Generator Tube Rupture                           |
| 1-0120042          | 25          | Loss of Coolant Accident                               |
| 1-0120043          | 0           | Inadequate Core Cooling                                |
| 1-0210030          | 9           | Charging and Letdown - Off-Normal Operation            |



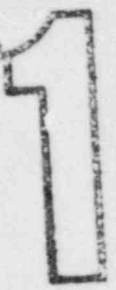
NOV 17 1983  
ST. LUCIE UNIT 1  
OFF-NORMAL/EMERGENCY OPERATING PROCEDURES INDEX

1

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                           |
|--------------------|-------------|------------------------------------------------------------------------|
| 1-0250030          | 3           | Emergency Boration                                                     |
| 1-0250031          | 3           | Boron Concentration Control Off-Normal                                 |
| 1-0310030          | 13          | Component Cooling Water - Off-Normal Operation                         |
| 1-0310031          | 6           | C.C.W. - Excessive Activity                                            |
| 1-0330030          | 3           | Turbine Cooling Water System - Off-Normal Operation                    |
| 1-0350030          | 2           | Fuel Pool Cooling System - Off-Normal Operation                        |
| 1-0360040          | 4           | Operational Requirements for the Emergency Cooling Water Canal         |
| 1-0410030          | 5           | HPSI - Off-Normal Operation                                            |
| 1-0440030          | 5           | SDC/LPSI - Off-Normal Operation                                        |
| 1-0510030          | 2           | Uncontrolled Release of Radioactive Liquids                            |
| 1-0530030          | 4           | Waste Gas System - Off-Normal Operations                               |
| 1-0530031          | 2           | Uncontrolled Release of Radioactive Gas                                |
| 1-0610031          | 3           | Loss of Condenser Vacuum                                               |
| 1-0620030          | 3           | Circulating Water System - High Delta T and High Discharge Temperature |
| 1-0640030          | 3           | ICW System - Off-Normal Operation                                      |
| 1-0700040          | 13          | Loss of Feedwater or Steam Generator Level                             |
| 1-0810040          | 16          | Main Steam Line Break                                                  |

NOV 17 1983

ST. LUCIE UNIT 1  
OFF-NORMAL/EMERGENCY OPERATING PROCEDURES INDEX



| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                  |
|--------------------|-------------|-------------------------------------------------------------------------------|
| 1-0910030          | 4           | Start-Up Transformer - Off-Normal Operation                                   |
| 1-0910031          | 3           | Main Transformer Off-Normal Operation                                         |
| 1-0910032          | 1           | Auxiliary Transformer Off-Normal Operation                                    |
| 1-0950030          | 4           | Boric Acid Heat Tracing System Off-Normal Operation                           |
| 1-0960030          | 12          | D.C. Ground Isolation                                                         |
| 1-1010030          | 5           | Loss of Instrument Air                                                        |
| 1-1110030          | 1           | Off-Normal Operation of the Letdown Monitor                                   |
| 1-1110031          | 1           | Off-Normal Operation of the Condenser Air Ejector Monitor                     |
| 1-1110032          | 1           | Off-Normal Operation of the Liquid Waste Process Monitor                      |
| 1-1110033          | 0           | Off-Normal Operation of the Gaseous Waste Monitor                             |
| 1-1110034          | 2           | Off-Normal Operation of the P-lant Vent Process Monitor                       |
| 1-1110035          | 1           | Off-Normal Operation of the Containment Process Monitor                       |
| 1-1110036          | 2           | Off-Normal Operation of the Component Cooling Water Process Monitors A and B  |
| 1-1110037          | 1           | Off-Normal Operation of the Steam Generator Blowdown Process Monitors A and B |
| 1-1110038          | 2           | Off-Normal Operation of the Fuel Building Effluent Monitor                    |
| 1-1120030          | 0           | Area Radiation Monitoring System (ARMS) Off-Normal Condition Operation        |
| 1-1210030          | 3           | Wide Range Nuclear Instrumentation Channel Malfunction                        |

NOV 17 1983

Page 4 of 4  
November 1983

ST. LUCIE UNIT 1  
OFF-NORMAL/EMERGENCY OPERATING PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                             |
|--------------------|-------------|--------------------------------------------------------------------------|
| 1-1300030          | 2           | Loss of Containment Integrity - Off-Normal Operation                     |
| 1-1300031          | 3           | Airlocks - Off-Normal Operation                                          |
| 1-1560030          | 1           | Primary Water System - Off-Normal Operation                              |
| 1-1600030          | 3           | Accidents Involving New or Spent Fuel                                    |
| 1-1900030          | 3           | Auxiliary Building and Control Building Ventilation Off-Normal Operation |
| 1-2000030          | 2           | Loss of One Reactor Cavity Cooling Fans or Reactor Support Fans          |

NOV 17 1983

Page 1 of 9  
November 1983ST. LUCIE UNIT 1  
OPERATIONAL PROCEDURES INDEX

1

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                                |
|--------------------|-------------|-------------------------------------------------------------------------------------------------------------|
| 1-0010133          | 6           | Reactor Engineering Power Ascension Program                                                                 |
| 1-0030120          | 16          | Prestart Check-Off List                                                                                     |
| 1-0030121          | 28          | Reactor Plant Heatup - Cold to Hot Standby                                                                  |
| 1-0030122          | 22          | Reactor Startur                                                                                             |
| 1-0030123          | 8           | Reactor Operating Gridelines During Steady State and Scheduled Load Changes                                 |
| 1-0030124          | 20          | Turbine Start-Up Zero to Full Load                                                                          |
| 1-0030125          | 11          | Turbine Shutdown Full Load to Zero Load                                                                     |
| 1-0030126          | 9           | Estimated Critical Conditions and Inverse Count Rate Ratio                                                  |
| 1-0030127          | 26          | Reactor Plant Cooldown - Hot Standby to Cold Shutdown                                                       |
| 1-0030128          | 5           | Reactor Shutdown                                                                                            |
| 1-0030150          | 19          | Secondary Plant Operating Checks & Tests                                                                    |
| 1-0030151          | 14          | Remote Shutdown Monitoring Instrumentation Periodic Charnel Check and Selector Switch Position Verification |
| 1-0030221          | 6           | Initial Criticality Following Refueling                                                                     |
| 1-0030222          | 3           | EOL Post Trip Recovery                                                                                      |
| 1-0110020          | 5           | CEIM MG Set Operation                                                                                       |
| 1-0110022          | 7           | Coupling and Uncoupling of CEA Extension Shafts                                                             |
| 1-0110050          | 10          | Control Element Assembly Periodic Exercise                                                                  |

NOV 17 1983

Page 2 of 9  
November 1983ST. LUCIE UNIT 1  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                    |
|--------------------|-------------|---------------------------------------------------------------------------------|
| 1-0110052          | 6           | Zero Power Physics Tests after Reload                                           |
| 1-0110054          | 29          | Periodic Rod Drop Time Test                                                     |
| 1-0110055          | 9           | Surveillance Requirements for Shutdown Margin, Modes 1 & 2, Critical            |
| 1-0110055A         | 3           | Shutdown Margin Suspension During Zero Power Physics Testing                    |
| 1-0110056          | 14          | Surveillance Requirements for Shutdown Margin, Modes 2, 3, 4 & 5, subcritical   |
| 1-0110057          | 12          | Periodic Surveillance of DNB Margin                                             |
| 1-0110059          | 5           | Suspension of Group Height, Insertion and Power Distribution Limit Requirements |
| 1-0120020          | 28          | Filling and Venting the RCS                                                     |
| 1-0120022          | 6           | Leak Test Following RCS Opening                                                 |
| 1-0120023          | 9           | Reactor Coolant Pump Normal Operation                                           |
| 1-0120024          | 0           | Pressurizer Steam Space Venting                                                 |
| 1-0120025          | 4           | Quench Tank Operation                                                           |
| 1-0120027          | 5           | Steam Generator Wet Lay-Up                                                      |
| 1-0120051          | 6           | RCS Flow Determination by Calorimetric Procedure                                |
| 1-0120461          | 1           | S/G Secondary Cold Hydro, <805 PSIG                                             |
| 1-0210020          | 18          | Charging and Letdown-Normal Operation                                           |
| 1-0210021          | 4           | VCT - H <sub>2</sub> & N <sub>2</sub> Concentration Control                     |



ST. LUCIE UNIT 1      NOV 17 1983  
OPERATIONAL PROCEDURES INDEX

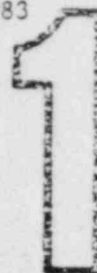
Page 3 of 9  
November 1983

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                               |
|--------------------|-------------|------------------------------------------------------------|
| 1-0220020          | 3           | H <sub>2</sub> System Normal Operation                     |
| 1-0230020          | 7           | N <sub>2</sub> System Normal Operation                     |
| 1-0250020          | 18          | Boron Concentration Control Normal Operation               |
| 1-0250021          | 5           | Boric Acid Batching & Transferring                         |
| 1-0310020          | 14          | CCW - Normal Operation                                     |
| 1-0330020          | 4           | TCW System - Normal Operation                              |
| 1-0350020          | 7           | Fuel Pool Cooling & Purification System Normal Operation   |
| 1-0400050          | 8           | Periodic Integrated Test of the Engineered Safety Features |
| 1-0410020          | 19          | HPSI/LPSI - Normal Operation                               |
| 1-0410021          | 20          | Safety Injection Tank - Normal Operation                   |
| 1-0410050          | 16          | HPSI/LPSI Periodic Test                                    |
| 1-0410052          | 2           | Check Valve Back Leakage                                   |
| 1-0410166          | 3           | LPSI/HPSI/SDC System Flush                                 |
| 1-0420020          | 15          | Containment Spray Initial Valve Alignment                  |
| 1-0420050          | 17          | CS-Periodic Test, Pump & Valve Operability                 |
| 1-0420052          | 2           | NaOH System - Eductor Flow Test                            |
| 1-0510020          | 10          | Oxygenated Waste System                                    |



ST. LUCIE UNIT 1  
OPERATIONAL PROCEDURES INDEX

NOV 17 1983



| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                 |
|--------------------|-------------|--------------------------------------------------------------|
| 1-0510021          | 0           | Waste Concentrator - Operation                               |
| 1-0510022          | 21          | Controlled Liquid Release to the Circulating Water Discharge |
| 1-0520020          | 10          | Radioactive Resin Replacement                                |
| 1-0520021          | 7           | Solid Waste Baler Operation                                  |
| 1-0520022          | 2           | Drumming Station Operation for Drumming of Conc. Bottoms     |
| 1-0530020          | 5           | Waste Gas System Operation                                   |
| 1-0530021          | 26          | Controlled Gaseous Batch Release to Atmosphere               |
| 1-0540020          | 6           | Boron Recovery System Lineup                                 |
| 1-0540021          | 4           | Boric Acid Concentrator Operation                            |
| 1-0610020          | 1           | Operation of the Cathodic Protection System                  |
| 1-0610029          | 3           | Condenser Air Removal System Operations                      |
| 1-0620020          | 8           | Circulating Water System Normal Operation                    |
| 1-0640020          | 12          | ICW System Operation                                         |
| 1-0700020          | 11          | Cond. & Feedwater System Ops. - Normal Operation             |
| 1-0700021          | 8           | Heater Drains & Vent System Alignment                        |
| 1-0700022          | 10          | Aux. Feedwater Normal Ops.                                   |
| 1-0700023          | 1           | Feedwater Heaters-Placing in or Removing From Service        |

ST. LUCIE UNIT 1 NOV 17 1993  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                     |
|--------------------|-------------|--------------------------------------------------|
| 1-0700024          | 3           | Condensate Recovery Sys. Ops.                    |
| 1-0700025          | 1           | Feedwater Recirculation Line Filter Operation    |
| 1-0700050          | 13.14       | Aux. Feedwater Periodic Test                     |
| 1-0810020          | 5           | Main Steam System Initial Valve Alignment        |
| 1-0810050          | 5           | Main Steam Isolation Valve Periodic Test         |
| 1-0810051          | 1           | Steam Dump & Bypass System Functional Test       |
| 1-0820020          | 3           | Auxiliary Steam System - Placing in Service      |
| 1-0830020          | 8           | Blowdown System Operation                        |
| 1-0840020          | 2           | Auxiliary Boiler Operation                       |
| 1-0910021          | 2           | Backfeed Thru Main Transformers                  |
| 1-0910051          | 4           | Main Transformer Periodic Test                   |
| 1-0910052          | 2           | Auxiliary Transformer Periodic Test              |
| 1-0950020          | 4           | Boric Acid Heat Tracing System Op.               |
| 1-0960020          | 9           | 125V DC System Normal Operation                  |
| 1-0960022          | 4           | BOP 125V DC System Normal Op.                    |
| 1-0970020          | 2           | Operation of the 120V Inst. AC System (Class 1E) |
| 1-0970021          | 5           | 120V Vital AC System Operation (Non Class 1E)    |

1

NOV 17 1983

Page 6 of 9  
November 1983ST. LUCIE UNIT 1  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                 |
|--------------------|-------------|--------------------------------------------------------------|
| 1-0970022          | 0           | Operation of the OSPDS Inverters                             |
| 1-1010020          | 4           | Inst. Air System Operation                                   |
| 1-1010021          | 6           | Containment Inst. Air System Normal Operation                |
| 1-1010022          | 2           | Inst. Air System Initial Valve Alignment                     |
| 1-1010023          | 0           | MSIV Instrument Air Check Valve Leak Test                    |
| 1-1020020          | 3           | Station Air System Operation                                 |
| 1-1020022          | 1           | Operation and Calibration of MSA-704 Co Monitor              |
| 1-1110020          | 4           | Process Monitoring System Operation                          |
| 1-1110021          | 0           | High Range Noble Gas Effluent Monitor Sys. Operation         |
| 1-1120020          | 2           | Area Radiation Monitoring System (ARMS) Operation            |
| 1-1120050          | 7           | Area Radiation Monitoring System (ARMS) Periodic Test        |
| 1-1120060          | 4           | Area Radiation Monitoring System Cal. of                     |
| 1-1130021          | 2           | Reactor Internals Vibration Monitoring Sys. Op. Instructions |
| 1-1150020          | 0           | Qualified Safety Parameter Display System Operation          |
| 1-1200051          | 9           | Nuclear & DeltaT Power Calibration                           |
| 1-1210051          | 7           | Wide Range Nuclear Instrumentation Channels Functional Test  |
| 1-1300020          | 3           | Containment Building Access Hatches Operation                |

NOV 17 1983

Page 7 of 9  
November 1983ST. LUCIE UNIT 1  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                           |
|--------------------|-------------|--------------------------------------------------------|
| 1-1300050          | 3 4         | Containment Building Integrated Leak Rate Test         |
| 1-1300051          | 5           | Local Leak Rate Tests                                  |
| 1-1300053          | 2           | Airlock Automatic Leak Tester Funct. Test              |
| 1-1300054          | 3           | RAB Fluid Systems Periodic Leak Test                   |
| 1-1400020          | 3           | Sequence of Events Recorder Operation                  |
| 1-1400057          | 9           | Reactor Regulating System Functional Test              |
| 1-1400059          | 10          | Reactor Protection System - Periodic Logic Matrix Test |
| 1-1560020          | 7           | Primary Water System                                   |
| 1-1600022          | 10          | Unit No. 1 Refueling Operation                         |
| 1-1600023          | 13          | Refueling Sequencing Guidelines                        |
| 1-1600024          | 11          | Filling & Draining the Refueling Canal & Cavity        |
| 1-1600025          | 0           | PEB Vent Sys. Periodic Test                            |
| 1-1610020          | 9           | Receipt & Handling of New Fuel                         |
| 1-1630021          | 2           | New Fuel Elevator Operation                            |
| 1-1630022          | 2 / 0       | Spent Fuel Handling Machine Operation                  |
| 1-1630023          | 6           | Fuel Transfer System Operation                         |
| 1-1630024          | 17          | Refueling Machine Operation                            |

1

NOV 17 1983

ST. LUCIE UNIT 1  
OPERATIONAL PROCEDURES INDEX

Page 8 of 9  
November 1983

1

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                        |
|--------------------|-------------|-----------------------------------------------------|
| 1-1630025          | 2           | CEA Change Fixture Operation                        |
| 1-1630027          | 4           | Dry-Sipping of Irridated Fuel Assemblies            |
| 1-1630028          | 4           | New Fuel Handling Crane Operation                   |
| 1-1710020          | 5           | Primary Sample System Valve Alignment               |
| 1-1720020          | 2           | Gas Analyzer Operation                              |
| 1-1730020          | 2           | Secondary Sample System Valve Alignment             |
| 1-1900020          | 3           | Reactor Aux. and Control Room Vent System Operation |
| 1-1900050          | 5           | Control Room Pressure Periodic Test                 |
| 1-2000020          | 2           | Containment Cooling System Operation                |
| 1-2000021          | 1           | CONTAINMENT RADIOACTIVITY REMOVAL SYSTEM OPERATION  |
| 1-2000023          | 2           | Hydrogen Purge System Operation                     |
| 1-2000024          | 5           | Shield Bldg. Ventilation System Operation           |
| 1-2000053          | 3           | H <sub>2</sub> Recombiner                           |
| 1-2100020          | 2           | Turbine Seal Oil System Operation                   |
| 1-2100021          | 1           | Generator Gas System Operation                      |
| 1-2100022          | 1           | Turbine Oil System Operation                        |
| 1-2100023          | 1           | Gen. Air Leakage Rate Drop Test                     |
| 1-2200020          | 6           | Emergency Diesel Generator Standby Lineup           |

ST. LUCIE UNIT 1  
OPERATIONAL PROCEDURES INDEX

NOV 17 1983

Page 9 of 9  
November 1983

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                   |
|--------------------|-------------|--------------------------------------------------------------------------------|
| 1-2200050          | 25, 26      | Emergency Diesel Periodic Test                                                 |
| 1-3200020          | 14          | Primary System Manual Calorimetric                                             |
| 1-3200050          | 6           | Calculation and Adjustment of Fixed Incore Detector Alarm Setpoints            |
| 1-3200051          | 12          | At Power Determ. of Mod. -Temp. Coeff. & Power Coeff.                          |
| 1-3200053          | 9           | Surveillance Requirement for Azimuthal Power ( $T_q$ )                         |
| 1-3200054          | 7           | Surveillance of Total Radial Peaking Factor ( $F_T^I$ )                        |
| 1-3200058          | 3           | Surveillance Requirements for Total Planar Radial Peaking Factor ( $T_{Fxy}$ ) |
| 1-3200059          | 4           | Forced Xenon Oscillation Test                                                  |



NOV 17 1983

Page 1 of 6  
November 1983

## UNIT 1 PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                             |
|--------------------|-------------|--------------------------------------------------------------------------|
| 0010190            | 4           | Power Ascension Sequencing Document (See Back Shelf - Completed 2 Boxes) |
| 0010192            | 2           | Reactor Coolant System, Pump Flow and Coastdown App. 1                   |
| 0010193            | 0           | Appendix 11 - Turbine Generator Air Flow test                            |
| 0010195            | 0           | Load Cycle Test                                                          |
| 0110081            | 2           | CEM/CEA Measurement - App. 4 (See Back Shelf - Completed 4 Boxes)        |
| 0110081-B          | 0           | CEM/CEA 4/4 Lower Gripper Check                                          |
| 0110082            | 1           | CEA Position Indication and Alarm System Calibration and Functional Test |
| 0110083            | 1           | Reactivity Computer Checkout                                             |
| 0110085            | 3           | CEA Group Calibration                                                    |
| 0110086            | 3           | Simulated CEA Ejection, Hot Zero Power                                   |
| 0110087            | 0           | Simulated CEA Ejection Test                                              |
| 0110088            | 2           | Static CEA Drop Test 50% Power                                           |
| 0110089            | 3           | Dynamic CEA Insertion Test 50% Power                                     |
| 0110090            | 1           | 10% Load Reduction - Turbine Runback                                     |
| 0110092            | 1           | CEM Temperature Measurements                                             |
| 0110096            | 2           | CEA Symmetry Check/Dropped CEA Worth                                     |
| 0110097            | 0           | Zero Power Physics Tests After Reload (See Back Shelf - Completed)       |

NOV 17 1983

Page 2 of 6  
November 1983

## UNIT 1 PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE</u> | <u>REV.</u> | <u>TITLE</u>                                                      |
|------------------|-------------|-------------------------------------------------------------------|
| 0120081          | 1           | Partial Loss of Flow Test                                         |
| 0120086          | 0           | Reactor Coolant Gas Vent System Preoperational Test               |
| 0120122          | 0           | Reactor Coolant System Hydrotesting                               |
| 0120084          | 3           | Total Loss of Flow/Natural Circulation Test                       |
| 0360080          | 1           | Emergency Ultimate Heat Sink Functional Test                      |
| 0420082          | 0           | The Sodium Hydroxide Injection System Preop Test                  |
| 0700070          | 0           | Condensate Polisher Backwash Treatment System Preoperational Test |
| 0700080A         | 1           | Steam Generator Feedwater Hammer Test                             |
| 0700080B         | 2           | Steam Generator Feedwater Hammer Test                             |
| 0700082          | 0           | Heater Vents and Drains Functional Test                           |
| 0700089          | 0           | Condensate Pump IC Initial Run                                    |
| 0700090          | 0           | Sodium Ion Analyzer-System Functional Test                        |
| 0830081          | 0           | Rotating Equipment Start-Up and Initial Run                       |
| 0830082          | 0           | Blowdown Filter Removal Verification                              |
| 0830083          | 0           | Steam Generator Blowdown Demineralization System Functional Test  |
| 0830084          | 0           | Initial Operation of the SGBTF 120/208 V AC Electrical System     |
| 0830085          | 0           | Air Blower Preoperational Test                                    |

NOV 17 1983

UNIT 1 PREOPERATIONAL TEST PROCEDURES INDEX

Page 3 of 6  
November 1983

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                             |
|--------------------|-------------|------------------------------------------------------------------------------------------|
| 0830086            | 0           | Steam Generator Open and Closed Blowdown Cooling System Functional Test                  |
| 0830087            | 0           | Initial Operation of the SGBTF 480V Motor Control Center (MCC) 1B9                       |
| 0830088            | 0           | Initial Operation of the 125 V DC System for Steam Generator Blowdown Treatment Facility |
| 0830089            | 0           | Spent Resin and Sludge Water Pre-Op                                                      |
| 0830090            | 0           | Process Blowdown System Functional Test                                                  |
| 0830091            | 0           | Equipment and Detergent Drain System Test                                                |
| 0830093            | 1           | SGBTIF Heating Ventilation and Air Conditioning (HVAC)                                   |
| 0830094            | 0           | Blowdown Facility Hot Functional Test                                                    |
| 0830095            | 1           | Air Balancing Procedure                                                                  |
| 0830096            | 0           | BWMS Functional Test                                                                     |
| 0830097            | 0           | LERMS Functional Test                                                                    |
| 0830098            | 0           | Fuel Building Effluent Monitor Functional test                                           |
| 0910081            | 1           | 20% Power Trip and Auxiliary to Start-Up Transformer Auto Transfer Test                  |
| 0910085            | 0           | Main Generator Excitation System Initial Operation                                       |
| 1110088            | 0           | Fuel Building Exhaust Monitor Functional Test                                            |
| * 1110090          | 0           | Component Cooling Water Radiation Monitors A & B Functional Test                         |
| 1110090            | 0           | High Range Effluent Monitors Functional Test                                             |

UNIT 1 PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                                                       | NOV 17 1983 |
|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1120081            | 0           | Post LOCA Radiation Monitoring Preoperational Functional Test                                                                      |             |
| 1130080            | 0           | Loose Parts Monitoring System                                                                                                      |             |
| 1130081            | 0           | Internals Vibration Monitoring System Functional Test                                                                              |             |
| 1200081            | 0           | Incore Instrumentation Measurements - Post Core Hot Functional App. 5                                                              |             |
| 1210082            | 2           | Neutron Response of Plant Wide Range Nuclear Channels                                                                              |             |
| 1210083            | 0           | Recalibration of Nuclear and Delta T Power for $T_{Cold}$ at 100% Power                                                            |             |
| 1220080            | 1           | Nuclear Instrumentation Power Range Linear Channels, Initial Alignment and Calibration                                             |             |
| 1240080            | 0           | Incore Instrumentation Preoperational Test                                                                                         |             |
| 1240083            | 0           | Movable Incore Detector Drive System Preoperational Test                                                                           |             |
| 1-1240086          | 0           | Qualified Safety Parameter Display System Functional Test                                                                          |             |
| 1400081            | 3           | DDPS - RPS - ESF RTGB Instrument Correlation - Post Core App. 6                                                                    |             |
| 1400084            | 2           | Automatic Control System Checkout, Steam Generator Level Control, CEA Refueling System Automatic Turbine Control & Load Swing Test |             |
| 1400093            | 2           | Generator Trip with Shutdown Outside Control Room                                                                                  |             |
| 1400094            | 0           | Technical Support Center-Data-Acquisition System Preoperation Functional Test                                                      |             |
| 1-1400096          | 0           | Safety Assessment System Hardware Component Verification                                                                           |             |
| 1610080            | 1           | Preoperational Test Procedure of Tools & Equipment for Fuel Reconstitution                                                         |             |

UNIT 1 PREOPERATIONAL TEST PROCEDURES INDEX

NOV 17 1983

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                      |
|--------------------|-------------|-------------------------------------------------------------------|
| 2000092            | 0           | Shield Building Ventilation System (SEVS) Heaters Functional Test |
| 2000093            | 0           | Containment Hydrogen Samplings A & B Functional Test              |
| 2100082            | 1           | NESS Acceptance Run                                               |
| 1-2100085          | 0           | Preoperational Test of the Turbine Oil Centrifuge                 |
| 2100087            | 0           | Turbine Overspeed Trip Test                                       |
| 2100089            | 2           | Generator Trip                                                    |
| 2100090            | 2           | Turbine Trip Test                                                 |
| 2100091            | 4           | Loss of Off-Site Power                                            |
| * 2200080A         | 1           | Automatic Starting & Sequencing of 1A Diesel Generators           |
| 3200080            | 0           | Power Range and Control Subchannel Calibration                    |
| 3200081            | 3           | Nuclear Design Check Test (See Back Shelf for Completed)          |
| 3200083            | 1           | Minimum Shutdown Margin Verification                              |
| 3200084            | 1           | Measurement of Power Defect and Xenon Worth After Shutdown        |
| 3200086            | 2           | Initial Criticality                                               |
| 3200087            | 0           | Forced Xenon Oscillation Test                                     |
| 3300081            | 1           | Radiation Shielding Evaluation                                    |
| 3400081            | 0           | Chemical and Radio Chemical Analysis 20, 50, 80, 100% Power.      |

UNIT 1 PREOPERATIONAL TEST PROCEDURES INDEX

NOV 17 1983

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                  |
|--------------------|-------------|---------------------------------------------------------------|
| * 3400088          | 0           | Security System FPS Preoperational and Functional Test        |
| * 3400089          | 0           | Security System Microwave Preoperational and Functional Test  |
| * 3400090          | 0           | Security System Fixed CCTV Preoperational and Functional Test |
| * 3400091          | 0           | Security System E-Field Preoperational and Functional Test    |
| * 2200080A         |             | Distributed to Master Only                                    |
| * 1110090          |             | Distributed to Master Only                                    |
| * 3400088          |             | Safeguard                                                     |
| * 3400089          |             | Safeguard                                                     |
| * 3400090          |             | Safeguard                                                     |
| * 3400091          |             | Security System E-Field Preoperational and Functional Test    |



NOV 17 1983

ST. LUCIE PLANT  
ADMINISTRATIVE PROCEDURE INDEX

Applicable to both Units 1 and 2

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                        |
|--------------------|-------------|-----------------------------------------------------------------------------------------------------|
| 0004021            | 6           | Preliminary and Conditional Acceptance of Systems by FPL Nuclear Energy Dept.                       |
| 0005720            | 10          | Licensed Operator Requalification Program                                                           |
| 0005721            | 4           | Hot License Operator Training Program                                                               |
| 0005722            | 4           | Shift Technical Advisor and Technical Staff Training Program                                        |
| 0005723            | 6           | Shift Technical Advisor and Technical Staff Requalification Program                                 |
| 0005724            | 2           | Operating Experience Feedback                                                                       |
| 0005725            | 3           | Duties and Responsibilities of the S.T.A.                                                           |
| 0005727            | 2           | O.C. Department Training Program                                                                    |
| 0005728            | 2           | R. E. Department Training Program                                                                   |
| 0005729            | 2           | Fire Protection Training, Qualification & Requal.                                                   |
| 0005730            | 2           | I & C Department Training Program                                                                   |
| 0005731            | 3           | Electrical Maintenance Training Program                                                             |
| 0005732            | 1           | Outage Management Training Program                                                                  |
| 0005734            | 1           | Emergency First Aid and Personnel Decontamination Team Training, Qualification and Requalification. |
| 0005735            | 1           | PSL Training Dept. Training Program                                                                 |

NOV 17 1983

Page 2 of 3  
November 1983ST. LUCIE PLANT  
ADMINISTRATIVE PROCEDURE INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                |
|--------------------|-------------|-----------------------------------------------------------------------------|
| 0005736            | 2           | Emergency Radiation Team Training, Qualification & Requalification          |
| 0005737            | 1           | Health Physics Department Training Program                                  |
| 0005738            | 2           | Security Department Training Procedure                                      |
| 0005739            | 0           | Administrative Department Training Procedure                                |
| 0005740            | 1           | Non-Licensed Operator Training Qualification and Requalification            |
| 0010119            | 5           | Overtime Limitations for Licensed Operators                                 |
| 0010120            | 21          | Duties and Responsibilities of Operators on Shift                           |
| 0010121            | 1           | Recall of Off-Duty Personnel                                                |
| 0010124            | 10          | Control and Use of Jumpers and Disconnected Leads in Safety Related Systems |
| 0010127            | 9           | Reactor Engineering Schedule of Periodic Tests and Reports                  |
| 0010128            | 2           | Plant Work Performed by Outside Groups                                      |
| 0010132            | 4           | ASME Code Testing of Pumps and Valves                                       |
| 0010134            | 1           | Component Cycles and Transients                                             |
| 0010135            | 1           | Caution Tag Clearance Procedure                                             |
| 0010136            | 3           | Blue Tag Clearance Procedure                                                |
| 0010137            | 1           | Guidelines for Control Room Labeling                                        |

NOV 17 1983

Page 3 of 3  
November 1983ST. LUCIE PLANT  
ADMINISTRATIVE PROCEDURE INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                              |
|--------------------|-------------|---------------------------------------------------------------------------|
| 0010138            | 1           | Plant Maintenance Support Equipment Clearance                             |
| 0010139            | 0           | Fire Protection Schedule of Periodic Tests and Reports                    |
| 0010430            | 7           | Maintenance on Nuclear Safety Related or Seismic Class I - Systems        |
| 0010431            | 4           | Preventive Maint. Program                                                 |
| 0010432            | 23          | Plant Work Orders                                                         |
| 0010433            | 13          | Special Nuclear Material Control Records and Reports                      |
| 0010434            | 14          | Maintenance Dept. Safety Guidelines                                       |
| 0010435            | 2           | Mech. Maint. Department Training Program                                  |
| 0010437            | 13          | Schedule of Mechanical Maintenance Surveillance Requirements              |
| 0010438            | 3           | Control of Heavy Load Lifts                                               |
| 0010439            | 0           | Physical Inventory of Spent and New Fuel Storage Areas -<br>Non-Refueling |
| 0010520            | 11          | Facility Review Group                                                     |
| 0010721            | 5           | NRC Required Non-Routine Reports                                          |
| 0520025            | 1           | Process Control Program                                                   |
| 1800022            | 5           | Fire Protection Program                                                   |
| 3300120            | 4           | St. Lucie Plant ALARA Program                                             |

NOV 17 1983

Page 1 of 4  
November 1983ST. LUCIE PLANT  
CHEMISTRY PROCEDURES INDEX

Applicable to both Units 1 and 2

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                           |
|--------------------|-------------|------------------------------------------------------------------------|
| C-01               | 2/0         | Schedule for Periodic Test                                             |
| C-02               | 7           | Schedule for Test Calibrations                                         |
| C-04               | 2           | Filing & Record Storage                                                |
| C-05               | 6           | Diesel Fuel Oil Inventory, Receiving Shipments and Periodic Sampling   |
| C-06               | 3           | Control of Radioactive Calibration Sources                             |
| C-07               | 6           | Compositing Samples for Weekly, Monthly & Quarterly Composites Liquids |
| C-08               | 5           | Reporting Chemistry Data to Operations                                 |
| C-09a              | 3           | Primary and Secondary Grab Sample                                      |
| C-10               | 5           | Determination of PH (Meter)                                            |
| C-11               | 3           | Determination of Conductivity                                          |
| C-12               | 6           | Determination of Chlorides - Mercuric Nitrate Method (.05 - 10 ppm)    |
| C-13               | 5           | Determination of Fluorides                                             |
| C-14               | 3           | Determination of Suspended Solids                                      |
| C-16a              | 7           | Determination of Hydrazine - (Range 0-80 ppB)                          |
| C-16b              | 6           | Determination of Hydrazine (Range 0-0.5 ppm)                           |
| C-17               | 8           | Determination of Ammonia                                               |
| C-18               | 4           | Determination of Total Hardness                                        |

NOV 17 1983

Page 2 of 4  
November 1983ST. LUCIE PLANT  
CHEMISTRY PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                |
|--------------------|-------------|-----------------------------------------------------------------------------|
| C-18b              | 4           | Determination of Total Hardness (.2-20 ppm)                                 |
| C-19               | 3           | Determination of Dissolved Oxygen - (Chemeric)                              |
| C-21               | 6           | Determination Of Dissolved Silica (.01-2 ppm)                               |
| C-22               | 4           | Determination of Chromates (Colorimetric)                                   |
| C-23               | 4           | Determination of Turbidity (HACH Method)                                    |
| C-25               | 2           | Operation of Mettler Balance                                                |
| C-27               | 2           | Brine & Acid Cleaning Procedure at WTP                                      |
| C-31               | 5           | Operation of the IL-251 and IL-257 Atomic Absorption Units                  |
| C-35               | 4           | Determination of Boron (NaOH normalities 1.0 & .2)                          |
| C-37               | 5           | Determination of Gases (N <sub>2</sub> , O <sub>2</sub> , H <sub>2</sub> )  |
| C-38               | 2           | Calibration of Flow Measuring Devices                                       |
| C-42               | 5           | Chemical Separation of Strontium, Yttrium, Iron and Barium                  |
| C-44               | 4           | Determination of Gross B2 & Tritium w/LS7500 Liquid Scintillation Counter   |
| C-46               | 6           | Determination of Gross Alpha Radioactivity                                  |
| C-47               | 3           | Determination of the Average Beta & Gamma Energy (E) of the Reactor Coolant |
| C-48a              | 3           | Operation of ND6685 Computer Based Counting System                          |
| C-49               | 4           | Maintaining Auxiliary Boiler Chemistry                                      |



NOV 17 1983

Page 3 of 4  
November 1983ST. LUCIE PLANT  
CHEMISTRY PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                      |
|--------------------|-------------|-------------------------------------------------------------------|
| C-50               | 5           | Maintaining Steam Generator Chemistry                             |
| C-51               | 7           | Maintaining Condensate & Feed System Chemistry                    |
| C-52               | 6           | Maintaining Turbine Cooling Water Chemistry and SG B&CW Chemistry |
| C-53               | 3           | Maintaining Diesel Cooling Water Chemistry (Inhibitor)            |
| C-54               | 2           | Maintaining Water Treatment Plant Chemistry                       |
| C-55               | 8           | Maintaining Reactor Coolant System Chemistry                      |
| C-56               | 5           | Maintaining Component Cooling Water Chemistry                     |
| C-58               | 5           | Maintaining Primary Water Storage Tank Limits                     |
| C-59               | 4           | Maintaining Boric Acid Make-Up Tank Limits                        |
| C-61               | 3           | Maintaining Fuel Pool Chemistry                                   |
| C-70               | 14          | Processing Aerated Liquid Wastes                                  |
| C-71               | 5           | Processing Boric Acid                                             |
| C-72               | 19          | Processing Gaseous Wastes                                         |
| C-74               | 3           | Particulate & Iodine Filter Testing                               |
| C-77               | 3           | Correlation of Process Monitor Readings to Specific Activity      |



ST. LUCIE PLANT  
CHEMISTRY PROCEDURES INDEX

NOV 17 1983

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                             |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------|
| C-81a              | 3           | High Activity in Rx. Coolant System                                                                      |
| C-81b              | 5           | High Activity in Component Cooling Water                                                                 |
| C-81c              | 5           | High Activity in a Steam Generator                                                                       |
| C-83               | 4           | Condenser Tube Leak                                                                                      |
| C-84               | 6           | Monitoring Boron Concentration During Refueling                                                          |
| C-90a              | 1           | Calibration of SGBTF Radiat <sup>n</sup> Monitor System Liquid                                           |
| C-90b              | 1           | Calibration of SGBTF Radiation Monitoring Systems - Ventilation                                          |
| C-91               | 5           | Training of Chemistry Department Personnel                                                               |
| C-111              | 1           | Establishing Remote Analysis Laboratory Counting Laboratory and Counting Procedures for Accident Samples |
| C-115              | 0           | Kinematic Viscosity Test, Diesel #2 Fuel Oil                                                             |
| C-116              | 0           | Water and Sediment Test, Diesel #2 Fuel Oil                                                              |
| C-117              | 0           | Specific Gravity (API) Diesel #2 Fuel Oil                                                                |
| C-200              | 3           | Offsite Dose Calculation Manual (ODCM)                                                                   |

NOV 17 1983

Page 1 of 1  
November 1983ST. LUCIE PLANT  
EMERGENCY PLAN IMPLEMENTING PROCEDURE INDEX

Applicable to both Units 1 and 2

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                            |
|--------------------|-------------|-----------------------------------------------------------------------------------------|
| 3100021E           | 14          | Duties & Responsibilities of Emergency Coordinator                                      |
| 3100022E           | 14          | Classification of Emergencies                                                           |
| 3100023E           | 24          | On-Site Emergency Organization and Roster                                               |
| 3100024E           | 11          | Natural Emergencies                                                                     |
| 3100025E           | 8           | Fire Emergencies                                                                        |
| 3100026E           | 9           | Criteria For and Conduct of Evacuations                                                 |
| 3100027E           | 6           | Re-Entry                                                                                |
| 3100029E           | 6           | Duties of an Individual Who Discovers an Emergency                                      |
| 3100032E           | 5           | Onsite Support Centers                                                                  |
| 3100033E           | 7           | Off Site Dose Calculations                                                              |
| 3100034E           | 4           | Maintaining Emergency Preparedness-Radiological E-Plan Training                         |
| 3100035E           | 2           | Off-Site Radiological Monitoring & Dose Assessment                                      |
| 3100050E           | 6           | Maintaining Emergency Preparedness - Emergency Exercises, Drills, Test, and Evaluations |
| _____              | _____       | _____                                                                                   |
| _____              | _____       | _____                                                                                   |
| _____              | _____       | _____                                                                                   |

NOV 17 1983

Page 1 of 2  
November 1983ST. LUCIE PLANT  
ENVIRONMENTAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                  |
|--------------------|-------------|-----------------------------------------------------------------------------------------------|
| EV-01              | 3           | Schedule for Periodic Testing                                                                 |
| 1-EV-02            | 1           | Sampling Methods                                                                              |
| 1-EV-03            | 0           | Environmental Monitoring Calibrations                                                         |
| EV-11              | 3           | Determination of Ph (Meter)                                                                   |
| EV-12              | 2           | Determination of Conductivity                                                                 |
| 1-EV-14A           | 2           | Determination of Amperometric Free Available and Total Residual Chlorine                      |
| EV-14B             | 0           | Determination of Amperometric Free Available and Total Residual Chlorine                      |
| EV-15              | 2           | Determination of Turbidity (Hellige Method)                                                   |
| 1-EV-16a           | 2           | Determination of Dissolved Oxygen (Meter)                                                     |
| 1-EV-16b           | 2           | Dissolved Oxygen (Winkler)                                                                    |
| EV-17              | 0           | Determination of Total Copper and Total Iron Using Atomic Absorption Unit (Direct Aspiration) |
| 1-EV-18            | 1           | Determination of Total Suspended Solids                                                       |
| EV-19              | 1           | Determination of Oil & Grease                                                                 |
| 1-EV-21            | 1           | Determination of Circulating Water Flow                                                       |
| 1-EV-22            | 1           | Operation of Mettler Balance                                                                  |
| 1-EV-23            | 0           | Biochemical O <sub>2</sub> Demand                                                             |
| 1-EV-24            | 0           | Chemical O <sub>2</sub> Demand                                                                |

NOV 17 1983

Page 2 of 2  
November 1983ST. LUCIE PLANT  
ENVIRONMENTAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                         |
|--------------------|-------------|------------------------------------------------------|
| 1-EV-25            | 0           | N <sub>2</sub> Kjeldahl (Total)                      |
| 1-EV-25a           | 0           | Total N <sub>2</sub> (Cadmium Reduction)             |
| 1-EV-26            | 0           | Fecal Coliform Membrane Filter Test                  |
| 1-EV-27            | 0           | Sample Collection                                    |
| 1-EV-28            | 0           | Settleable Solids (Aeration Compartment)             |
| 1-EV-29            | 0           | Total Phosphate Procedure (Persulfate-Ascorbic Acid) |
| 1-EV-30            | 0           | Fish Kill Procedure                                  |

NOV 17 1983

Page 1 of 2  
November 1983ST. LUCIE PLANT  
GENERAL MAINTENANCE PROCEDURE INDEX

Applicable to both Units 1 and 2

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                          |
|--------------------|-------------|-----------------------------------------------------------------------|
| M-0003             | 4           | Lubrication                                                           |
| M-0004             | 6           | Torque Wrench Tester Operation                                        |
| M-0005             | 3           | Freeze Seal Application                                               |
| M-0008             | 7           | Reactor Coolant Pump Seal Removal                                     |
| M-0009             | 7           | RCP Seal Installation                                                 |
| M-0010             | 5           | Reactor Coolant Pump Seal Cartridge Assembly Flow Test                |
| M-0011             | 5           | RCP Seal Rebuilding                                                   |
| M-0016             | 4           | Mechanical Scrubber Thermal Exp.                                      |
| M-0017             | 10          | Pressurizer Safety Valve Maintenance                                  |
| M-0018             | 9           | Mechanical Maintenance Safety Related Preventive Maintenance Program  |
| M-0020             | 1           | Lifting of the Spent Fuel Pool Gate                                   |
| M-0021             | 2           | Lifting PZR Missile Shield                                            |
| M-0022             | 1           | Handling Spent Fuel Casks                                             |
| M-0023             | 2           | Lifting of the ISI Tool                                               |
| M-0027             | 2           | Welding Job Control List                                              |
| M-0028             | 1           | Welding Electrodes & Filler Metal Control (Procedure FORMERLY WP-FMC) |
| M-0029             | 5           | Steam Generator Maintenance                                           |

NOV 17 1983

Page 2 of 4  
November 1983

ST. LUCIE PLANT  
GENERAL MAINTENANCE PROCEDURE INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                     |
|--------------------|-------------|----------------------------------------------------------------------------------|
| M-0030             | 0           | Goulds Pumps, Removal, Repair and Replacement                                    |
| M-0034             | 3           | Pressurizer Manway Removal and Replacement                                       |
| M-0039             | 0           | Threaded Fasteners of Closure Connections on Reactor Cooling Pressure Boundaries |
| M-0042             | 0           | Use of MSTE on Nuclear Safety Related Equipment by Mechanical Maintenance        |
| M-0311             | 3           | Equipment Access Hatch Removal and Replacement                                   |
| M-0400             | 6           | Welding Manual                                                                   |
| M-0705             | 4           | Main Steam Safety Valve Maintenance                                              |



ST. LUCIE PLANT NOV 17 1983  
HEALTH PHYSICS OPERATING PROCEDURES INDEX

Applicable to both Units 1 and 2

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                               |
|--------------------|-------------|--------------------------------------------------------------------------------------------|
| HP-1               | 18          | Radiation Work Permits (Also 3300022)                                                      |
| HP-4               | 16          | Scheduling of Health Physics Activities                                                    |
| HP-6               | 6           | Step-Off Pads                                                                              |
| HP-10A             | 1           | Use and Maintenance of the Eberline MS-3 Mini Scaler                                       |
| HP-10C             | 7           | Calibration and Operation of the ND-100 Multi-Channel Analyzer                             |
| HP-11A             | 0           | Set-up, Adjustment and Calibration of National Nuclear Corporation Gamma-10 Portal Monitor |
| HP-13A             | 6           | Operation of Portable Survey Instruments                                                   |
| HP-13B             | 4           | RM-14, RM-17 and Ludlum 177 Operation Check                                                |
| HP-13C             | 6           | Calibration of Portable Radiation Survey Instruments                                       |
| HP-13D             | 5           | Calibration of Eberline PR-4 Portable Neutron REM Counter                                  |
| HP-13E             | 2           | Use & Maintenance of the Eberline AC-3 Scintillation Alpha Detector                        |
| HP-13F             | 1           | Calibration & Operation of the Eberline Model AMS-2 and AMS-3 Monitoring Operation         |
| HP-13G             | 3           | Calibration & Response Check of the RM-16                                                  |
| HP-13K             | 3           | Calibration of the Eberline E-520 and Ludlum Model 5 Geiger Counter                        |
| HP-13L             | 2           | Calibration & Operation of Eberline RC-2 & RC-2A Portable Ion Chambers                     |
| HP-13M             | 2           | Calibration Check of the Containment High Range Radiation Monitors                         |

NOV 17 1983

Page 2 of 4  
November 1983ST. LUCIE PLANT  
HEALTH PHYSICS OPERATING PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                                            |
|--------------------|-------------|-------------------------------------------------------------------------------------------------------------------------|
| HP-13N             | 1-          | Calibration & Operation of the Eberline RASCAL (PRS-1 and PRS-2)                                                        |
| HP-13P             | 1           | Calibration of Eberline PPM-6 Pulse Rate Meter                                                                          |
| HP-13T             | 0           | Calibration and Operation of the Ludlum Model 2220 Portable Scaler Ratemeter Using a 2" X 2" NaI Scintillation Detector |
| HP-14A             | 2           | Use of the Eberline MF-1 Mini Pulser                                                                                    |
| HP-14B             | 2           | Recertification of Calibrated Rod & Disc Radiation Sources                                                              |
| HP-14C             | 2           | Use & Recertification of J.L. Shephard & Assoc. Mark IV Mod. A Series E TLD Irradiator                                  |
| HP-14D             | 2           | Recertification of Eberline Multiple Source Calibration Model 1000 (MSGC-1000 and MSGC-1000B)                           |
| HP-14E             | 3           | Use of the Eberline Multiple Source Gamma Calibrator-Model 1000 (MSGC-1000) and Model MSGC-1000B                        |
| HP-14F             | 6           | Calibration of Portable Air Samplers                                                                                    |
| HP-14G             | 1           | Recertification of the J. L. Shepherd Model 423 Dosimeter Calibrator (JLS 423 DC)                                       |
| HP-20              | 6           | Radiation & Contamination Surveys                                                                                       |
| HP-22              | 9           | Air Sampling                                                                                                            |
| HP-30              | 11          | Personnel Monitoring (Also 3300024)                                                                                     |
| HP-31              | 5           | Calibration and Operation of the En-Vivo Bioassay System                                                                |
| HP-32              | 6           | Source and Drift Check Pocket Dosimetry                                                                                 |
| HP-33              | 6           | Pocket Dosimeters                                                                                                       |

ST. LUCIE PLANT NOV 17 1983  
HEALTH PHYSICS OPERATING PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                         |
|--------------------|-------------|------------------------------------------------------------------------------------------------------|
| HP-34              | 4           | Estimated Beta Skin Dose From Noble Gases                                                            |
| HP-35              | 3           | Bioassay Program                                                                                     |
| HP-36              | 1           | MPC-HR Estimation from In vivo Bioassay Data                                                         |
| HP-40              | 24          | Shipment and Receipt of Radioactive Material                                                         |
| HP-41              | 4           | Movement of Material & Equipment                                                                     |
| HP-42              | 3           | Storage of Radioactive Waste                                                                         |
| HP-43              | 3           | Leak Testing & Inventory of Radioactive Sealed Sources                                               |
| HP-44              | 5           | Calibration of the NMC Portable Air Monitor NMC Model AM 331F.                                       |
| HP-46              | 1           | Calibration and Use of the Daboco/Nominox Air Purifiers<br>Models PBS-60IMS and PBS-803MS            |
| HP-50              | 4           | Protective Clothing Requirements (See also OP 3300023)                                               |
| HP-55              | 4           | Portable Shielding (Also 3300027)                                                                    |
| HP-56              | 0           | Instructions for Radiography                                                                         |
| HP-60              | 8           | Respiratory Protection Manual (Also 3300021)                                                         |
| HP-61              | 3           | Selection & Use of Respiratory Protection Equipment                                                  |
| HP-62              | 5           | Inspection, Maintenance & O.A. of Respiratory Protection Equipment                                   |
| HP-63              | 2           | Maximum Permissible Concentration Hour Accountability                                                |
| HP-65              | 2           | Cleaning, Disinfection, Decontamination, Inspection & Storage of<br>Respiratory Protection Equipment |

NOV 7 1983

Page 4 of 4  
November 1983ST. LUCIE PLANT  
HEALTH PHYSICS OPERATING PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                       |
|--------------------|-------------|--------------------------------------------------------------------|
| HP-66              | 4           | Respirator Fitting                                                 |
| HP-67              | 3           | Respiratory Protection Training                                    |
| HP-70              | 4           | Personnel Decontamination Procedure (See Also OP-3300026)          |
| HP-71              | 4           | Decontamination of Tools, Equipment and Areas                      |
| HP-72              | 1           | Determination of Dose to Skin From Fixed Skin Contamination        |
| HP-90              | 10          | Emergency Equipment                                                |
| HP-101             | 2           | Identification and Reporting of Radiation Incidents                |
| HP-102             | 1           | Calibration & Operation of Ludlum Dual Channel Analyzer Model 2218 |
| HP-103             | 2           | Operation of the Electro-Sonic Decontamination System              |
| HP-200             | 1           | H.P. Emergency Organization                                        |
| HP-201             | 0           | Emergency Personnel Exposure Control                               |
| HP-202             | 6           | Off Site Environmental Monitoring during Emergencies               |
| HP-203             | 2           | Personnel Access Control During Emergencies                        |
| HP-204             | 1           | In-Plant Radiation & Contamination Surveys During Emergencies      |
| HP-205             | 1           | Emergency In-Plant Air Sampling                                    |
| HP-206             | 1           | Analysis of Emergency Air Samples                                  |
| HP-207             | 1           | Monitoring Evacuated Personnel During Emergencies                  |
| HP-208             | 1           | Emergency Personnel Decontamination During Emergencies             |

NOV 17 1983

Page 1 of 2  
November 1983ST. LUCIE PLANT  
I & C DEPARTMENT PROCEDURES INDEX

Applicable to both Units 1 and 2

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                |
|--------------------|-------------|-------------------------------------------------------------|
| 0110067            | 0           | Repair of Insulation Jacket of CEIM and RSPT Cables         |
| 1200052            | 3           | Incore Instrumentation Channel Calibration                  |
| 1200060            | 3           | Fission Chamber Accept. Test                                |
| 1200062            | 3           | Uncomp. Ion Chamb. Accept. Test                             |
| 1240060            | 6           | Installation, Removal and Testing of Fixed Incore Detectors |
| 1240062            | 2           | Movable Incore Fission Chamber Accept. Test                 |
| 1240064            | 2           | Excore Neutron Detectors Removal and Replacement            |
| 1400055            | 8           | Env. Data Acquisition Semi-Annual Cal.                      |
| 1400062            | 3           | RRS System Calibration Procedure                            |
| 1400063            | 6           | Maint. and Calibration of Plant Inst. & Control Equip.      |
| 1400067            | 20          | Calibration of I & C Dept. M & TE                           |
| 1400151            | 6           | Seismic Instr. Functional Check                             |
| 1400156            | 8           | Channel Cal-Variable High Power-Quarterly                   |
| 1400165            | 6           | Reactivity Computer Funct. Test                             |
| 1400168            | 1           | RPS Core Protection Calculator Power Supply Check           |
| 1400169            | 1           | PORV & Safety Valve Position Indicator Channel Check        |
| 1800051            | 8           | Semi-Annual Testing of the Fire Detectors                   |



NOV 17 1983

Page 2 of 2  
November 1983

ST. LUCIE PLANT  
I & C DEPARTMENT PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                       |
|--------------------|-------------|--------------------------------------------------------------------|
| 1800055            | 0           | Smoke Detector Cleaning and Inspection                             |
| * 3400020          | 5           | Security System FPS Quarterly Functional Test (Safeguard Material) |
| * 3400021          | 6           | Quarterly Testing of Alarmed Doors and Gates (Safeguard Material)  |
| 3400024            | 0           | Weekly Maintenance of Security Entrance Scan                       |
| * 3400026          | 0           | Security System Fixed CCTV Semi-Annual Functional Test             |
| * 3400027          | 2           | Security System Microwave Quarterly Functional Test                |

\* Safeguards



LETTER OF INSTRUCTION PROCEDURE INDEX  
For Unit 1, Unit 2 and Plant Procedures

| <u>PROCEDURE #</u>   | <u>REV.</u> | <u>TITLE</u>                                                                                                     |
|----------------------|-------------|------------------------------------------------------------------------------------------------------------------|
| CHEMISTRY DEPARTMENT |             |                                                                                                                  |
| 2-CC-01              | 0           | Flushing and Hydrostatic Test Water for Stainless Steel Reactor and Auxiliary Systems                            |
| 2-CC-02              | 0           | Chemistry During Systems Flushing, Hydrostatic Testing and Wet Layup                                             |
| 2-CC-03              | 0           | Systems Layup During Construction Phase                                                                          |
| 2-CC-04              | 1           | Determination of Minimum Recirculation Times for Representative Sampling                                         |
| 2-CC-05              | 0           | Initiation/Maintenance of Layup in Feed, Condensate, and Heater Drain System During Pre-Startup Phase            |
| 2-CC-06              | 0           | Initiation/Maintenance of Water Chemistry in Steam Generators During Hydrostatic Testing and Subsequent Layup    |
| 2-CC-07              | 0           | Chemistry Control of Stainless Steel Rx Auxiliary System During Fill, Flush, and Layup Prior to Normal Operation |
| 2-CC-08              | 0           | Initiation/Maintenance of Chemistry Control During RCS Hydrostatic Testing                                       |
| CC-10                | 0           | CST Venting to Atmosphere                                                                                        |

NOV 17 1983

LETTER OF INSTRUCTION PROCEDURE INDEX

| <u>PROCEDURE #</u>                    | <u>REV.</u> | <u>TITLE</u>                                                                   |
|---------------------------------------|-------------|--------------------------------------------------------------------------------|
| ELECTRICAL DEPARTMENT                 |             |                                                                                |
| E-1                                   | 0           | Identification of Plant Electrical Equipment by Breaker Number                 |
| E-2                                   | 0           | Use of General Electrical Installation Notes                                   |
| E-3                                   | 0           | Installation and Repair of Electric Heat Tracing                               |
| E-4                                   | 0           | Use of Cable Termination and Splicing                                          |
| BACKFIT ELECTRICAL STARTUP DEPARTMENT |             |                                                                                |
| BF/ESU-1                              | 0           | Electrical Test Equipment Calibration Procedure for Backfit Testing Operations |
| ESU DEPARTMENT                        |             |                                                                                |
| ESU-2                                 | 0           | Electrical Startup Test Phase Documentation                                    |
| ESU-11                                | 0           | Departmental Training - Electrical Startup                                     |
| I & C DEPARTMENT                      |             |                                                                                |
| C-4                                   | 1           | Instructions for Completion of "Instrument Record" Form #2220                  |
| ICSU DEPARTMENT                       |             |                                                                                |
| ICSU-1                                | 2           | Training Program for the Startup Department I & C Section                      |

LETTER OF INSTRUCTION PROCEDURE INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                             |
|--------------------|-------------|------------------------------------------------------------------------------------------|
|                    |             | NOV 17 1983                                                                              |
| HP DEPARTMENT      |             |                                                                                          |
| 2-HP-3             | 0           | Radiological Controls Associated with Receipt and Storage of New Reactor Fuel for Unit 2 |
| HP-4               | 0           | Use of LNSI 3-55 Liner Shield for Thermal Shield Transfer                                |

KNH

|                    |   |                        |
|--------------------|---|------------------------|
| KNH-2<br>CANCELLED | 0 | Unit #1 Access Control |
|--------------------|---|------------------------|

OPERATIONS DEPARTMENT

|      |    |                                                      |
|------|----|------------------------------------------------------|
| O-1  | 2  | Caution Tags                                         |
| O-2  | 4  | Blue Tag Clearance Procedure                         |
| O-3  | 27 | Personnel Authorized to Hold Clearances              |
| O-4  | 0  | Request for Plant Clearances from Systems Operations |
| O-6  | 2  | Jurisdiction of Systems During Startup               |
| O-8  | 0  | Electrical Firefighting Policy for St. Lucie Plant   |
| O-10 | 0  | Preparation for Shipment of Clean New Fuel Bundles   |
| O-11 | 1  | Tavg Coastdown at End of Life                        |
| O-12 | 0  | Guidelines for Unit Shutdown and Cooldown            |

LETTER OF INSTRUCTION PROCEDURE INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u> |
|--------------------|-------------|--------------|
|--------------------|-------------|--------------|

NOV 17 1983

MSU DEPARTMENT

|         |   |                                                 |
|---------|---|-------------------------------------------------|
| MSU-1   | 0 | Mechanical Startup Training Program             |
| 2-MSU-2 | 0 | Mechanical Startup Measuring and Test Equipment |
| MSU-4   | 0 | Piping Vibration Visual Training                |

STARTUP DEPARTMENT

|         |   |                                                                                                       |
|---------|---|-------------------------------------------------------------------------------------------------------|
| SU/PS-1 | 0 | Startup Planning and Scheduling Training Program                                                      |
| SU-10   | 0 | Startup Backfit Program                                                                               |
| 2-SU-12 | 1 | Preoperational Test Review Group                                                                      |
| SU-14   | 1 | DOC Management for Startup Department                                                                 |
| SU-15   | 0 | Utilization of Reactor Operating and Testing Experience in the Development of Startup Test Procedures |
| SU-16   | 0 | Startup Engineer Duties and Responsibilities                                                          |
| SU-17   | 0 | Administrative Guidelines                                                                             |
| SU-18   | 1 | Documenting Deficiencies and Corrective Action During Startup                                         |

TECH STAFF

|      |   |                                                                             |
|------|---|-----------------------------------------------------------------------------|
| T-14 | 0 | Activation of the Technical Support Center (TSC) During Construction Period |
| T15  | 0 | Moisture Separator/Reheater 2C Performance Test                             |

ST. LUCIE PLANT  
MAINTENANCE PROCEDURES INDEX NOV 17 1983

Applicable to both Units 1 and 2

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                       |
|--------------------|-------------|----------------------------------------------------------------------------------------------------|
| 0610069            | 0           | Procedure for Taking Reference Cell Readings for Cathodic Protection                               |
| 0920062            | 0           | Grounding or Testing of High Voltage (4.16 or 6.9KV) Motors                                        |
| 0920063            | 0           | Safety Requirement for Grounding of High Voltage (4.16 or 6.9KV) Switchgear Busses for Maintenance |
| 0920064            | 1           | Cable and Bus Hi-Pot Instructions                                                                  |
| 0940061            | 0           | Maintenance of Low Voltage Breakers and Overload Devices                                           |
| 0940062            | 1           | The Preventive Maintenance & Overhaul of Motors                                                    |
| 0940063            | 0           | Motor Operated Valve Setup Procedure                                                               |
| 0950060            | 3           | Boric Acid Heat Tracing System Periodic Test                                                       |
| 0950061            | 0           | Installation of Service Air Flexible Conduit                                                       |
| 0959060            | 3           | General Repair Requirements for Electric Motors and Generators                                     |
| 0959063            | 3           | Deluge System Periodic Testing                                                                     |
| 2000051            | 1           | Shield Building Ventilation System (SBVS) 18 Month Heater Performance Test                         |
| 2000056            | 0           | 18 Month Maintenance and Electrical Department Testing of Hydrogen Recombiners                     |
| 2100064            | 0           | Generator Grounding and Testing                                                                    |
| 3400022            | 0           | Polar Crane Inspection                                                                             |



NOV 17 1983

Page 1 of 1  
November 1983

ST. LUCIE PLANT  
OFF-NORMAL/EMERGENCY OPERATING PROCEDURES INDEX

Applicable to Units 1 and 2

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                      |
|--------------------|-------------|---------------------------------------------------|
| 0120038            | 1           | Out of Limit Steam Generator Chemistry Parameters |
| 0610030            | 6           | Condenser Tube Leak                               |
| 1220030            | 4           | Linear Power Range Channel Malfunction            |
| 2100030            | 1           | Oil Spill Emergencies                             |
| 3000030            | 0           | Severe Weather Preparations                       |



NOV • 7 1983

Page 1 of 1  
November 1983

OFF-SITE EMERGENCY ORGANIZATION PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>DATED</u> | <u>TITLE</u>                                                                 |
|--------------------|-------------|--------------|------------------------------------------------------------------------------|
| 1101               | 1           | 12/30/82     | Duties of the Emergency Control Officer, Off-Site Emergency Organization     |
| 1102               | 0           | 12/30/82     | Duties of the Recovery Manager, Off-Site Emergency Organization              |
| 1103               | 0           | 12/30/82     | Duties of the Emergency Information Manager, Off-Site Emergency Organization |
| 1104               | 0           | 12/30/82     | Duties of the Emergency Security Manager, Off-Site Emergency Organization    |
| 1105               | 0           | 12/30/82     | Duties of the Emergency Technical Manager, Off-Site Emergency Organization   |
| 1106               | 0           | 12/30/82     | Duties of the Governmental Affairs Manager, Off-Site Emergency Organization  |
| 1107               | 0           | 12/30/82     | Duties and Responsibilities of the Emergency Plan Administrator              |
| 1201               | 0           | 12/30/82     | Activation and Use of the Emergency News Center (St. Lucie)                  |
| 1202               | 0           | 01/03/83     | Activation and Use of the Interim Emergency Operations Facility (St. Lucie)  |
| 1301               | 2           | 08/01/83     | Emergency Roster - Off-Site Emergency Organization                           |
| _____              | _____       | _____        | _____                                                                        |
| _____              | _____       | _____        | _____                                                                        |
| _____              | _____       | _____        | _____                                                                        |
| _____              | _____       | _____        | _____                                                                        |

NOV 17 1983

Page 1 of 3  
November 1983

ST. LUCIE PLANT  
OPERATIONAL PROCEDURES INDEX

Applicable to both Units 1 and 2

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                   |
|--------------------|-------------|------------------------------------------------|
| 0010122            | 19          | In-Plant Equipment Clearance Orders            |
| 0010126            | 3           | Containment and Shield Building Access Control |
| 0010129            | 5           | Equipment Out-Of-Service - Class I             |
| 0030119            | 0           | Post Trip Review                               |
| 0030129            | 5           | Reactor Trip Records                           |
| 0120021            | 11          | Draining the Reactor Coolant System            |
| 0120026            | 10          | Reactivity - Deviation From Design             |
| 0230021            | 2           | Liquid Nitrogen Dewar Operation                |
| 0360050            | 5           | Emergency Cooling Water Canal -Periodic Test   |
| 0420051            | 3           | CS - Spray Nozzle Air Flow Test                |
| 0520023            | 0           | Dewatering Radioactive Bead Resins             |
| 0610021            | 3           | Main Condenser Hydrostatic Test                |
| 0630022            | 0           | Hypochlorite System Operation                  |
| 0910020            | 4           | Removal & Restoration of SU Transformer        |
| 0910050            | 2           | Startup Transformer Periodic Test              |
| 1120051            | 0           | Periodic Calibration & Test SGBIF ARMS         |

NOV 17 1983

Page 2 of 3  
November 1983

ST. LUCIE PLANT  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                             |
|--------------------|-------------|--------------------------------------------------------------------------|
| 1200022            | 6           | Periodic Surveillance of Incore Detection System                         |
| 1200023            | 6           | Calculation of Internal Axial Shape Index (ASI <sub>I</sub> )            |
| 1300052            | 14          | Airlock Periodic Leak Testing                                            |
| 1400051            | 17          | Meteorological Data System Daily Channel Check                           |
| 1400054            | 7           | Reactor Protection System - Loss of Turbine-Hydraulic Fluid Pressure Low |
| 1400058            | 8           | Seismic Instrumentation Periodic Check                                   |
| 1530020            | 6           | Domestic Water System - Normal Operation                                 |
| 1540020            | 5           | Water Plant Startup & Shutdown                                           |
| 1540021            | 5           | Water Plant Regeneration                                                 |
| 1540060            | 1           | Water Plant Resin Replacement                                            |
| 1550020            | 3           | Vacuum Degasifier Operation                                              |
| 1600060            | 1           | Source Handling and Installation                                         |
| 1800020            | 6           | Fire Protection System Operation                                         |
| 1800021            | 5           | Fire Detection System Operating Procedure                                |
| 1800050            | 13          | Fire System Periodic Test                                                |
| 1800053            | 9           | Fire Protection System Annual and 18 Month Tests                         |

Added to 2000021 - 0 - ~~Containment Radiocesium Removal System Operation~~  
UNIT I

NOV 17 1983

Page 3 of 3  
November 1983

ST. LUCIE PLANT  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                              |
|--------------------|-------------|-------------------------------------------|
| 3200021            | 5           | Adial Shape Index Control                 |
| 3200052            | 9           | Monitoring Linear Heat Rate               |
| 3200057            | 4           | Power Distribution Comparison with Design |
| 3300020            | 3           | FPL Health Physics Manual                 |

NOV 17 1983

Page 1 of 1  
November 1983

ST. LUCIE PLANT  
PREOPERATIONAL PROCEDURES INDEX

Applicable to Both Units 1 and 2

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                         |
|--------------------|-------------|--------------------------------------|
| 0700071            | 0           | CONDENSATE POLISHER FUNCTIONAL TEST. |
| 0700099            | 1           | Condensate Polisher Initial Test     |



NOV 17 1983

Page 1 of 2  
November 1983QUALITY INSTRUCTIONS INDEX  
For Unit 1, Unit 2 and Plant Procedures

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                             |
|--------------------|-------------|----------------------------------------------------------|
| OI 1-PR/PSL-1      | 9           | Plant Organization                                       |
| OI 1-PR/PSL-2      | 6           | Operations Organization                                  |
| OI 1-PR/PSL-3      | 6           | Instructions for Maintenance Organization                |
| 2-OI 1-PR/PSL-4    | 4           | Startup Organization Unit 2                              |
| OI 1-PR/PSL-5      | 1           | Technical Staff Organization                             |
| OI 1-PR/PSL-7      | 4           | Quality Control Organization                             |
| OI 1-PR/PSL-8      | 0           | Administrative Organization                              |
| OI 2-PR/PSL-1      | 5           | Quality Assurance program                                |
| 1-OI 2-PR/PSL-2    | 10          | Indoctrination and Training of St. Lucie Plant Personnel |
| OI 3-PR/PSL-1      | 10          | Design Control (After Fuel Loading)                      |
| OI 4-PR/PSL-1      | 4           | Procurement Document Control                             |
| OI 4-PR/PSL-2      | 1           | Procurement Document Review                              |
| OI 5-PR/PSL-1      | 24          | Preparation, Revision, Review/Approval of Procedures     |
| OI 5-PR/PSL-2      | 0           | Writers Guide for Emergency Operating Procedures         |
| OI 6-PR/PSL-1      | 6           | Document Control                                         |
| OI 7-PR/PSL-1      | 6           | Control of Purchased Material, Equipment and Services    |



NOV 17 1983

Page 2 of 3  
November 1983

## QUALITY INSTRUCTIONS INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                |
|--------------------|-------------|-----------------------------------------------------------------------------|
| OI 7-PR/PSL-2      | 10          | Receiving Inspection                                                        |
| OI 8-PR/PSL-1      | 5           | Identification Control of Materials, Parts and Components                   |
| OI 9-PR/PSL-1      | 2           | Special Process Control                                                     |
| 1-OI 9-PR/PSL-2    | 9           | Control of Non-Destructive Examination                                      |
| OI 9-PR/PSL-3      | 2           | Welding Control                                                             |
| OI 10-PR/PSL-1     | 7           | Quality Control Inspection                                                  |
| OI 10-PR/PSL-3     | 2           | Inspection Instruction for Class 1, 2 and 3 Piping and Components           |
| OI 10-PR/PSL-4     | 3           | Plant Inservice Inspection                                                  |
| OI 10-PR/PSL-5     | 3           | Technical Specification Surveillance Inspection of Reactor Building         |
| OI 11-PR/PSL-1     | 6           | Test Control                                                                |
| OI 11-PR/PSL-2     | 9           | Mechanical Test Control                                                     |
| OI 11-PR/PSL-3     | 8           | Electrical Test Control                                                     |
| OI 11-PR/PSL-4     | 10          | Instrumentation & Control Test Control                                      |
| OI 11-PR/PSL-5     | 2           | Mechanical Start-up Test Control                                            |
| OI 12-PR/PSL-1     | 10          | Calibration of Measuring and Testing Equipment                              |
| OI 12-PR/PSL-2     | 7           | Calibration of Instrument & Control Department Measuring and Test Equipment |

NOV 17 1983

Page 3 of 3  
November 1983

# QUALITY INSTRUCTIONS INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                             |
|--------------------|-------------|--------------------------------------------------------------------------|
| OI 12-PR/PSL-3     | 8           | Electrical Measuring and Test Equipment                                  |
| OI 12-PR/PSL-4     | 7           | Instructions for Mechanical Maintenance Measuring and Test Equipment     |
| OI 12-PR/PSL-5     | 2           | Chemistry Measuring and Testing Equipment                                |
| OI 12-PR/PSL-6     | 7           | Health Physics Measuring and Test Equipment                              |
| OI 12-PR/PSL-7     | 3           | Calibration of Installed Plant Instrumentation and Control Equipment     |
| OI 13-PR/PSL-1     | 7           | Handling, Storage and Shipping                                           |
| OI 13-PR/PSL-2     | 5           | Cleanliness Control Methods                                              |
| OI 14-PR/PSL-1     | 8           | Inspection, Test and Operating Status                                    |
| OI 15-PR/PSL-1     | 4           | Nonconforming Materials, Parts & Components                              |
| OI 15-PR/PSL-2     | 10          | Discrepancy Correction and Modifications During Construction and Testing |
| OI 16-PR/PSL-1     | 13          | Corrective Action                                                        |
| OI 17-PR/PSL-1     | 5           | Quality Assurance Records                                                |
| OI 18-PR/PSL-2     | 9           | Quality Control Surveillances                                            |
| OI 18-PR/PSL-3     | 3           | Quality Control Monitoring                                               |

|       |     |       |
|-------|-----|-------|
| _____ | --- | _____ |
| _____ | --- | _____ |

NOV 17 1983

Page 1 of 1  
November 1983

SECURITY PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                        |
|--------------------|-------------|-----------------------------------------------------|
| * 0006022          | 9           | Security Force                                      |
| * 0006023          | 12          | Personnel & Material Control                        |
| 0006024            | 4           | Employee Security Orientation Program               |
| * 0006025          | 7           | Lock & Key System                                   |
| * 0006027          | 14          | Safeguards Contingency Plan Implementing Procedures |
| 0006122            | 4           | Site Evacuation - Vehicle Traffic Control           |
| 0006123            | 5           | Owner Controlled Area Evacuation                    |
| _____              | ---         | _____                                               |
| _____              | ---         | _____                                               |
| _____              | ---         | _____                                               |
| _____              | ---         | _____                                               |
| _____              | ---         | _____                                               |

\* Need to be stamped - SAFEGUARDS - Also send out in double envelopes

NOV 17 1983

2

[illegible]

NOV 17 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
CHEMISTRY PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                                 |
|--------------------|-------------|--------------------------------------------------------------------------------------------------------------|
| * 2-1730020        | 1           | Secondary Sample System Valve Alignment (See OPS)*                                                           |
| 2-C-09B            | 1           | Tank Sampling                                                                                                |
| 2-C-32             | 0           | Operation of the IL643 Auto Cal Flame Photometer                                                             |
| 2-C-57             | 1           | Maintaining Refueling Water Tank Limits                                                                      |
| 2-C-60             | 1           | Maintaining Safety Injection Tank Limits                                                                     |
| 2-C-62A            | 1           | General Atomic Particulate, Iodine and Gas Process Monitor Operation                                         |
| 2-C-62B            | 1           | General Atomic Single Stage Gaseous (S.S.G.) Process Monitor Operation                                       |
| 2-C-62C            | 1           | General Atomic Single Stage Liquid (SSL) Process Monitor Operation                                           |
| 2-C-62D            | 1           | General Atomic Wide Range Gas (WRGM) Process Monitor Operation                                               |
| 2-C-62F            | 0           | Remote Operation of the General Atomic Process Monitor System                                                |
| 2-C-66A            | 1           | Technical Specification Calibration of the General Atomic Gas, Liquid and<br>and Steam Line Process Monitors |
| 2-C-66B            | 1           | Calibration of the General Atomic Gas, Liquid and Steam Line Process<br>Monitors (Non Tech. Specs)           |



NOV 17 1983  
Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
CHEMISTRY PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                             |
|--------------------|-------------|----------------------------------------------------------|
| 2-C-73A            | 0           | Secondary Chemical Additions System Operation            |
| 2-C-80             | 1           | Determination of Hydrogen Gas in Containment             |
| 2-C-113            | 1           | Operation of the CE Post Accident Sampling System (PASS) |
| _____              | _____       | _____                                                    |
| _____              | _____       | _____                                                    |
| _____              | _____       | _____                                                    |



NOV 17 1983  
Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
GENERAL MAINTENANCE PROCEDURE INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                     |
|--------------------|-------------|------------------------------------------------------------------|
| 2-M-0019           | 1           | St. Lucie Unit 2 Rotating Equipment Initial Alignment Guidelines |
| 2-M-0024           | 1           | Component Cooling Water Pump - Disassembly and Reassembly        |
| 2-M-0025           | 0           | HPSI Pump Disassembly & Reassembly                               |
| 2-M-0032           | 0           | Pressurizer Heater Replacement                                   |
| 2-M-0035           | 1           | Intake Cooling Water Pump Disassembly, Repair and Reassembly     |
| 2-M-0036           | 1           | Reactor Vessel Maintenance - Sequence of Operations              |
| 2-M-0037           | 1           | Power Operated Relief Valve Maintenance                          |
| 2-M-0038           | 0           | Radioactive Filter Cartridge Replacement                         |
| 2-M-0041           | 1           | Charging Pump Maintenance                                        |
| _____              | ---         | _____                                                            |
| _____              | ---         | _____                                                            |
| _____              | ---         | _____                                                            |

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
I & C PROCEDURES INDEX

NOV 17 1983

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                                     |
|--------------------|-------------|------------------------------------------------------------------------------------------------------------------|
| 2-0110051          | 0           | Analog Display System Calibration                                                                                |
| 2-0120050          | 0           | Reactor Protection System RCS Low Flow Trip Setpoint Determination                                               |
| 2-0210050          | 0           | Boronometer Channel Calibration                                                                                  |
| 2-0540050          | 0           | Periodic Calibration of Steam Header Pressure Monitors or HSCP                                                   |
| 2-0540051          | 0           | Remote Plant Instrumentation Calibration                                                                         |
| 2-0700051          | 1           | Auxiliary Feedwater Actuation System - Monthly Functional Test                                                   |
| 2-1130050          | 0           | Loose Parts Monitoring System Functional Test                                                                    |
| 2-1200054          | 1           | Low Temperature Overpressure Protection Setpoint Verification                                                    |
| 2-1200055          | 0           | Functional Calibration of the Automatic Isolation of the Shutdown Cooling System from the Reactor Coolant System |
| 2-1200061          | 0           | BF <sub>3</sub> Proportional Counter Acceptance Test                                                             |
| 2-1210052          | 0           | BF <sub>3</sub> Plateau Curve Determination                                                                      |
| 2-1220050          | 2           | Safety Channel Quarterly Calibration                                                                             |
| 2-1220051          | 0           | Startup and Control Channel Quarterly Calibration                                                                |
| 2-1220052          | 2           | Linear Power Range Safety and Control Channel Monthly Calibration                                                |
| 2-1240061          | 0           | Installation and Removal of the Movable Incore System                                                            |

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
I & C PROCEDURES INDEX

NOV 17 1983

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                              |
|--------------------|-------------|-------------------------------------------------------------------------------------------|
| 2-1400050          | 3           | Reactor Protection System - Monthly Functional Test                                       |
| 2-1400052          | 3           | Engineered Safeguards Actuation System Channel Functional Test                            |
| 2-1400063          | 1           | Sequence of Events Recorder Program Loading                                               |
| 2-1400064          | 0           | Installed Plant Instrumentation Calibration                                               |
| 2-1400153          | 0           | Reactor Protection System - Engineered Safeguards System Loop Instrumentation Calibration |
| 2-1400154          | 0           | Reactor Coolant Leakage Detection System Calibration                                      |
| 2-1400155          | 1           | Channel Calibration - Thermal Margin/Low Pressure Refueling                               |
| 2-1400158          | 1           | Reactor Protection System Local Power Density Refueling Channel Calibration               |
| 2-1400159          | 0.          | Power Ratio Calculator, Refueling Calibration                                             |
| 2-1400160          | 0           | Channel Calibration - Delta T Power - Quarterly                                           |
| 2-1400162          | 0           | RPS and Safeguard Response Time Test                                                      |
| 2-1400162A         | 0           | Reactor Protection System - RTD Time Response Test Data Collection                        |
| 2-1400163          | 0           | Reactor Protection System - Power Ratio Periodic Test                                     |
| 2-1400164          | 2           | RPS-Refueling Calibration - Trip Bypass Logic Operability                                 |
| 2-1400166          | 1           | Engineered Safeguards Actuation System - ATI Alignment Check                              |

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
I & C PROCEDURES INDEX

NOV 17 1983

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                            |
|--------------------|-------------|-------------------------------------------------------------------------|
| 2-1400170          | 0           | PORV and Safety Valve Position Indicator Channel Calibration            |
| 2-1400171          | 0           | Reactor Cavity and Containment Level System Calibration                 |
| 2-1400172          | 1           | Safety Injection Tank Level and Pressure Monthly Functional Test        |
| 2-2000054          | 0           | Periodic Calibration of Hydrogen Recombiner Temperature Instrumentation |
| 2-3400023          | 0           | Polar Crane Weight Indication Calibration                               |

NOV 17 1983

Page 1 of 1  
November 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
MAINTENANCE PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                             |
|--------------------|-------------|------------------------------------------------------------------------------------------|
| 2-0110060          | 3           | Periodic Maintenance of Control Element Assembly (CEA)<br>Drive Equipment and Switchgear |
| 2-0910053          | 0           | 12 Month Test of Automatic Load Sequence Relays                                          |
| 2-0960060          | 1           | 125V DC System Periodic Maintenance and Tests                                            |
| 2-0960061          | 0           | BOP 125 V DC System Periodic Test and Maintenance                                        |
| 2-0960062          | 2           | Safety Battery 2A Emergency Load Profile Test                                            |
| 2-0960063          | 0           | Safety Battery 2B Emergency Load Profile Test                                            |
| 2-0970060          | 2           | Periodic Maintenance of the Instrument AC System                                         |
| 2-2200062          | 0           | 2A Emergency Diesel Electrical Inspection                                                |
| 2-2200063          | 0           | 2B Emergency Diesel Electrical Inspection                                                |
| _____              | _____       | _____                                                                                    |
| _____              | _____       | _____                                                                                    |
| _____              | _____       | _____                                                                                    |
| _____              | _____       | _____                                                                                    |



NOV 17 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OFF-NORMAL/EMERGENCY OPERATING PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                           |
|--------------------|-------------|--------------------------------------------------------|
| 2-0030130          | 4           | Reactor Trip/Turbine Trip                              |
| 2-0030131          | 2           | Plant Annunciator Summary - Unit 2                     |
| 2-0030132          | 4           | Anticipated Transient Without Scram (ATWS)             |
| 2-0030133          | 0           | Local Annunciator Summary                              |
| 2-0030140          | 5           | Blackout Operation                                     |
| 2-0030141          | 6           | Control Room Inaccessibility                           |
| 2-0030143          | 3           | Total Loss of AC Power                                 |
| 2-0110030          | 3           | CFA Off-Normal Operation and Realignment               |
| 2-0120031          | 0           | Excessive Reactor Coolant System Leakage               |
| 2-0120034          | 0           | Reactor Coolant Pump Off-Normal Operation              |
| 2-0120035          | 3           | Pressurizer Pressure and Level - Off-Normal Operation  |
| 2-0120036          | 2           | Pressurizer Relief/Safety Valve - Off-Normal Operation |
| 2-0120037          | 3           | Reactor Coolant Gas Vent System Off-Normal Operation   |
| 2-0120038          | 0           | Out of Limit Steam Generator Chemistry Parameters      |



NOV 17 1983

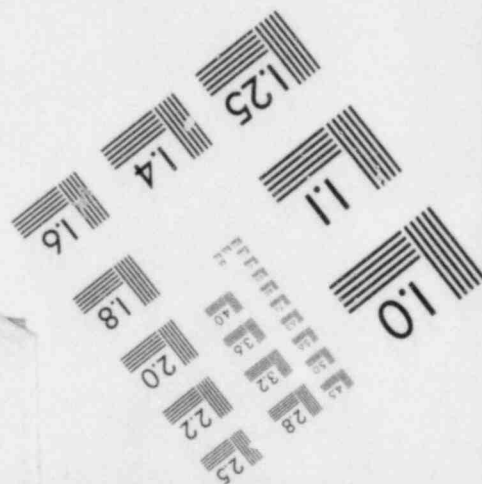
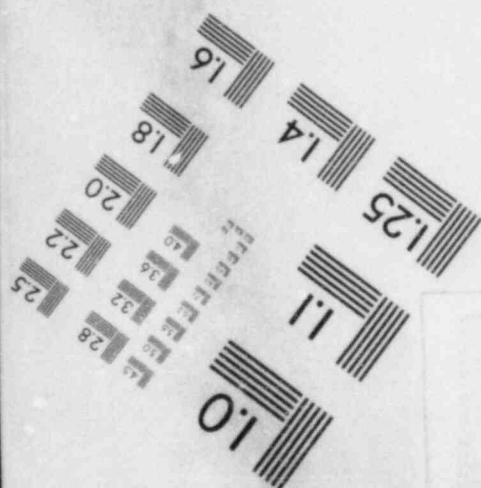
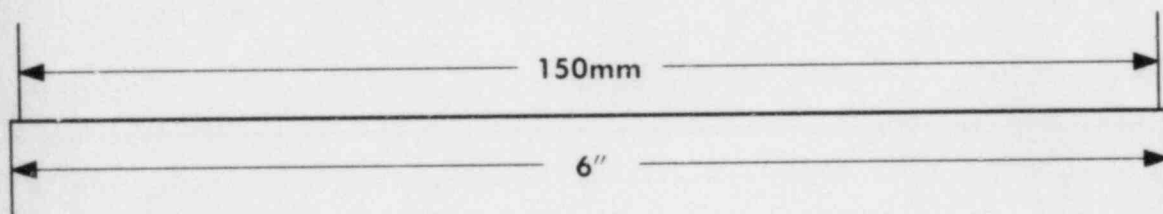
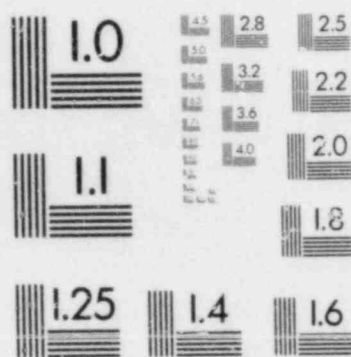
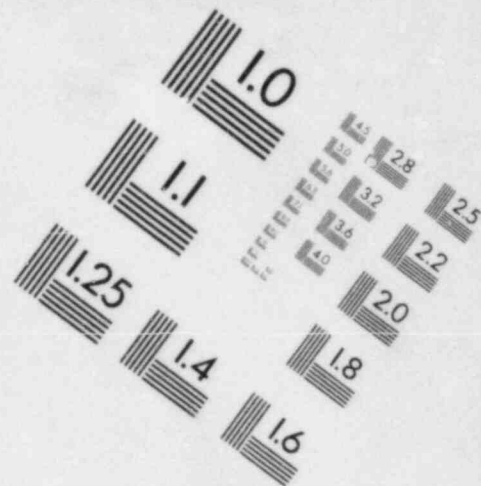
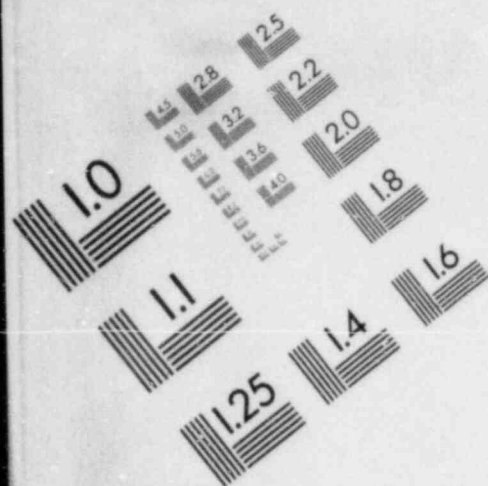
Page 2 of 5  
November 1983

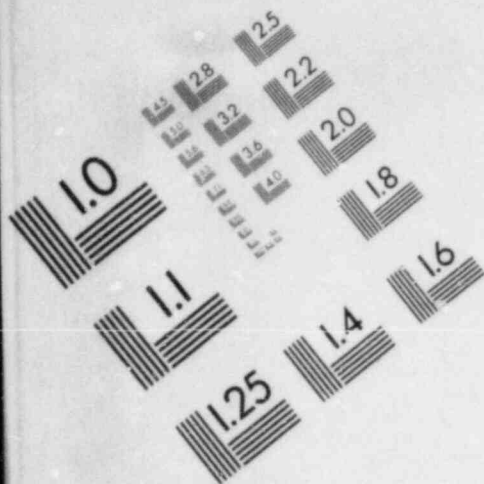
Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OFF-NORMAL/EMERGENCY OPERATING PROCEDURES INDEX

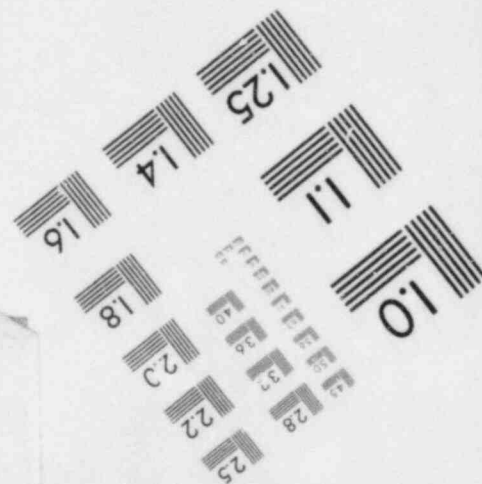
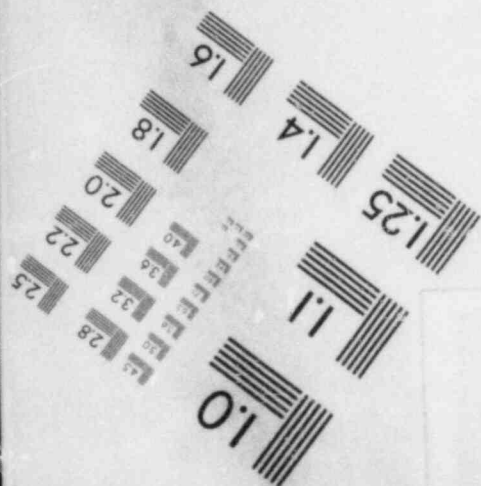
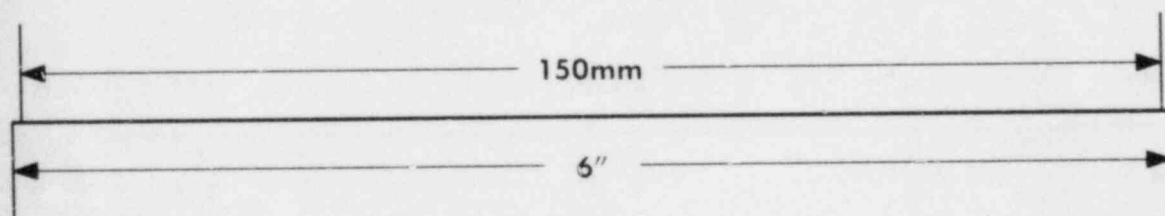
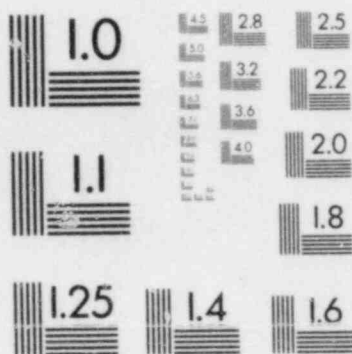
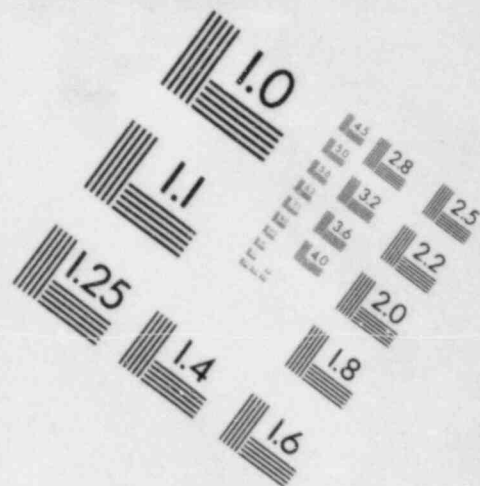
| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                               |
|--------------------|-------------|------------------------------------------------------------|
| 2-0120040          | 3           | Natural Circulation/Cooldown                               |
| 2-0120041          | 3           | Steam Generator Tube Rupture (SGTR)                        |
| 2-0120042          | 7           | Loss of Coolant Accident* (LOCA)                           |
| 2-0120043          | 2           | Inadequate Core Cooling (ICC)                              |
| 2-0210030          | 1           | Charging and Letdown - Off-Normal Operation                |
| 2-0250030          | 2           | Emergency Boration                                         |
| 2-0250031          | 1           | Boron Concentration Control Off-Normal                     |
| 2-0310030          | 2           | Component Cooling Water Off-Normal Operation               |
| 2-0310031          | 2           | CCW Excessive Activity                                     |
| 2-0330030          | 0           | Turbine Cooling Water System Off-Normal Operation          |
| 2-0350030          | 0           | Fuel Pool Cooling System - Off-Normal Operation            |
| 2-0360030          | 1           | Operational Requirements for Emergency Cooling Water Canal |
| 2-0410030          | 2           | HPSI - Off-Normal Operation                                |
| 2-0440030          | 1           | SDC/LPSI - Off-Normal Operation                            |
| 2-0510030          | 0           | Uncontrolled Release of Radioactive Liquids                |

IMAGE EVALUATION  
TEST TARGET (MT-3)





# IMAGE EVALUATION TEST TARGET (MT-3)



NOV 17 1983

Page 3 of 5  
November 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OFF-NORMAL/EMERGENCY OPERATING PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                           |
|--------------------|-------------|------------------------------------------------------------------------|
| 2-0530030          | 1           | Waste Gas System - Off-Normal Operation                                |
| 2-0530031          | 0           | Uncontrolled Release of Radioactive Gas                                |
| 2-0610030          | 0           | Condenser Tube Leak or S/G Level                                       |
| 2-0610031          | 0           | Loss of Condenser Vacuum                                               |
| 2-0620030          | 0           | Circulating Water System - High Delta T and High Discharge Temperature |
| 2-0640030          | 1           | ICW System - Off-Normal Operation                                      |
| 2-0700040          | 5           | Loss of Feedwater or S/G Level                                         |
| 2-0810040          | 2           | Main Steam Line Break                                                  |
| 2-0910030          | 0           | Startup Transformer Off-Normal Operation                               |
| 2-0910031          | 0           | Main Transformer Off-Normal Operation                                  |
| 2-0910032          | 0           | Auxiliary Transformer Off-Normal Operation                             |
| 2-0950030          | 1           | Boric Acid Heat Tracing System Off-Normal Operation                    |
| 2-0960030          | 2           | DC Ground Isolation                                                    |
| 2-0970030          | 0           | 120V Instrument AC System (Class 1E) Off-Normal Operation              |

NOV 17 1983

Page 4 of 5  
November 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OFF-NORMAL/EMERGENCY OPERATING PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                               |
|--------------------|-------------|----------------------------------------------------------------------------|
| 2-0970031          | 0           | Loss of SUPS-Non-Safety Vital AC or Fire and Security Inverters            |
| 2-1010030          | 1           | Loss of Instrument Air                                                     |
| 2-1110030          | 0           | Off-Normal Operation of the Letdown Monitor                                |
| 2-1110031          | 0           | Off-Normal Operation of the Condenser Air Ejector Monitor                  |
| 2-1110032          | 0           | Off-Normal Operation of the Liquid Waste Process Monitor                   |
| 2-1110033          | 0           | Off-Normal Operation of the Gaseous Waste Monitor                          |
| 2-1110034          | 0           | Off-Normal Operation of the Plant Vent Process Monitor                     |
| 2-1110035          | 0           | Off-Normal Operation of the Containment Process Monitor                    |
| 2-1110036          | 0           | Off-Normal Operation of the Component Cooling Water Process Monitors A & B |
| 2-1110037          | 0           | Off-Normal Operation of the Steam Generator Blowdown Process               |
| 2-1110038          | 0           | Off-Normal Operation of the Fuel Building Effluent Monitor (FBEM)          |
| 2-1120030          | 0           | Off-Normal Operation of the Area Radiation Monitoring System               |
| 2-1300030          | 1           | Loss of Containment Integrity - Off-Normal Operation                       |
| 2-1300031          | 0           | Air Locks Off-Normal Operation                                             |
| 2-1560030          | 0           | Primary Water System Off-Normal                                            |

NOV 17 1983

Page 5 of 5  
November 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OFF-NORMAL/EMERGENCY OPERATING PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                         |
|--------------------|-------------|----------------------------------------------------------------------|
| 2-1600030          | 1           | Accidents Involving New or Spent Fuel                                |
| 2-1900030          | 2           | Auxiliary Building and Control Room Ventilation Off-Normal Operation |
| 2-2000030          | 0           | Loss of Reactor Cavity Cooling Fans or Reactor Support Cooling Fans  |



NOV 17 1983

Page 1 of 9  
November 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                                |
|--------------------|-------------|-------------------------------------------------------------------------------------------------------------|
| 2-0010126          | 0           | Containment and Shield Building Access Control                                                              |
| 2-0030120          | 8           | Prestart Check-off List                                                                                     |
| 2-0030121          | 8           | Reactor Plant Heat-Up-Cold to Hot Standby                                                                   |
| 2-0030122          | 3           | Reactor Startup                                                                                             |
| 2-0030123          | 2           | Reactor Operator Guidelines During Steady State and Scheduled Load Changes                                  |
| 2-0030124          | 4.5         | Turbine Startup Zero to Full Load                                                                           |
| 2-0030125          | 1           | Turbine Shutdown Full Load to Zero Load                                                                     |
| 2-0030126          | 1           | Estimated Critical Conditions and Inverse Count Rate Ratio                                                  |
| 2-0030127          | 6           | Reactor Plant Cooldown - Hot Standby to Cold Shutdown                                                       |
| 2-0030128          | 1           | Reactor Shutdown                                                                                            |
| 2-0030150          | 4.2         | Secondary Plant Operating Checks and Tests                                                                  |
| 2-0030151          | 3           | Remote Shutdown Monitoring Instrumentation Periodic Channel Check and Selector Switch Position Verification |
| 2-0030222          | 1           | EOL Post-Trip Recovery                                                                                      |
| 2-0110020          | 5           | CEM MG Set Operation                                                                                        |
| 2-0110022          | 1           | Coupling and Uncoupling of CEA Extension Shafts                                                             |
| 2-0110050          | 3           | Control Element Assembly Periodic Exercise                                                                  |
| 2-0110054          | 0           | Periodic Rod Drop Time Test and CEA Position Functional Test                                                |

NOV 17 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                |
|--------------------|-------------|-----------------------------------------------------------------------------|
| 2-0110055          | 2           | Surveillance Requirements for Shutdown Margin Modes 1 and 2 (Critical)      |
| 2-0110055A         | 2           | Shutdown Margin Suspension During Zero Power Physics Testing                |
| 2-0110056          | 3           | Surveillance Requirements for Shutdown Margin Modes 2, 3, 4, 5 Sub-Critical |
| 2-0110057          | 3           | Periodic Surveillance of DNB Margin                                         |
| 2-0110059          | 1           | Suspension of Group Height, Insertion and Power Dist. Limit Requirements    |
| 2-0120020          | 5/6         | Filling & Venting the RCS                                                   |
| 2-0120021          | 4           | Draining the Reactor Coolant System                                         |
| 2-0120022          | 1           | Leak Test Following RCS Opening                                             |
| 2-0120023          | 3           | Reactor Cooling Pump Normal Operation                                       |
| 2-0120024          | 2/2         | Pressurizer Steam Space Venting                                             |
| 2-0120025          | 2           | Quench Tank Operation                                                       |
| 2-0120027          | 1           | Steam Generator Wet Lay-Up                                                  |
| 2-0120028          | 0           | Demonstration of Xenon Dampening                                            |
| 2-0120051          | 1           | RCS Flow Determination by Calorimetric                                      |
| 2-0120461          | 0           | Steam Generator Secondary Cold Hydro, <805 psig                             |
| 2-0210020          | 5/6         | Charging and Letdown - Normal Operation                                     |
| 2-0210021          | 0           | VCT-Hydrogen & Nitrogen Concentration Control                               |

NOV 17 1983

Page 3 of 9  
November 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                               |
|--------------------|-------------|--------------------------------------------------------------------------------------------|
| 2-0220020          | 2           | Hydrogen System Normal Operation                                                           |
| 2-0230020          | 1           | Nitrogen System Normal Operation                                                           |
| 2-0250020          | 45          | Boron Concentration Control - Normal Operation                                             |
| 2-0250021          | 2           | Boric Acid Batching and Transferring                                                       |
| 2-0310020          | 5           | Component Cooling Water - Normal Operation                                                 |
| 2-0330020          | 2           | Turbine Cooling Water Normal Operation                                                     |
| 2-0350020          | 0           | Fuel Pool Cooling and Purification System - Normal Operation                               |
| 2-0400053          | 0           | Engineered Safeguards Relay Test                                                           |
| 2-0410020          | 5           | HPSI/LPSI Normal Operation                                                                 |
| 2-0410021          | 3           | Safety Injection Tank, Normal Operation                                                    |
| 2-0410050          | 3           | HPSI/LPSI Periodic Test                                                                    |
| 2-0410052          | 1           | Check Valve Back Leakage                                                                   |
| 2-0420020          | 3           | Containment Spray Initial Valve Alignment                                                  |
| 2-0420050          | 5           | Containment Spray and Iodine Removal System - Periodic Test,<br>Pump and Valve Operability |
| 2-0510020          | 1           | Oxygenated Waste System                                                                    |
| 2-0510021          | 0           | Waste Concentrator Operation                                                               |
| 2-0510022          | 1           | Controlled Liquid Release to the Circulating Water Discharge                               |

NOV 17 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                    |
|--------------------|-------------|-----------------------------------------------------------------|
| 2-0520020          | 1           | Radioactive Resin Replacement                                   |
| 2-0520021          | 0           | Solid Waste Baler Operation                                     |
| 2-0520022          | 0           | Drumming Station Operation for Drumming of Concentrator Bottoms |
| 2-0530020          | 3           | Waste Gas System Operation                                      |
| 2-0530021          | 2           | Controlled Gaseous Batch Release to Atmosphere                  |
| 2-0540020          | 4           | Boron Recovery System Lineup                                    |
| 2-0540021          | 1           | Boric Acid Concentrator Operation                               |
| 2-0610020          | 0           | Operation of the Cathodic Protection System                     |
| 2-0610029          | 0 /         | Condenser Air Removal System Operations                         |
| 2-0620020          | 3           | Circulating Water System Normal Operation                       |
| 2-0640020          | 3           | ICW System Operation                                            |
| 2-0700020          | 1           | Condensate Feedwater System - Normal Operation                  |
| 2-0700021          | 2           | Heater Drain and Vent System Alignment                          |
| 2-0700022          | 4 5         | Auxiliary Feedwater - Normal Operation                          |
| 2-0700023          | 0           | Feedwater Heaters - Placing In or Removing From Service         |
| 2-0700024          | 1           | Condensate Recovery System Operation                            |
| 2-0700025          | 1           | Feedwater Recirculation Line Filter Operation                   |

NOV 17 1983

Page 5 of 9  
November 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                          |
|--------------------|-------------|---------------------------------------------------------------------------------------|
| 2-0700050          | 3           | Auxiliary Feedwater Periodic Test                                                     |
| 2-0810020          | 2           | Main Steam System Initial Valve Alignment                                             |
| 2-0810021          | 0           | Steam System Cross Connect Operation -<br>St. Lucie Unit 1 Supplying St. Lucie Unit 2 |
| 2-0810050          | 2           | Main Steam Feedwater Isolation Valves Periodic Test                                   |
| 2-0810051          | 1           | Steam Dump and Bypass System Functional Test                                          |
| 2-0820020          | 3           | Auxiliary Steam System - Placing in Service                                           |
| 2-0830020          | 0           | Blowdown System Operation                                                             |
| 2-0910020          | 0           | Removal and Restoration of a Start-Up Transformer                                     |
| 2-0910021          | 0           | Backfeed 2A and 2B Main Auxiliary Transformers from Midway Line #3                    |
| 2-0910051          | 0           | Main Transformer Periodic Test                                                        |
| 2-0910052          | 0           | Auxiliary Transformer Periodic Test                                                   |
| 2-0950020          | 0           | Boric Acid Heat Tracing System Operation                                              |
| 2-0960020          | 3           | 125V DC Class 1E Power System Normal Operation                                        |
| 2-0960022          | 1           | BOP 125V DC Ssystem Normal Operation                                                  |
| 2-0970020          | 2           | Operation of the 120V Instrument AC System (Class 1E)                                 |
| 2-0970021          | 1           | 120 Volts Vital AC System Operation                                                   |
| 2-0970022          | 0           | Operation of the CSPDS Inverter                                                       |

NOV 17 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                       |
|--------------------|-------------|--------------------------------------------------------------------|
| 2-0970023          | 0           | Operation of the Security and Fire Protection Inverter             |
| 2-1010020          | 3           | Instrument Air System Operation                                    |
| 2-1010022          | 2           | Instrument Air System - Initial Valve Alignment                    |
| 2-1020020          | 1           | Station Air System Operation                                       |
| 2-1110020          | 0           | Process Monitoring System Operation                                |
| 2-1110021          | 0           | General Atomic Wide Range Gas (WRGM) Process Monitor Operation     |
| 2-1120020          | 0           | Remote Operation of the General Atomic Radiation Monitoring System |
| 2-1120050          | 2           | Functional Testing of the Unit 2 Area Radiation Monitoring System  |
| 2-1120060          | 1           | Calibration of the PSL-2 Area Radiation Monitoring System          |
| 2-1170020          | 1           | Demineralized Water System - Initial Valve Alignment               |
| 2-1200051          | 0           | Nuclear and Delta T Power Calibration                              |
| 2-1210020          | 0           | Startup Nuc. Inst. Channels Functional Test                        |
| 2-1210030          | 1           | Wide Range Nuclear Instrumentation Channel Malfunction             |
| 2-1210051          | 0           | Wide Range Nuclear Instrumentation Channels Functional Test        |
| 2-1300020          | 1           | Containment Building Access Hatches - Operation                    |
| 2-1300051          | 0           | Local Leak Rate Testing                                            |
| 2-1300054          | 01          | RAB Fluid Systems Periodic Leak Test                               |



NOV 17 1993

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                              |
|--------------------|-------------|-----------------------------------------------------------|
| 2-1300055          | 0           | Purge Valve Leak Rate Test                                |
| 2-1400020          | 0           | Sequence of Events Recorder Operation                     |
| 2-1400057          | 3           | Reactor Regulating System Functional Test                 |
| 2-1400059          | 3           | Reactor Protection System - Periodic Logic Matrix Test    |
| 2-1560020          | 2           | Primary Water System                                      |
| 2-1600023          | 2           | Refueling Sequencing Guidelines                           |
| 2-1600024          | 1           | Filling and Draining the Refueling Canal and Cavity       |
| 2-1600025          | 0           | Fuel Handling Building Ventilation System - Periodic Test |
| 2-1610020          | 4           | Receipt and Handling of New Fuel                          |
| 2-1630021          | 1           | New Fuel Elevator Operation                               |
| 2-1630022          | 1           | Spent Fuel Handling Machine Operation                     |
| 2-1630023          | 0           | Fuel Transfer System Operation                            |
| 2-1630024          | 1           | Refueling Machine Operation                               |
| 2-1630025          | 0           | CEA Change Fixture Operation                              |
| 2-1630027          | 0           | Dry Shipping of Irradiated Fuel Assemblies                |
| 2-1630028          | 3           | New Fuel Handling Crane Operation                         |
| 2-1710020          | 2           | Primary Sample System Valve Alignment                     |

NOV 17 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                           |
|--------------------|-------------|----------------------------------------------------------------------------------------|
| 2-1720020          | 3           | Gas Analyzer Operation                                                                 |
| 2-1730020          |             | See Chemistry                                                                          |
| 2-1800057          | 0           | Surveillance of Fire Protection Sprinkler System for RAB and Diesel Generator Building |
| 2-1900020          | 1           | Reactor Auxiliary and Control Room Ventilation System Operation                        |
| 2-1900050          | 2           | Control Room Pressure Periodic Test                                                    |
| 2-2000020          | 1           | Containment Cooling System Operation                                                   |
| 2-2000023          | 2           | Continuous Containment/Hydrogen Purge System Operation                                 |
| 2-2000024          | 1           | Shield Building Ventilation Operation                                                  |
| 2-2000053          | 1           | Hydrogen Recombiner                                                                    |
| 2-2100020          | 2           | Turbine Seal Oil System Operation                                                      |
| 2-2100021          | 1           | Generator Gas System Operation                                                         |
| 2-2100022          | 3           | Turbine Lube Oil System Operation                                                      |
| 2-2100023          | 0           | Generator Air Leakage Rate Drop Test                                                   |
| 2-2200020          | 4           | Emergency Diesel Generator Standby Lineup                                              |
| 2-2200050          | 3           | Emergency Diesel Periodic Test                                                         |
| 2-3200020          | 2           | Primary System Manual Colorimetric                                                     |
| 2-3200050          | 0           | Calculation and Adjustment of Fixed Incore Detection Alarm Setpoints                   |

NOV 17 1983

Copy # \_\_\_\_\_

ST. LUCIE UNIT 2  
OPERATIONAL PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                      |
|--------------------|-------------|-----------------------------------------------------------------------------------|
| 2-3200051          | 1           | At Power Determination of Moderator Temperature Coefficient and Power Coefficient |
| 2-3200053          | 1           | Surveillance Requirements for Azimuthal Power Tilt ( $T_q$ )                      |
| 2-3200054          | 2           | Surveillance Requirement for Total Integrated Radial Peaking Factor ( $F_r^T$ )   |
| 2-3200058          | 1           | Surveillance Requirements for Total Planar Radial Peaking Factor ( $F_{xy}^T$ )   |
| 2-3200059          | 1           | Forced Xenon Oscillation Test                                                     |

ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                          |
|--------------------|-------------|---------------------------------------------------------------------------------------|
| 2-0010080          | 1           | Calibration and Functional Testing of Installed Instrumentation and Control Equipment |
| 2-0010180          | 1           | Power Ascention Sequencing Document                                                   |
| 2-0010181          | 0           | Pre-Core Hot Functional Sequencing Document                                           |
| 2-0010184          | 0           | Reactor Coolant System Component Expansion Measurement                                |
| 2-0010185          | 0           | Piping Thermal Expansion and Restraints                                               |
| 2-0010187          | 0           | Reactor Cavity Sump Leak Detector Test                                                |
| 2-0010188          | 0           | Sump Pump Preoperational Test                                                         |
| 2-0010189          | 0           | Reactor Coolant System Component Expansion Measurement - Post Core                    |
| 2-0010190          | 0           | Post Core Hot Functional Sequencing Document                                          |
| 2-0010191          | 1           | Reactor Coolant System Heat Loss Measurement                                          |
| 2-0010192          | 1           | Reactor Coolant System (RCS) Coastdown and Flow Measurement                           |
| 2-0010193          | 0           | Generator Ventilation System Verification                                             |
| 2-0010194          | 0           | Piping Thermal Expansion and Restraint Post Core                                      |
| 2-0010196          | 1           | Piping Vibration Monitoring                                                           |
| 2-0010197          | 0           | Pump and Valve Baseline Data                                                          |
| 2-0010198          | 0           | Baseline Leak Check of System Outside Containment Processing Primary Coolant          |
| 2-0010199          | 0           | Operability Qualification of Valves                                                   |

NOV 17 1983

Page 2 of 15  
November 1983ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                           |
|--------------------|-------------|--------------------------------------------------------------------------------------------------------|
| 2-0030180          | 0           | Annunciator-Preoperational Functional Test                                                             |
| 2-0030190          | 0           | Remote Cold Shutdown Demonstration                                                                     |
| 2-0030221          | 1           | Unit 2 Initial Criticality                                                                             |
| 2-0110052          | 1           | Unit 2 Zero Power Physics Test                                                                         |
| 2-0110081          | 0           | CEM Rod Drop Test                                                                                      |
| 2-0110082          | 0           | CEA Position Indication & Alarm System Preoperational Functional Test                                  |
| 2-0110084          | 0           | CEM MG Set Functional Test                                                                             |
| 2-0110090          | 0           | 10% Load Reduction - Turbine Runback                                                                   |
| 2-0110092          | 1           | CEM Coil Temperature Measurement                                                                       |
| 2-0110093          | 1           | CEM Coil and Cable Resistance Measurements                                                             |
| 2-0110095          | 0           | CEM Pre-Core Functional Test                                                                           |
| 2-0120035          | 0           | Reactor Coolant Pump Motors -- Initial Run                                                             |
| 2-0120080          | 1           | Hydrostatic Pressure Test of the Reactor Coolant System & High Pressure Portions of Associated Systems |
| 2-0120082          | 0           | RCS Cooldown From 300°F                                                                                |
| 2-0120083          | 0           | RCS Flow Measurement                                                                                   |
| 2-0120084A         | 0           | Natural Circulation Training (Pre-Critical)                                                            |
| 2-0120086          | 0           | Reactor Coolant Gas Vent System Preop Test                                                             |

ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                    |
|--------------------|-------------|---------------------------------------------------------------------------------|
| 2-0120087          | 1           | Quench Tank Preoperational Test                                                 |
| 2-0120088          | 0           | Pressurizer Relief Isolation Valves V-1476 and V-1477 Functional Test           |
| 2-0120089          | 0           | Pressurizer Safety Valve Test, System Valve Numbers C1200, V1201, V1202         |
| 2-0120090          | 2           | Feedwater, Steam Generator Secondary & Mainsteam Cold Hydro                     |
| 2-0120091          | 0           | Main Steam Safety Valve Test, System Valve Numbers 21-SR 201 through 21-SR 8216 |
| 2-0120093          | 2           | Reactor Coolant System Leakage Monitoring Test                                  |
| 2-0120094          | 0           | Reactor Coolant Pump Initial Run                                                |
| 2-0120095          | 0           | Narrow Range Instrumentation Calibration Check                                  |
| 2-0120096          | 0           | Pressurizer Control Functional Test                                             |
| 2-0120097          | 0           | Pressurizer Spray and Control - Post Core                                       |
| 2-0120098          | 1           | Low Temperature Over-Pressure Protection (LTOP) Functional Test                 |
| 2-0210080          | 1           | Charging System Preoperational Test                                             |
| 2-0210081          | 1           | CVCS Functional Test                                                            |
| 2-0210082          | 1           | Boronometer Preoperational & Functional Test                                    |
| 2-0220080          | 0           | Gas Systems Supply Test Includes N <sub>2</sub> & H <sub>2</sub>                |
| 2-0250081          | 0           | Boric Acid Make-Up System Functional Test                                       |
| 2-0250082          | 0           | Boric Acid Make-Up Pump, Initial Pump Run                                       |



NOV 17 1983

Page 4 of 15  
November 1983ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                |
|--------------------|-------------|---------------------------------------------------------------------------------------------|
| 2-0250083          | 0           | Boron and Boron Dilution Test                                                               |
| 2-0250084          | 0           | Verification and Monitoring of Boron Concentration Prior to and During Initial Core Loading |
| 2-0310080          | 0           | Component Cooling Water Functional Test & Flow Balance                                      |
| 2-0310081          | 0           | Component Cooling Water Pumps Initial Run                                                   |
| 2-0330080          | 1           | Turbine Cooling Water System Functional Test                                                |
| 2-0350080          | 0           | Fuel Pool Cooling & Purification System Functional Test                                     |
| 2-0400080          | 0           | Integrated Test of Engineered Safety Features                                               |
| 2-0410080          | 0           | High Pressure Safety Injection Pump Full Verification and Flow Distribution Test            |
| 2-0410082          | 1           | Safety Injection Tank Dump Test                                                             |
| 2-0410083          | 1           | Safety Injection Check Valve Hot Flow Verification                                          |
| 2-0410084          | 1           | High Pressure Safety Injection System-Initial Pump Run                                      |
| 2-0420080          | 0           | Containment Spray Full Flow Test                                                            |
| 2-0420081          | 0           | Containment Spray Initial Pump Run                                                          |
| 2-0420082          | 1           | Iodine Removal System Preoperational and Functional Test                                    |
| 2-0420083          | 0           | LPSE Pump Isolation Valves V3432 AND V3444 Functional Test                                  |
| 2-0430080          | 1           | Refueling Water System Preoperational and Functional Test                                   |
| 2-0440080          | 1           | Low Pressure Safety Injection Pump Initial Run                                              |

NOV 17 1983

Page 5 of 15  
November 1983ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                   |
|--------------------|-------------|--------------------------------------------------------------------------------|
| 2-0440081          | 1           | Low Pressure Safety Injection Test Through the Shut-Down Cooling Heat Exchange |
| 2-0440082          | 0           | Retest of Safeguards Pump Miniflow Recirc Solenoid Valves                      |
| 2-0510080          | 0           | Liquid Waste System Preoperational Test                                        |
| 2-0510081          | 0           | Waste Concentrator 2A Functional Test                                          |
| 2-0510082          | 2           | Laundry Drain Pumps 2A & 2B Initial Run                                        |
| 2-0510083          | 1           | Equipment and Chemical Drain System Functional                                 |
| 2-0510084          | 0           | Waste Condensate Pumps 2A & 2B Initial Run                                     |
| 2-0520080          | 0           | Waste Compactor Functional Test                                                |
| 2-0520081          | 0           | Spent Resin Functional Test                                                    |
| 2-0530080          | 2           | Waste Management System Functional Test -- Gaseous Waste System                |
| 2-0540080          | 1           | Boron Recovery System Function Test                                            |
| 2-0540081          | 0           | Boric Acid Concentrators 2A, 2B System Functional Test                         |
| 2-0610081          | 0           | Water Box Air Removal and Condenser Air Evacuation and Leak Test               |
| 2-0610082          | 0           | Condenser Pit & Yard Sump Pump Functional Test                                 |
| 2-0610083          | 1           | Condenser Water Box Cathodic Protection Initial Operation Test                 |
| 2-0610084          | 1           | Intake Structure Cathodic Protection Initial Operation Test                    |
| 2-0620080          | 0           | Circulation Water System Preoperational Test                                   |

ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                  |
|--------------------|-------------|---------------------------------------------------------------|
| 2-0620081          | 0           | Intake Structure Apparatus                                    |
| 2-0630080          | 0           | Hypochlorite System Functional Test                           |
| 2-0630085          | 1           | St. Lucie Circulating Water Canal Test                        |
| 2-0640080          | 2           | Intake Cooling Water Preoperational Test                      |
| 2-0700080          | 0           | Feedwater System Test                                         |
| 2-0700081          | 1           | Auxiliary Feedwater Functional Test                           |
| 2-0700082          | 1           | Heater Drain Pump Initial Run                                 |
| 2-0700083          | 1           | Condensate Transfer System Preoperational and Functional Test |
| 2-0700084          | 1           | Condensate Recovery System Preoperational Test                |
| 2-0700085          | 0           | Secondary Chemical Feed System Functional Test                |
| 2-0700086          | 0           | Feedwater Regulating System                                   |
| 2-0700087          | 0           | Heater Drain System Functional Test                           |
| 2-0700088          | 1           | Condensate Pump Initial Run                                   |
| 2-0700091          | 0           | Auxiliary Feedwater Pumps 2A & 2B Initial Run                 |
| 2-0700092          | 2           | Condensate System Functional Test                             |
| 2-0700093          | 0           | 2C Auxiliary Feedwater Pump Turbine Driver Oil System Flush   |
| 2-0700094          | 0           | Auxiliary Feedwater Pump 2C Initial Run                       |

ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                            |
|--------------------|-------------|-----------------------------------------------------------------------------------------|
| 2-0700095          | 0           | Auxiliary Feedwater System Endurance Test                                               |
| 2-0700096          | 0           | Auxiliary Feedwater Actuation System (AFAS) Cabinet Test                                |
| 2-0700097          | 0           | Auxiliary Feedwater Pump 2C and Atmospheric Steam Dump Manual Operation Functional Test |
| 2-0700098          | 0           | AFAS Initial Response Time Test                                                         |
| 2-0760080          | 1           | Digital Data Processor Preoperational Functional Test                                   |
| 2-0810081          | 0           | Steam Bypass Control System (SBCS) Cabinet Preop Functional Test                        |
| 2-0810082          | 0           | Main Steam Isolation Valve Test                                                         |
| 2-0810083          | 0           | Atmospheric Steam Dump and Turbine Bypass System Hot Functional Test                    |
| 2-0810084          | 0           | Chemical Cleaning Procedure for the Secondary Cycle                                     |
| 2-0830080          | 0           | Steam Generator Blowdown Functional Test                                                |
| 2-0830086          | 0           | Steam Generator Blowdown Cooling System Functional Test                                 |
| 2-0910082          | 0           | Initial Operation of the 4.16 KV Switchgear                                             |
| 2-0910083          | 4           | 480V AC Load Center & Motor Control Center Initial Operation                            |
| 2-0910084          | 0           | Initial Operation of the 6.9 KV Switchgear                                              |
| 2-0910085          | 1           | Main Generator Excitation System Initial Operation                                      |
| 2-0910086          | 1           | Start-Up Transformer 2A & 2A4 and 2B4 Preoperational Testing                            |
| 2-0910087          | 0           | Start-Up Transformer 2B - Preoperational Test                                           |

NOV 17 1983

Page 8 of 15  
November 1983ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                    |
|--------------------|-------------|---------------------------------------------------------------------------------|
| 2-0910088          | 0           | 480V AC Pressurizer Load Centers and 480V AC Pressurizer Power Panels           |
| 2-0910089          | 0           | *2A and 2B Main Auxiliary Transformers Backfeed From Line #3                    |
| 2-0950080          | 0           | Boric Acid Heat Tracing Functional Test (Chem. Volume Control System)           |
| 2-0950081          | 1           | Station Grounding System                                                        |
| 2-0950082          | 1           | 120/208 V AC Class IE Electrical Sys. Functional Test                           |
| 2-0950083          | 2           | 120/208 V AC Non-Class Electrical System Functional Test                        |
| 2-0950084          | 0           | 120/208 V AC Normal Emergency Lighting System Functional Test & Lighting Survey |
| 2-0950085          | 0           | Boric Acid Heat Tracing Functional Test (Waste Management)                      |
| 2-0950086          | 0           | 120/208 V AC Lighting System Functional Test & Lighting Survey                  |
| 2-0960080          | 3           | Initial Operation of the Class IE 125 VDC Power System                          |
| 2-0960081          | 2           | Battery Test Discharge                                                          |
| 2-0960082          | 0           | BOP Battery Test Discharge                                                      |
| 2-0960083          | 1           | Safety Battery Emergency Load Profile Test                                      |
| 2-0960084          | 0           | 125V DC Bus 2 C Initial Operation                                               |
| 2-0960085          | 1           | 125V DC Emergency Lighting Functional Test and Light Survey                     |
| 2-0960086          | 0           | 2AA, 2BB, 2B and 2AB Battery Charge Load Test                                   |
| 2-0970080          | 1           | Instrument AC System Initial Operation                                          |

NOV 17 1983

Page 9 of 15  
November 1983ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                         |
|--------------------|-------------|----------------------------------------------------------------------|
| 2-0970081          | 0           | Vital AC System Initial Operation                                    |
| * 2-0970082        | 0           | AC Security System                                                   |
| 2-0970083          | 0           | 480 VAC Security Lighting System Functional Test and Lighting Survey |
| 2-0980080          | 0           | Communications System Functional Test                                |
| 2-0980081          | 1           | Communications (On and Offsite) Preoperational and Functional Test   |
| 2-1010080          | 1           | Instrument Air System Preoperational and Functional Test             |
| 2-1010081          | 0           | Loss of Instrument Air to Safety Related Valves                      |
| 2-1010083          | 0           | Air Compressor Alternate Cooling System                              |
| 2-1020080          | 0           | Station Air System Preoperational Test                               |
| 2-1110080          | 0           | Gas and Liquid Radiation Monitors Preoperational and Functional Test |
| 2-1110082          | 0           | Wide Range Gas Monitor (WRGM) Preoperational Functional Test         |
| 2-1110083          | 0           | Integrated Radiation Monitoring System Preoperational Test           |
| 2-1110092          | 0           | Particulate/Iodine/Gas (P.I.G.) Preoperation Functional Test         |
| 2-1120080          | 0           | Area Radiation Monitors Preoperational and Functional Test           |
| 2-1130080          | 1           | Loose Parts Monitoring System Functional Test                        |
| 2-1130082          | 0           | Loose Parts Monitoring System Baseline Data and Trigger Calibration  |

\* Need to stamp SAFEGUARDS. Also send out in double envelope.



ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                                                                 |
|--------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 2-1200081          | 1           | Incore Instrumentation Measurements                                                                                                          |
| 2-1210080          | 0           | Startup/Control Channel Instrumentation                                                                                                      |
| 2-1210082          | 0           | Neutron Response of Temporary Fuel Loading Channels and Plant Startup Nuclear Channels                                                       |
| 2-1220080          | 1           | Safety Channel Nuclear Instrumentation                                                                                                       |
| 2-1240080          | 1           | Incore Instrumentation Preoperational Test                                                                                                   |
| 2-1240083          | 0           | Moveable Incore Detector Drive Preoperational Test                                                                                           |
| 2-1240084          | 0           | Digital Data Processor Controlled Moveable Incore Detector Drive System Functional Test                                                      |
| 2-1240086          | 0           | Qualified Safety Parameter Display System Functional Test                                                                                    |
| 2-1300080          | 0           | Integrated Leak Rate Test (ILRT)                                                                                                             |
| 2-1300082          | 0           | Local Leak Rate Test                                                                                                                         |
| 2-1300084          | 0           | Shield Building Leak Rate Test                                                                                                               |
| 2-1400080          | 1           | Reactor Protection System Preop Test                                                                                                         |
| 2-1400082          | 1           | Reactor Regulating System Preoperational and Functional Test                                                                                 |
| 2-1400084          | 1           | Automatic Control Systems Checkout Steam Generator Level Control CEA Regulating System, Automatic Turbine Control and Load Swing (ESEC) Test |
| 2-1400085          | 0           | Digital Electro-Hydraulic Controller (DEHC) Checkout                                                                                         |
| 2-1400086          | 0           | Sequence of Events Recorder (SER) Preoperational Function Test                                                                               |

ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                               |
|--------------------|-------------|----------------------------------------------------------------------------|
| 2-1400088          | 2           | Engineered Safeguards Panel Test                                           |
| 2-1400090          | 1           | Digital Data Processor Inst. Correlation Test                              |
| 2-1400093          | 0           | Reactor Trip With Shutdown Outside The Control Room                        |
| 2-1400162          | 0           | Reactor Protection and Engineered Safeguards Systems Response Time Testing |
| 2-1400162A         | 0           | Reactor Protection System - RTD Time Response Test                         |
| 2-1530080          | 1           | Preoperational Test of the Domestic Water System                           |
| 2-1560080          | 1           | Preoperational Test of the Primary Water System                            |
| 2-1560081          | 0           | Initial Run of Primary Water Pumps                                         |
| 2-1560082          | 2           | Demineralized Water System Preoperational Test                             |
| 2-1560083          | 0           | Primary Water System Vacuum Deaerator Preoperational Test                  |
| 2-1600021          | 2           | Unit 2 Initial Core Loading                                                |
| 2-1600080          | 0           | Fuel Handling Building Vent System                                         |
| 2-1630080          | 1           | Refueling Machine Indexing                                                 |
| 2-1630081          | 1           | Refueling Machine Preop Test                                               |
| 2-1630082          | 0           | CEA Change Fixture Preoperational Test                                     |
| 2-1630083          | 0           | Preop Test of the Spent Fuel Handling Machine                              |
| 2-1630085          | 0           | Preoperational Test of the Spent Fuel Handling Machine                     |

ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                                                         |
|--------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 2-1630086          | 0           | New Fuel Elevator                                                                                                                    |
| 2-1630087          | 0           | Test of the New Fuel Handling Crane and Storage Racks                                                                                |
| 2-1710080          | 3           | Primary Sample Initial Operation                                                                                                     |
| 2-1720080          | 1           | Gas Analyzer Sampling System Functional Test                                                                                         |
| 2-1730080          | 0           | Secondary Sampling System Preoperational Test                                                                                        |
| 2-1740080          | 1           | Post Accident Sampling System (PASS) Functional Test                                                                                 |
| 2-1800080          | 1           | Fire Water System Test                                                                                                               |
| 2-1800080A         | 0           | Fire Water System Test of Dry Storage Warehouse                                                                                      |
| 2-1800081          | 1           | Fire Detection System Preoperational and Functional Test                                                                             |
| 2-1900080          | 0           | Auxiliary Building Ventilation System Functional Test                                                                                |
| 2-1900081          | 1           | Control Room Ventilation System Initial Start-up and Functional Test                                                                 |
| 2-1900082          | 0           | RAB Miscellaneous Ventilation Systems                                                                                                |
| 2-1900083          | 0           | Control Room Leak Rate Test                                                                                                          |
| 2-1900084          | 0           | HVAC Systems Temperature Capability Survey At 50% Power, 100% Power & Shutdown Cooling                                               |
| 2-2000080          | 0           | Containment Purge & Vacuum Relief Systems Preop Test HVAC System Temp. Capability Survey at 50% Power; 100% Power & Shutdown Cooling |
| 2-2000081          | 0           | Containment Ventilation System Functional Test                                                                                       |
| 2-2000082          | 0           | Shield Building Ventilation System (SBVS) Functional Test                                                                            |

NOV 17 1983

Page 13 of 15  
November 1983ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                           |
|--------------------|-------------|------------------------------------------------------------------------|
| 2-2000083          | 0           | Hydrogen Recombiner Functional Test                                    |
| 2-2000084          | 0           | Continuous Containment/Hydrogen Purge System Functional Test           |
| 2-2000085          | 1           | Initial Fan Operation and HVAC Balancing                               |
| 2-2000086          | 0           | Reactor Vessel Ventilation System Functional Test                      |
| 2-2000088          | 0           | Containment Hydrogen Sampling System Functional Test                   |
| 2-2000089          | 0           | In-Place Testing of HEPA Filters, Charcoal Adsorbers, Frames and Racks |
| 2-2000090          | 0           | Auxiliary Building Leak Test                                           |
| 2-2100080          | 0           | Turbine Control Initial Test                                           |
| 2-2100081          | 1           | St. Lucie Unit 2 Generator Gas Tightness Test                          |
| 2-2100082          | 2           | NSSS and Turbine Generator Acceptance Run                              |
| 2-2100083          | 0           | Preoperational Test of the Turbine Lube Oil Purification System        |
| 2-2100084          | 1           | Turbine Gland Steam Sealing System                                     |
| 2-2100085          | 0           | Turbine Lube Oil Flush                                                 |
| 2-2100086          | 1           | Initial Turbine Roll                                                   |
| 2-2100087          | 1           | Turbine Overspeed Trip Test                                            |
| 2-2100088          | 0           | Electro-Hydraulic (Control Oil System)                                 |
| 2-2100089          | 0           | Generator Trip at 100% Power                                           |

NOV 17 1983

Page 14 of 15  
November 1983ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

| <u>PROCEDURE #</u> | <u>REV.</u> | <u>TITLE</u>                                                                                                                                                                                         |
|--------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2-2100091          | 0           | Loss of Off-Site Power                                                                                                                                                                               |
| 2-2200080          | 0           | 2A Diesel Gen. and Auxiliary Systems Preoperational Test                                                                                                                                             |
| 2-2200081          | 0           | Automatic Starting and Sequencing of 2A Diesel Generator for Cold Hydro                                                                                                                              |
| 2-2200082          | 1           | Initial Operation of the 2A Diesel Generator Air Start System                                                                                                                                        |
| 2-2200083          | 0           | 2B Diesel Generator and Auxiliary System Preoperational Test                                                                                                                                         |
| 2-2200084          | 0           | Automatic Starting and Sequencing of 2B                                                                                                                                                              |
| 2-2200085          | 1           | Initial Operation of the 2B Diesel Generator Air Start System                                                                                                                                        |
| 2-2200086          | 1           | Diesel Oil Transfer System Functional Test                                                                                                                                                           |
| 2-2200087          | 0           | No. 1A Diesel Generator Supply Power for the Safety Related Loads on No. 2 Units 4.16KV Bus 2A-3 - No. 2A Diesel Generator Supply Power for the Safety Related Loads on No. 1 Units 4.16KV Bus 1A-3  |
| 2-2200088          | 1           | No. 1 Diesel Generator Supplying Power for the Safety Related Loads on No. 2 Units 4.16KV Bus 2B-3 - No. 2B Diesel Generator Supply Power for the Safety Related Loads on No. 1 Units 4.16KV Bus 1B3 |
| 2-3200089          | 0           | RCS Delta T Power Determination                                                                                                                                                                      |
| 2-3300081          | 1           | Radiation Shielding Evaluation                                                                                                                                                                       |
| 2-3400081          | 0           | Chemical and Radio Chemical Analysis 200°F, 532°F, Startup Mode, 20, 50, 80 & 100% Power                                                                                                             |
| 2-3400083          | 0           | Hot Functional Chemistry Control                                                                                                                                                                     |
| 2-3400085          | 0           | Preoperational Test of the Polar Crane                                                                                                                                                               |

ST. LUCIE UNIT 2  
PREOPERATIONAL TEST PROCEDURES INDEX

NOV 17 1983

| <u>URE #</u> | <u>REV.</u> | <u>TITLE</u>                                                               |
|--------------|-------------|----------------------------------------------------------------------------|
| -3400086A    | 1           | Security System Microwave Preoperational and Functional Test               |
| * 2-3400086B | 0           | Security System Preoperational and Functional Test                         |
| * 2-3400086C | 0           | Security System Fixed CCTV Preoperational and Functional Test              |
| * 2-3400086F | 0           | Security System Alarmed Doors Preoperational and Functional Test           |
| * 2-3400086G | 0           | Security System Supervised Device Input Preoperational and Functional Test |
| * 2-3400086H | 0           | Security System Integrated Perimeter Preoperational Test                   |
| 2-3400088    | 0           | Preoperational Test of Miscellaneous Lifting Equipment                     |

\* Need to stamp SAFEGUARDS. Also send out in double envelope.