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SUBJECT: Forwards startup rept for Turkey Points Units 3 & 4 IAW TS 6.9.1.1 which consists of changes to allow operation at core thermal power level of 2300 MWt.

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10 CFR 50.36

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Uprated Startup Report

By letter dated September 26, 1996, the NRC issued Amendment 191 to Facility Operating License No. DPR-31 for Turkey Point Unit 3 and Amendment 185 to Facility Operating License No. DPR-41 for Turkey Point Unit 4. The amendments consisted of changes to the Technical Specifications to allow operation at a core thermal power level of 2300 MWt. In accordance with Technical Specification 6.9.1.1, the attached Startup Report is provided for Turkey Point Units 3 and 4.

Should there be any questions, please contact us.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

JAH

Attachments

cc: L. A. Reyes, Regional Administrator, Region II, USNRC
T. P. Johnson, Senior Resident Inspector, USNRC, Turkey Point Plant

1/1

IE26

TURKEY POINT UNIT 3 POWER ASCENSION REPORT FOLLOWING THERMAL POWER UPRATE

In October 1996 the process of uprating Turkey Point Unit 3 from a core power level of 2200 MWt to 2300 MWt commenced. The sections to follow will describe the core design and cycle burnup, process of implementing the Thermal Power Uprate, the Power Ascension Monitoring Program, and the core operating parameters.

Core Design and Cycle Burnup

Unit 3 Cycle 15 startup was performed on October 8, 1995. Cycle 15 loaded 157 Westinghouse debris resistant optimized fuel assemblies. Sixty of the fuel assemblies were new. These new assemblies are all debris resistant fuel assemblies (DRFA) and all contain a nominal 6 inch axial blanket of natural UO_2 pellets at both the top and the bottom of the fuel stacks. The core design is loaded as a low leakage pattern.

Cycle 15 had operated for approximately 344 Effective Full Power Days (EFPD) at 2200 MWt prior to increasing power to 2300 MWt. The fuel reliability indicator confirmed no fuel failures for this cycle.

Thermal Power Uprate Implementation

Two test procedures were used to implement the Thermal Power Uprate. These procedures were TP-96-067, Uprate Power Thermal Performance Data Collection (Reference 1) and TP-96-071, Implementation of Unit 3 Thermal Power Uprate (Reference 2). TP-96-067 provided the minimum data collection requirements to determine the Unit power output prior to and after implementation of the Thermal Power Uprate. The data collected by this procedure was used to calculate the corrected gross generator electrical output and to perform equipment evaluations as needed. TP-96-071 was written to (a) provide instructions for controlling the reactor core thermal power uprate, (b) ensure that baseline and uprated plant parameter data were collected in order to quantify the increase in plant gross power output, and (c) to establish a controlled and logical method to implement the setpoint, scaling and plant computer changes.

TP-96-067 was initially performed to establish baseline data at 2200 MWt. Data gathered during this test included condenser backpressure, condenser waterbox inlet temperature, steam header pressure, feedwater heater shell pressure, moisture separator reheater (MSR) inlet pressure, MSR outlet temperature, feedwater heater levels and generator hydrogen pressure.

Following this baseline testing, setpoint and scaling changes were implemented. These changes included reactor coolant T-average, reactor coolant ΔT's, Turbine First Stage Pressure, intermediate range nuclear instrumentation, and rod insertion limits. Changes to the plant computer included Calorimetrics, Heat Rate, Secondary Monitoring program, and the Xenon poison code constants. The Unit 3 Relaxed Axial Offset Control (RAOC) band did not change as a result of the Thermal Power Uprate. In the process of rescaling the first stage turbine pressure values, T-average was reduced by boration from 574.2 °F to approximately 572.8 °F, with the power level indicating 95.5% of 2300 MWt.

Power Ascension Monitoring Program

During the ascension to the uprated power level, FPL established two teams to monitor plant operation. One team monitored the secondary side of the plant including turbine controls, turbine vibration, feedwater heater levels, generator hydrogen pressure and other pertinent operating parameters. The second team monitored the primary side performance which included core operating parameters such as Calorimetric Power, T-average, T-reference, ΔT, Nuclear Instrumentation System (NIS) intermediate range detector currents, power range detectors power, core axial flux differences, Core Exit Thermocouple Temperatures and Xenon Predictions. These parameters were compared with predictions generated by FPL. The predictions generated were based on the current core design, burnup, power history and the proposed power maneuvering scheme.

At the time of initial power ascension, the control rods were at the "All Rods Out" position (228 steps withdrawn), average axial flux difference was -2.28%, T-average was 572.2 °F and reactor power was approximately 95.3% of 2300 MWt. Power Ascension was performed by and slowly increasing generator load by no more than 6 MWe (approximately 0.9% of Reactor Power). T-average and T-reference were matched by dilution prior to the next power ascension ramp. After each ramp, the unit was maintained stable for 1 hour.

Following power ascension to 2300 MWt, xenon was allowed to stabilize and the predicted xenon concentration (from the plant computer) was compared and validated with the predicted xenon concentration from the design value. Prior to inducing a xenon oscillation, a full core flux map was performed to establish baseline data at the uprated power level. A xenon oscillation was performed in accordance with 0-OP-059.3, Inducing Xenon Oscillations to Produce Incore Axial Offsets, in order to calibrate the power range detectors. Multiple partial core flux maps were performed during the xenon oscillation. Using the data from the flux maps, normalized power range detector currents, K-values for Digital Data Processing System (DDPS) operation, Eagle-21 G-scale factors and 100% delta-T values were derived and input into the protection logic.

Operating Parameters

Following the power uprate, the Heat Flux Hot Channel Factor (F_Q) design limit was increased from 2.32 to 2.35 and the Nuclear Enthalpy Rise Hot Channel Factor ($F_{\Delta H}$) design limit was increased from 1.62 to 1.64. These revised values were transmitted to the NRC in the Core Operating Limits Report (L-96-262). Figures 1 and 2 plot the peaking factors (as determined from the flux map and INCORE® code predictions) as a function of burnup. The measured F_Q continues to trend within the 5% band around the design limit. The measured $F_{\Delta H}$ continues to trend within the 4% band around the design limit.

Critical Boron Concentration versus cycle exposure is provided in Figure 3. As of the end of November, the critical boron concentration is trending slightly higher than the predicted design boron concentration and has improved to within 139 pcm of design.

The results of uprating can be observed by comparing the last full core flux map before uprating (FM31515) performed on 9/23/96 and the first full core flux map (FM31516) performed on 10/14/96 after uprating. Upon comparing the core average axial offset before and after the uprate, more power is observed in the bottom of the core. Upon comparing F_Q before and after the uprate an increase of 1.1% is observed. In comparison, the maximum value for $F_{\Delta H}$ were approximately the same.

The flux map (FM31518) performed on December 11, 1996, indicated a core average axial offset of approximately -2.3%, and acceptable peaking factors.

Summary

The uprate of Turkey Point Unit 3 was performed during the middle of cycle operation. Surveillances such as Power Range Nuclear Instrumentation Calculation of Target Flux Differences, Peaking Factor Verification, Calorimetric Verification, Quadrant Power Tilt Ratio, and Reactivity Deviations from Design Calculations, have trended well with design predictions. 2300 MWt core power baseline data was established, fuel reliability continues to indicate zero fuel failures and no plant operational anomalies have been observed. Therefore, acceptable core performance has been demonstrated as a result of the thermal power uprate of Turkey Point Unit 3.

TURKEY POINT UNIT 4 POWER ASCENSION REPORT FOLLOWING THERMAL POWER UPRATE

In October 1996 the process of uprating Turkey Point Unit 4 from a core power level of 2200 MWt to 2300 MWt commenced. The sections to follow will describe the core design and cycle burnup, process of implementing the Thermal Power Uprate, the Power Ascension Monitoring Program and the core operating parameters.

Core Design and Cycle Burnup

Unit 4 Cycle 16 startup was performed on April 9, 1996. Cycle 16 loaded 157 Westinghouse debris resistant optimized fuel assemblies. Sixty-four of the fuel assemblies were new. These new assemblies are all debris resistant fuel assemblies (DRFA) and all contain a nominal 6 inch axial blanket of natural UO_2 pellets at both the top and the bottom of the fuel stacks. The core design is loaded as a low leakage pattern.

Cycle 16 had operated for approximately 191 Effective Full Power Days (EFPD) at 2200 MWt prior to increasing power to 2300 MWt. The fuel reliability indicator confirmed no fuel failures for this cycle.

Thermal Power Uprate Implementation

Two test procedures were used to implement the Thermal Power Uprate. These procedures were TP-96-082, Uprate Power Thermal Performance Data Collection (Reference 5) and TP-96-072, Implementation of Unit 4 Thermal Power Uprate (Reference 3). TP-96-082 provided the minimum data collection requirements to determine the Unit power output prior to and after implementation of the Thermal Power Uprate. The data collected by this procedure was used to calculate the corrected gross generator electrical output and to perform equipment evaluations as needed. TP-96-072 was written to (a) provide instructions for controlling the reactor core thermal power uprate, (b) ensure that baseline and uprated plant parameter data were collected in order to quantify the increase in plant gross power output, and (c) to establish a controlled and logical method to implement the setpoint, scaling and plant computer changes.

TP-96-082 was initially performed to establish baseline data at 2200 MWt. Data gathered during this test included condenser backpressure, condenser waterbox inlet temperature, steam header pressure, feedwater heater shell pressure, moisture separator reheater (MSR) inlet pressure, MSR outlet temperature, feedwater heater levels and generator hydrogen pressure.

Following this baseline testing, setpoint and scaling changes were implemented. These changes included reactor coolant T-average, reactor coolant ΔT's, Turbine First Stage Pressure, intermediate range nuclear instrumentation, and rod insertion limits. Changes to the plant computer included Calorimetrics, Heat Rate, Secondary Monitoring program, and the Xenon poison code constants. The Unit 4 Relaxed Axial Offset Control (RAOC) band did change as a result of the Thermal Power Uprate. In the process of rescaling the first stage turbine pressure values, T-average was reduced by boration from 574.2 °F to approximately 572.8 °F, with the power level indicating 95.5% of 2300 MWt.

Power Ascension Monitoring Program

During the ascension to the uprated power level, FPL established two teams to monitor plant operation. One team monitored the secondary side of the plant including turbine controls, turbine vibration, feedwater heater levels, generator hydrogen pressure and other pertinent operating parameters. The second team monitored the primary side performance which included core operating parameters such as Calorimetric Power, T-average, T-reference, ΔT, NIS Intermediate range detector currents, power range detectors power, core axial flux differences, Core Exit Thermocouple Temperatures and Xenon Predictions. These parameters were compared with predictions generated by FPL. The predictions generated were based on the current core design, burnup, power history and the proposed power maneuvering scheme.

At the time of initial power ascension, the control rods were at the "All Rods Out" position (228 steps withdrawn), average axial flux difference was -0.90%, T-average was 572.6 °F and reactor power was approximately 95.5% of 2300 MWt. Power Ascension was performed by slowly increasing generator load by no more than 6 MWE (approximately 0.9% of Reactor Power). T-average and T-reference were matched by dilution prior to the next power ascension ramp. After each ramp, the unit was maintained stable for approximately 1 hour.

Following power ascension to 2300 MWt, xenon was allowed to stabilize and the predicted xenon concentration (from the plant computer) was compared and validated with the predicted xenon concentration from the design value. Prior to inducing a xenon oscillation, a full core flux map was performed to establish baseline data at the uprated power level. A xenon oscillation was performed in accordance with 0-OP-059.3, Inducing Xenon Oscillations to Produce Incore Axial Offsets, in order to calibrate the power range detectors. Multiple partial core flux maps were performed during the xenon oscillation. Using data from the flux maps, normalized power range detector currents, K-values for DDPS operation, Eagle-21 G-scale factors and 100% delta-T values were derived and input into the protection logic.

Operating Parameters

Following the power uprate, the Heat Flux Hot Channel Factor (F_Q) design limit was increased from 2.32 to 2.35 and the Nuclear Enthalpy Rise Hot Channel Factor ($F_{\Delta H}$) design limit was increased from 1.62 to 1.64. These revised values were transmitted to the NRC in the Core Operating Limits Report (L-96-278). Figures 4 and 5 plot the peaking factors (as determined from the flux map and INCORE® code predictions) as a function of burnup. The measured F_Q continues to trend within the 5% band around the design limit. The measured $F_{\Delta H}$ continues to trend within the 4% band around the design limit.

Critical Boron Concentration versus cycle exposure is provided in Figure 6. As of the end of November, the critical boron concentration is trending slightly higher than the predicted design boron concentration but remains within 59 pcm of design.

The results of uprating can be observed by comparing the last full core flux map before uprating (FM41610) performed on 10/11/96 and the first full core flux map (FM41611) performed on 11/4/96 after uprating. Upon comparing the core average axial offset before and after the uprate, more power is observed in the bottom of the core. Upon comparing F_Q before and after the uprate a small decrease was observed. In comparison, the maximum value for $F_{\Delta H}$ were essentially the same.

The flux map (FM41612) performed on December 5, 1996, indicated a core average axial offset of approximately -1.6%, and acceptable peaking factors.

Summary

The uprate of Turkey Point Unit 4 was performed during the middle of cycle operation. Surveillances such as Power Range Nuclear Instrumentation Calculation of Target Flux Differences, Peaking Factor Verification, Calorimetric Verification, Quadrant Power Tilt Ratio, and Reactivity Deviations from Design Calculations, have trended well with design predictions. 2300 MWt core power baseline data was established, fuel reliability continues to indicate zero fuel failures and no plant operational anomalies have been observed. Therefore, acceptable core performance has been demonstrated as a result of the thermal power uprate of Turkey Point Unit 4.

DISCUSSION

The requirements as addressed in TS 6.9.1.1 refer to a "typical" startup report as written following a return from a refueling outage. Typically such a testing program is performed in accordance with the guidelines of ANSI/ANS 19.6.1, Reload Startup Physics Tests for Pressurized Water Reactors (Reference 4). The type of testing typically performed at startup includes tests to validate measured versus predicted values for the Boron Endpoint, Rod Worth of the most reactive Bank, Hot Zero Power Differential Boron Worth, and Isothermal and Moderator Temperature Coefficient. The uprate of both Turkey Point Units 3 and 4 was performed during the middle of cycle operation, with no shutdown, therefore, these startup tests were not necessary and could not be performed during the ascension to the uprated power level.

REFERENCES

1. TP-96-067, Uprate Power Thermal Performance Data Collection procedure (Unit 3).

2. TP-96-071, Implementation of Unit 3 Thermal Power Uprate procedure.

3. TP-96-072, Implementation of Unit 4 Thermal Power Uprate procedure.

4. ANSI/ANS 19.6.1, Revision 0, Reload Startup Physics Tests for Pressurized Water Reactors, dated December 13, 1985.

5. TP-96-082, Uprate Power Thermal Performance Data Collection procedure (Unit 4).

ATTACHMENT 2

MEASURED CORE OPERATING PARAMETERS

TURKEY POINT UNITS 3 AND 4

Figure 1

UNIT 3 CYCLE 15

Peak Fq vs Exposure

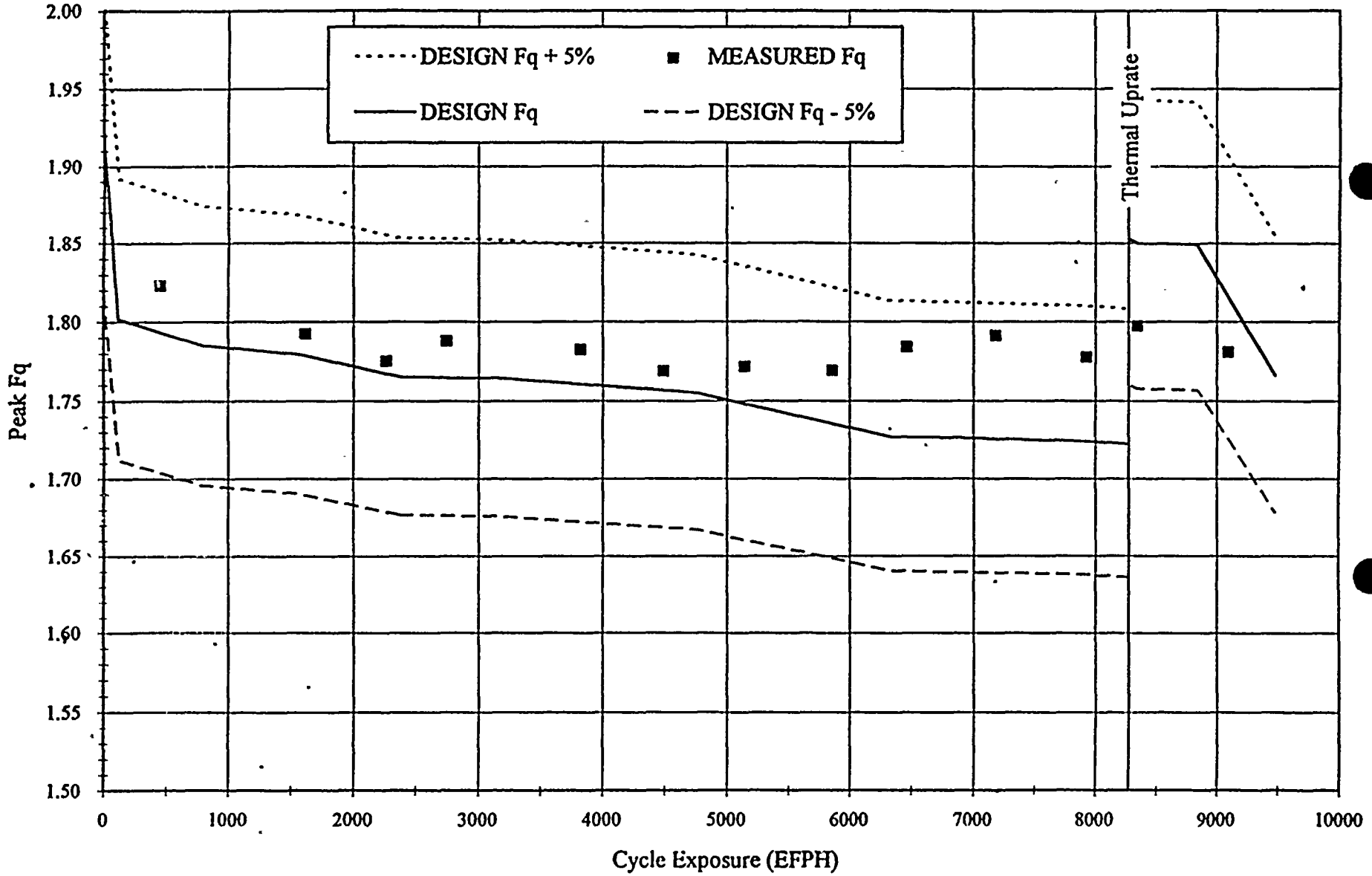


Figure 2

UNIT 3 CYCLE 15
Normalized Peak FdH vs Exposure

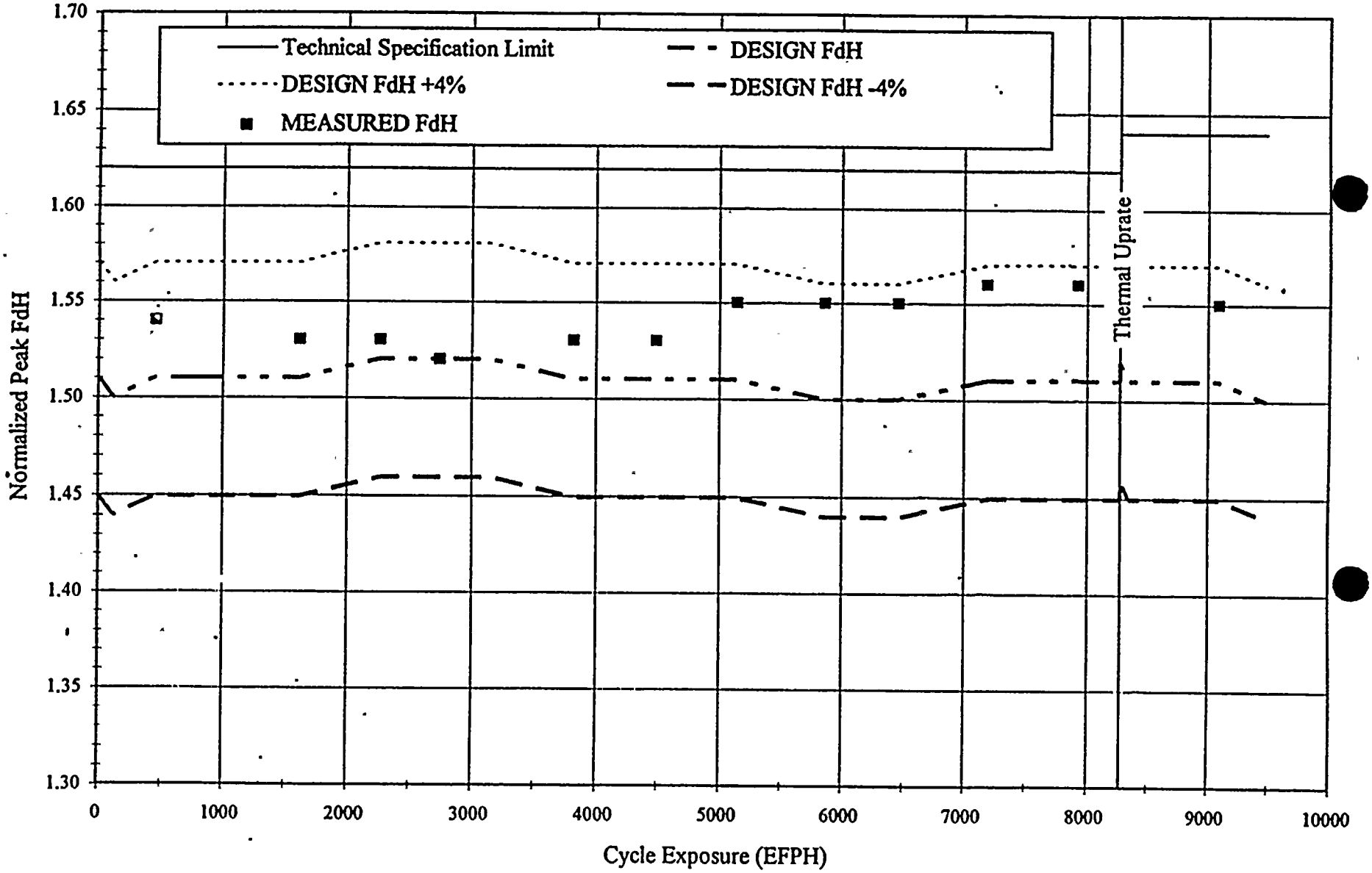


Figure 3

UNIT 3 CYCLE 15

Critical Boron Concentration vs Exposure

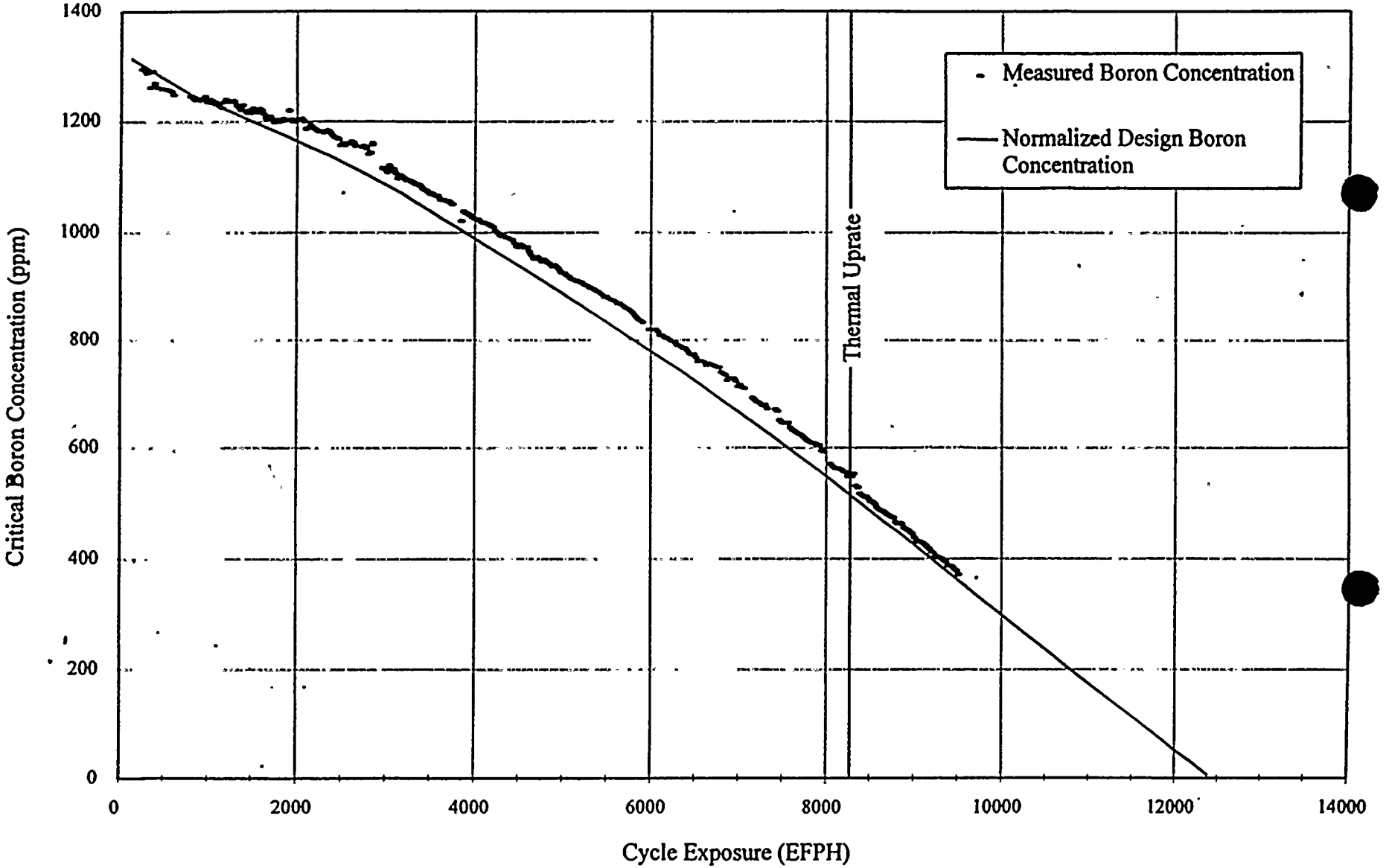


Figure 4

UNIT 4 - CYCLE 16

Peak Fq vs Exposure

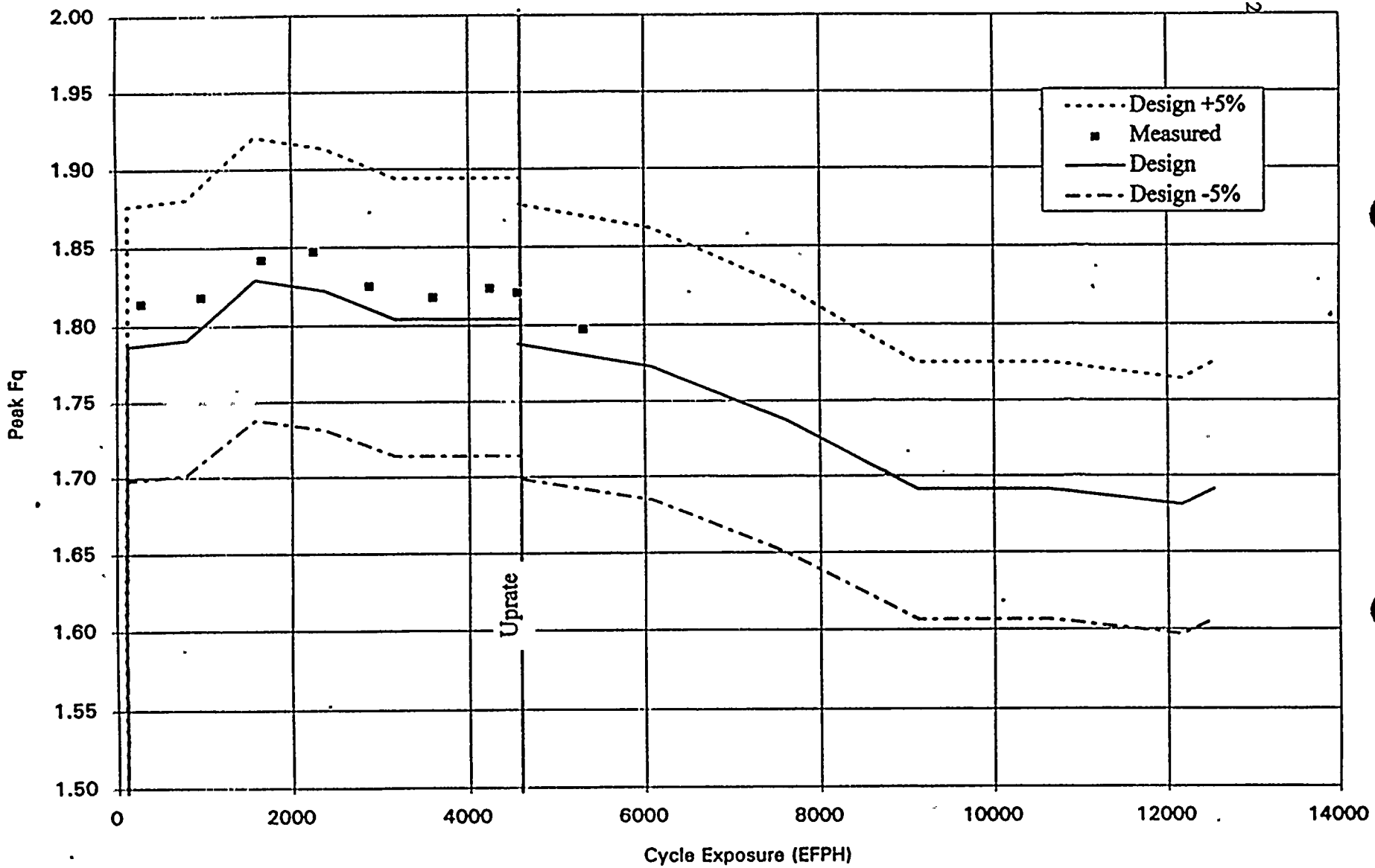


Figure 5

UNIT 4 - CYCLE 16

Normalized Peak FdH vs Exposure

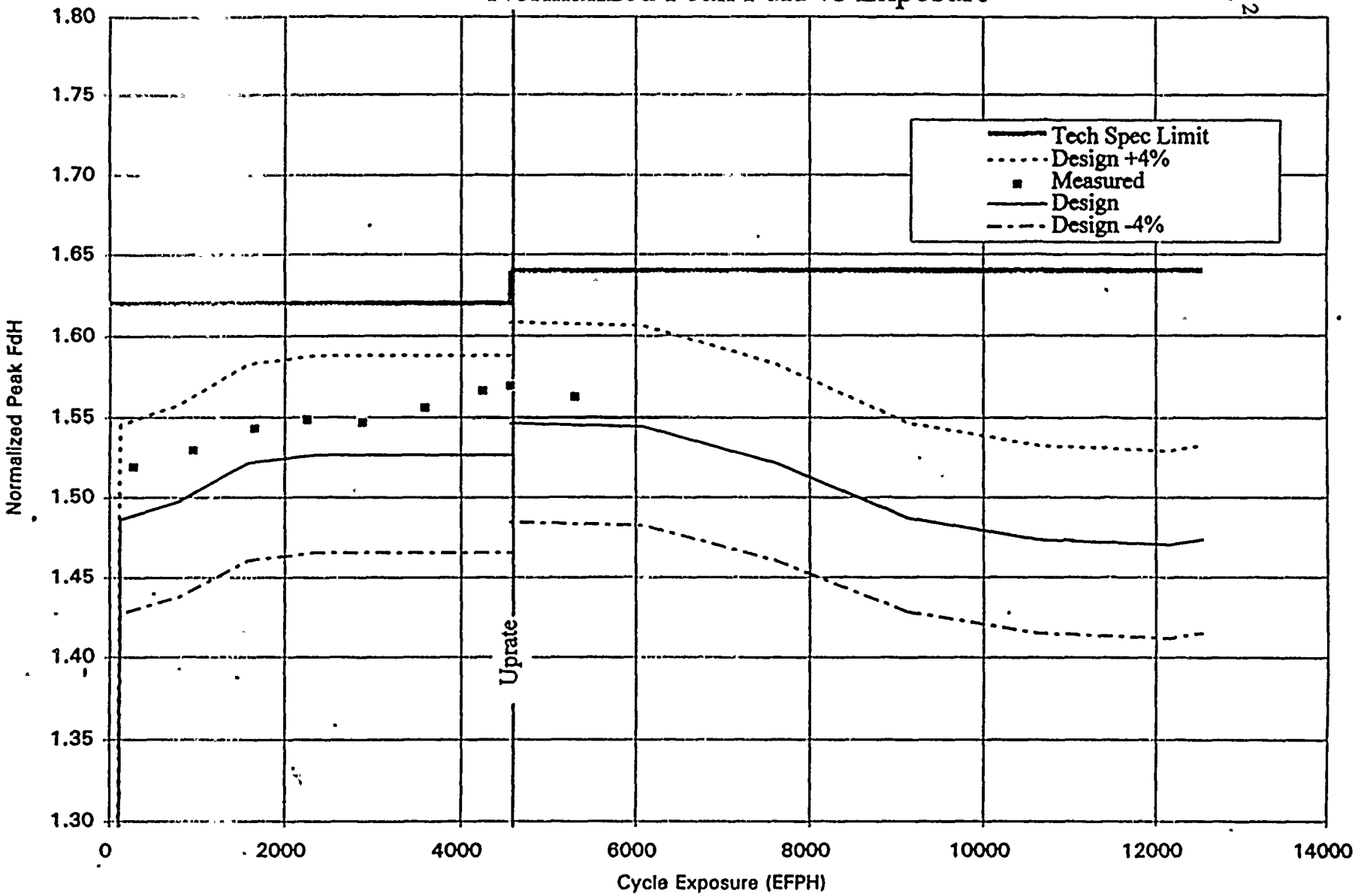
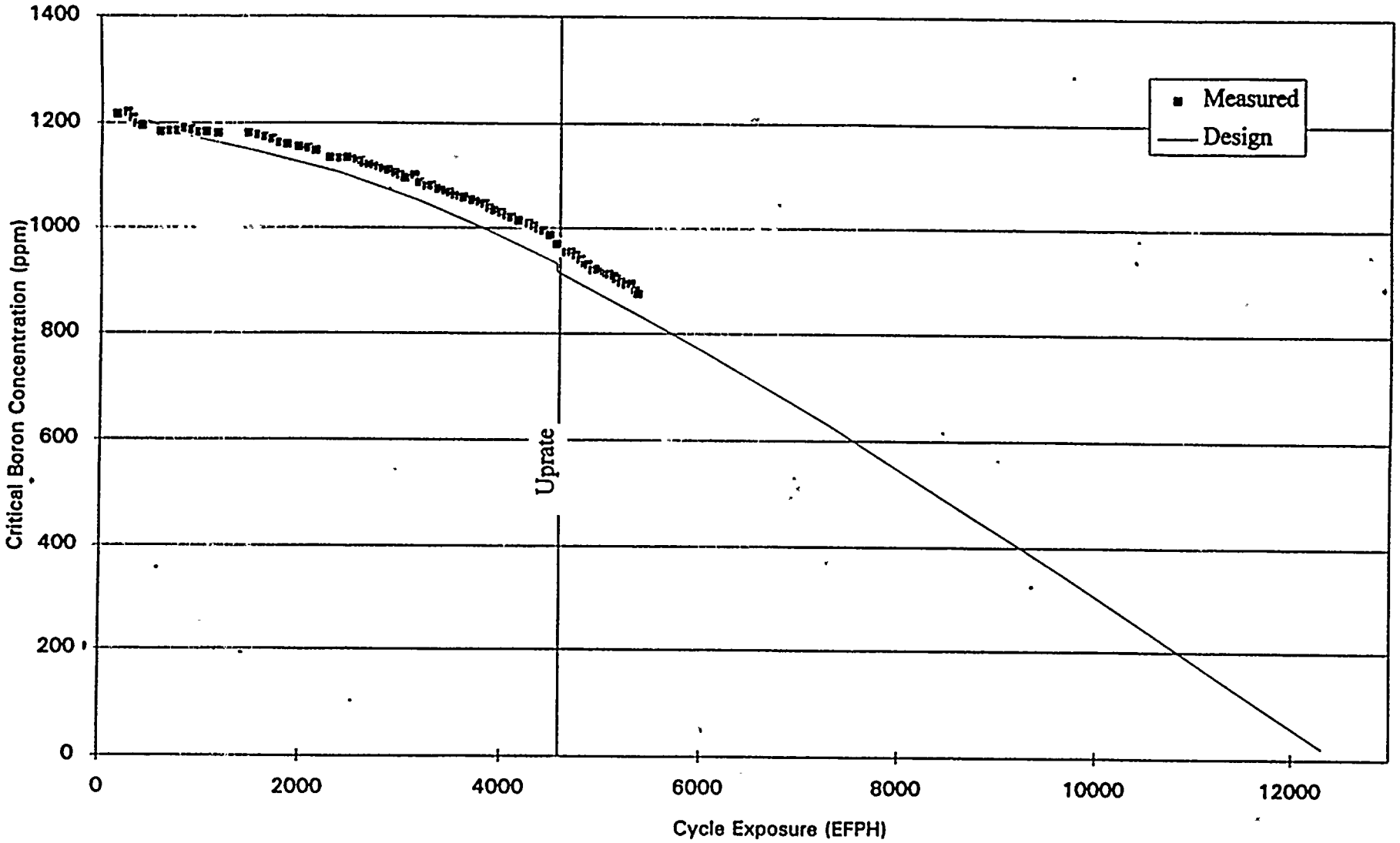


Figure 6

UNIT 4 - CYCLE 16

Critical Boron vs. Exposure



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L-2000-076
10 CFR 50.36

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Unit 3
Docket No. 50-250
Core Operating Limits Report

By letter dated October 12, 1994, the NRC issued Amendment 167 to Facility Operating License No. DPR-31 for Turkey Point Unit 3. The amendment consisted of changes to the Technical Specifications to relocate certain cycle-specific parameter limits from the Technical Specifications to a Core Operating Limits Report (COLR). In accordance with Technical Specification 6.9.1.7, the attached COLR is provided for Turkey Point Unit 3. These curves are applicable for Unit 3 Cycle 18.

Should there be any questions, please contact us.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

OIH

Attachment

cc: Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant

CORE OPERATING LIMITS REPORT UNIT 3 CYCLE 18

The Technical Specifications (TS) affected by this report are:

3.1.3.2 Analog Rod Position Indication System
3.1.3.6 Control Rod Insertion Limits
3.2.1 Axial Flux Difference (AFD)
3.2.2 Heat Flux Hot Channel Factor - $F_Q(Z)$
3.2.3 Nuclear Enthalpy Rise Hot Channel Factor - $F_{\Delta H}$

The Control Rod Insertion Limits, AFD, $F_Q(Z)$, K(Z), and $F_{\Delta H}$ have been developed using the NRC approved methodology specified in Technical Specification 6.9.1.7.

TS 3.1.3.2 Analog Rod Position Indication System

The All Rods Out position for all Shutdown Banks and Control Banks is defined to be 230 steps withdrawn.

TS 3.1.3.6 Control Rod Insertion Limits

The control rod banks shall be limited in physical insertion as shown on page 2 for All Rods Out = 230 steps withdrawn.

TS 3.2.1 Axial Flux Difference

The AFD limits are provided on page 3.

TS 3.2.2 Heat Flux Hot Channel Factor - $F_Q(Z)$

$[F_Q]^L = 2.50$

$K(Z) = 1.0$ for 0 ft. $\leq z \leq$ 12 ft. where z = core height.

TS 3.2.3 Nuclear Enthalpy Rise Hot Channel Factor

$F_{\Delta H}^{RTP} = 1.70$

$PF_{\Delta H} = 0.3$

Figure A1
Turkey Point Unit 3 - Cycle 18 Rod Insertion Limit vs Thermal Power
ARO = 230 Steps Withdrawn, Overlap = 102 Steps

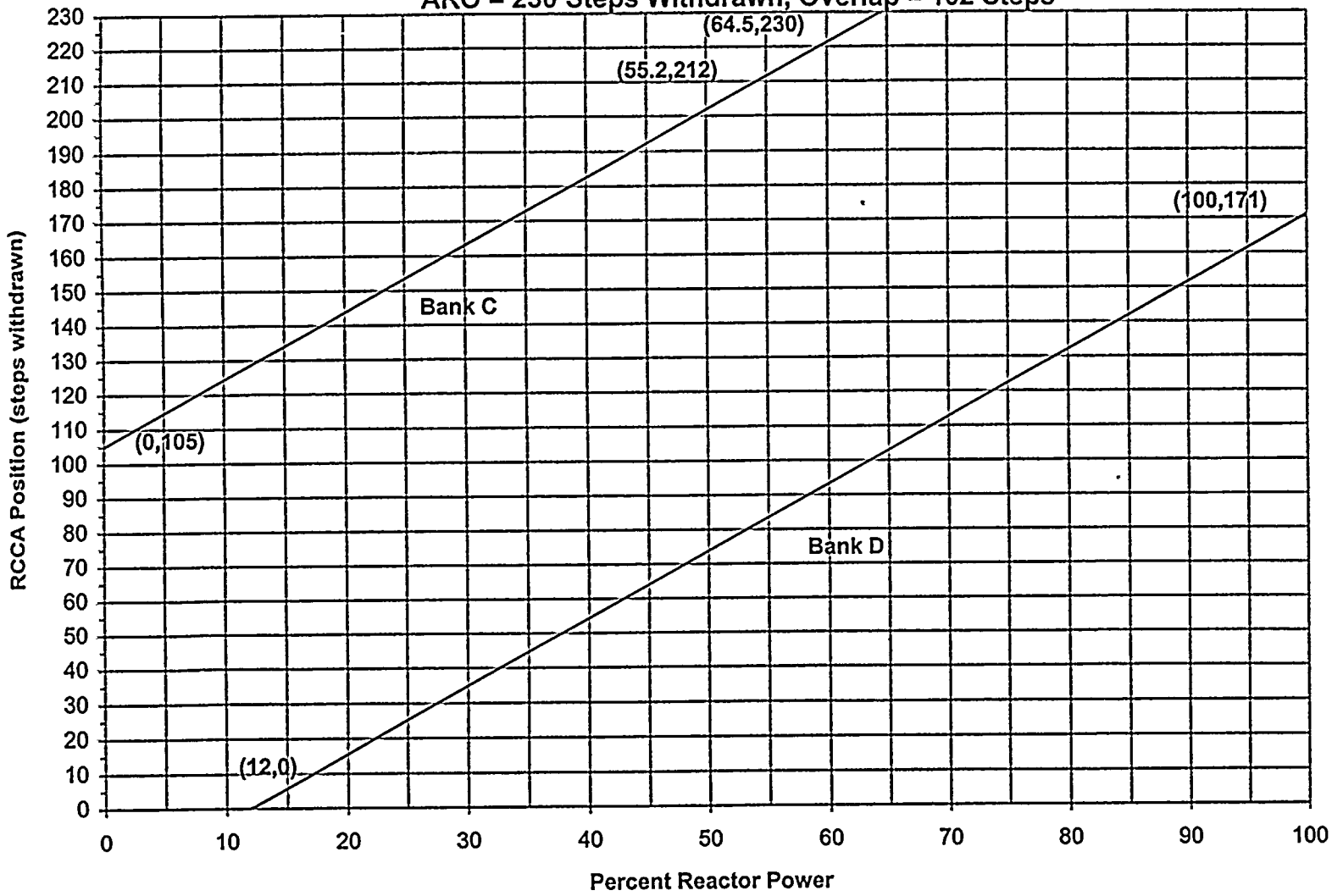
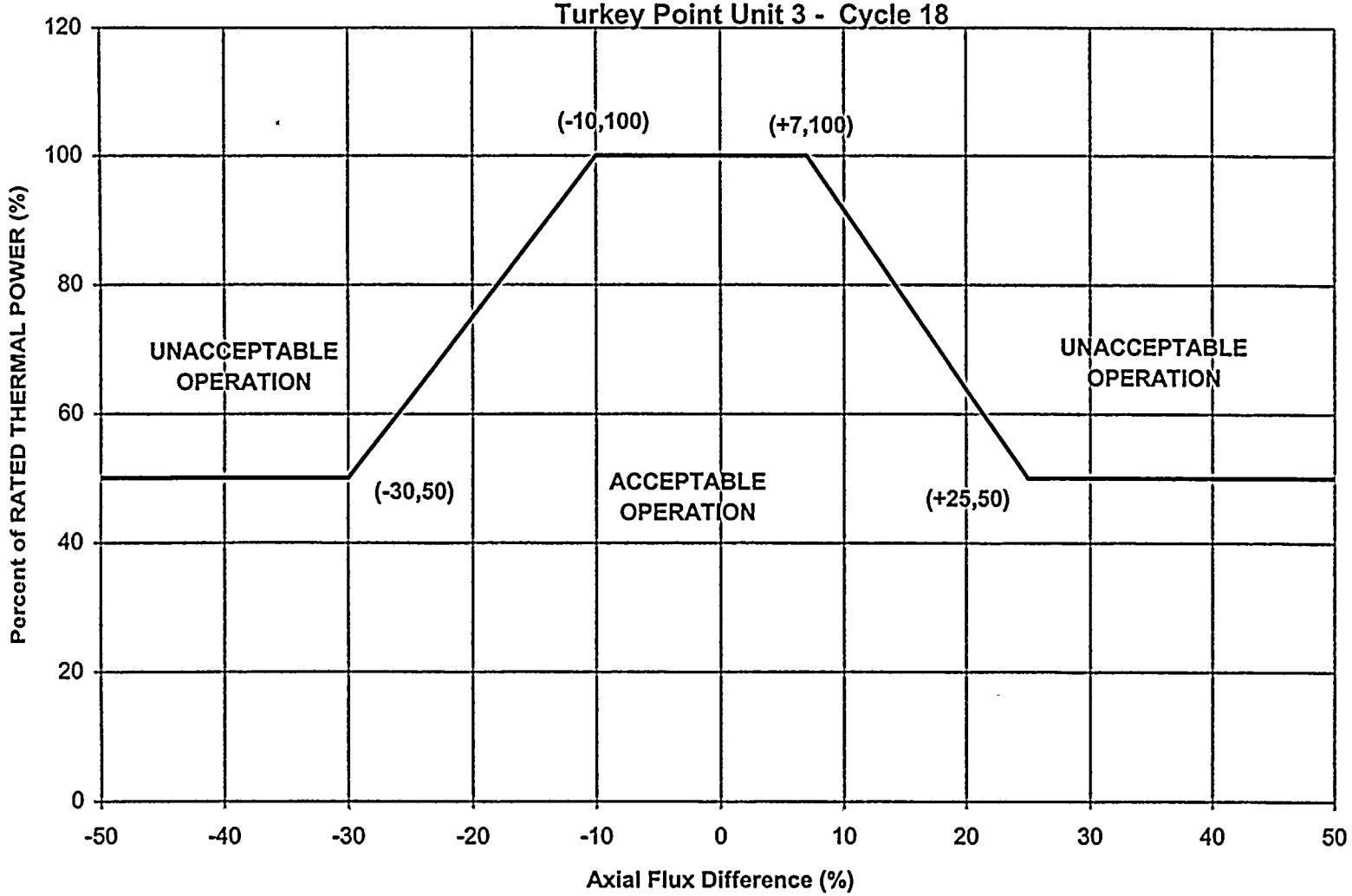


Figure A2
Axial Flux Difference as a Function of Rated Thermal Power
Turkey Point Unit 3 - Cycle 18



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Docket: 05000251

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L-2000-031
10 CFR 50.54(q)
10 CFR 50 Appendix E
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U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Plan Revision 36

The Turkey Point Radiological Emergency Plan has been revised. Enclosed please find a summary of changes for the revised document. The implementation date for the revised plan was February 4, 2000.

Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, a copy of Revision 36 of the Emergency Plan is enclosed. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Revision 36 does involve a change of commitment. Pursuant to Federal Register Notice RIN 3150-AF63 (64FR14814, posted 3/29/99, corrected by 64FR17497, posted 4/13/99), Turkey Point is changing the frequency of the independent audit required by 10 CFR 50.54(t), from every 12 months to that specified by 64FR14814. In accordance with NEI 1995 Guideline for Managing Commitments, this letter provides notification of the change of commitment.

Very truly yours,

T. F. Plunkett
President
Nuclear Division

CLM

Enclosure

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

003686947

A045

Changes Document for Revision 36

This document provides a review of the changes incorporated into Revision 36 of the Turkey Point Radiological Emergency Plan. There were no areas of reduced effectiveness identified in this revision.

Changes:

Page 7-11 Change to the Emergency Preparedness audit frequency.

The NRC is amending its regulation to allow Nuclear power reactor licensees the option to change the frequency of licensees' independent review and audits of their emergency preparedness programs. The amendment allows nuclear power reactor licensees to elect 12 months as is currently required, or as necessary, based on an assessment by the licensee against performance indicators, and as soon as reasonably practicable after a change occurs in personnel, procedure, equipment, or facilities that potentially could adversely affect the emergency preparedness program, but no longer than 12 months after the change. In any case, each element on the emergency preparedness program must be reviewed at least every 24 months.

Page B-1 Updated Letters of agreements for emergency support per section 7.5. The following is a list of the updated support letters incorporated into Revision 36:

Department of Energy, Oak Ridge Operations Office dated December 16, 1999
Department of Energy, Savannah River Operation Office dated November 24, 1999
Metropolitan Dade County, Fire Rescue Department dated December 16, 1999
South Florida Department of Highway Safety and Motor Vehicles dated November 10, 1999
Framatome Technologies dated November 10, 1999
Monroe County Sheriff dated November 10, 1999
Commander Seventh Coast Guard District dated November 22, 1999
Bechtel Power Corporation dated December 13, 1999

CURRENT:

7.3.5 **Audits**

An independent audit of emergency preparedness will be performed by the FPL Quality Assurance Department at least every 12 months. Audits will verify compliance with federal regulations to include evaluation of the adequacy of interfaces with State and Local governments, and of drills, exercises, capabilities, and procedures.

Plant management, Protection Services Manager, Manager, Plant Services (Juno), and the President, Nuclear Division will receive audit reports. Corrective actions, as delineated in the Quality assurance Manual, will be assigned.

The audit findings will be retained for a minimum of 5 years.

CHANGE TO READ:

7.3.5 **Audits**

The FPL Quality Assurance Department will perform an independent audit of the emergency preparedness program. The audits will verify compliance with federal regulations to include evaluation of the adequacy of the interfaces with State and Local governments, and of drills, exercises, capabilities, and procedures. This audit shall be conducted either:

1. At least every 12 months, or

2. As necessary, based on an assessment against performance indicators, and as soon as reasonably practicable after a change occurs in personnel, procedures, equipment, or facilities that potentially could adversely affect emergency preparedness, but no longer than 12 months after the change. In any case, all elements of the emergency preparedness program must be reviewed once every 24 months.

The part of the review involving the evaluation for adequacy of interface with state and local governments must be available to the appropriate state and local governments.

Plant management, Protection Services Manager, Manager, Plant Services (Juno), and the President, Nuclear Division will receive audit reports. Corrective actions, as delineated in the Quality assurance Manual, will be assigned.

The audit findings shall be retained for minimum of 5 years.

Basis of change:

RIN 3150-AF63 (Federal Register Notice posted 3/29/99 Volume 64 Number 59)

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ID: 003705240:1

Subject:
Revised EPIP 0-EPIP-20106, "Natural Emergencies." Summary of changes included.

Body:
ADAMS DISTRIBUTION NOTIFICATION.

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A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Corre spondence

APR 24 2000

Docket: 05000250
Docket: 05000251

FPL

MAR 3 1 2000
L-2000-081
10 CFR 50.54(q)
10 CFR 50 Appendix E

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Plan Implementing Procedure Change

The following Emergency Plan Implementing Procedure has been revised: 0-EPIP-20106, "Natural Emergencies."

Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of the revised procedure is enclosed. A summary of changes to the procedure is attached. The implementation date for this procedure revision was March 16, 2000. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

CLM

Attachment, enclosure

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

00370 52440

A045

SUMMMARY OF CHANGES

0-EPIP-20106, Natural Emergencies

Changed/added positions and realigned responsibilities for new Emergency Response Organization structure.

- Changed TSC Mechanical, Electrical, and I & C Supervisors to OSC Mechanical, Electrical and I &C Coordinators. The responsibilities for these positions were previously reassigned to those in the OSC.

- Assigned OSC Supervisor and TSC Maintenance Manager duties in 0-EPIP-20106 to the OSC Manager.

- Deleted TSC Project Supervisor – responsibilities now assumed by OSC Manager.

Incorporated procedure enhancements for response to a hurricane, as identified in the critique of Hurricane Floyd. The changes clarify actions by Emergency Preparedness, Operations, and Electrical Departments.

Additional changes are as follows:

- Enclosure 2, Drain Plugs Location and Installation was revised to clearly identify all locations and sizes of drain plugs throughout the plant.

- Enclosure 3, Operation Guidelines for Category 5 Hurricane with Significant Flooding, step 3.1.2 was deleted since it is no longer applicable.

Distribution Sheet 3/23/00 See Reports

Priority: Normal

From: Stefanie Fountain

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Subject:
TURKEY POINT, UNITS 3 AND 4- SITE-SPECIFIC WORKSHEETS FOR USE IN THE NUCL EAR REGULATORY COMMISSION'S SIGNIFICANCE DETERMINATION PROCESS

Body:
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Docket: 05000250
Docket: 05000251

APR 05 2000

50-250

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 23, 2000

Mr. Thomas F. Plunkett
President - Nuclear Division
Florida Power and Light Company
P.O. Box 14000
Juno Beach, Florida 33408-0420

SUBJECT: TURKEY POINT PLANT, UNITS 3 AND 4 - SITE-SPECIFIC WORKSHEETS FOR USE IN THE NUCLEAR REGULATORY COMMISSION'S SIGNIFICANCE DETERMINATION PROCESS (TAC NO. MA6544)

Dear Mr. Plunkett:

The purpose of this letter is to provide you with one of the key implementation tools to be used by the U.S. Nuclear Regulatory Commission (NRC) in the revised reactor oversight process, which is currently expected to be implemented at Turkey Point Units 3 and 4 in April 2000. Included in the enclosed Risk-Informed Inspection Notebook are the Significance Determination Process (SDP) worksheets that inspectors will be using to risk-characterize inspection findings. The SDP worksheets were e-mailed to your staff on March 21, 2000, and the SDP is discussed in more detail below.

On January 8, 1999, the NRC staff described to the Commission plans and recommendations to improve the reactor oversight process in SECY-99-007, "Recommendations for Reactor Oversight Process Improvements." SECY-99-007 is available on the NRC's web site at www.nrc.gov/NRC/COMMISSION/SECYS/index.html. The new process, developed with stakeholder involvement, is designed around a risk-informed framework, which is intended to focus both the NRC's and licensee's attention and resources on those issues of more risk significance.

The performance assessment portion of the new process involves the use of both licensee-submitted performance indicator data and inspection findings that have been appropriately categorized based on their risk significance. In order to properly categorize an inspection finding, the NRC has developed the SDP. This process was described to the Commission in SECY-99-007A, "Recommendations for Reactor Oversight Process Improvements (Follow-up to SECY-99-007)," dated March 22, 1999, also available at the same NRC web site noted above.

The SDP for power operations involves evaluating an inspection finding's impact on the plant's capability to limit the frequency of initiating events; ensure the availability, reliability, and capability of mitigating systems; and ensure the integrity of the fuel cladding, reactor coolant system, and containment barriers. As described in SECY-99-007A, the SDP involves the use of three tables: Table 1 is the estimated likelihood for initiating event occurrence during the degraded period, Table 2 describes how the significance is determined based on remaining mitigation system capabilities, and Table 3 provides the bases for the failure probabilities associated with the remaining mitigation equipment and strategies.

As a result of the recently concluded Pilot Plant review effort, the NRC has determined that site-specific risk data is needed in order to provide a repeatable determination of the significance of an issue. Therefore, the NRC has contracted with Brookhaven National Lab (BNL) to develop site-specific worksheets to be used in the SDP review. These enclosed worksheets were developed based on your Individual Plant Examination (IPE) submittals that were requested by Generic Letter 88-20. The NRC plans to use this site-specific information in evaluating the significance of issues identified at your facility when the revised reactor oversight process is implemented industry wide. It is recognized that the IPE utilized during this effort may not contain current information. Therefore, the NRC or its contractor will conduct a site visit to discuss with your staff any changes that may be appropriate. Specific dates for the site visit have not been determined, but will be communicated to you in the near future. All site visits should be accomplished by June 2000. The NRC is not requesting a written response or comments on the enclosed worksheets developed by BNL.

We will coordinate our efforts through your licensing or risk organizations as appropriate. If you have any questions, please contact me at 301-415-1496.

Sincerely,

/RA/

Kahtan N. Jabbour, Senior Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-250 and 50-251

Enclosure: As Stated

cc w/encl: See next page

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As a result of the recently concluded Pilot Plant review effort, the NRC has determined that site-specific risk data is needed in order to provide a repeatable determination of the significance of an issue. Therefore, the NRC has contracted with Brookhaven National Lab (BNL) to develop site-specific worksheets to be used in the SDP review. These enclosed worksheets were developed based on your Individual Plant Examination (IPE) submittals that were requested by Generic Letter 88-20. The NRC plans to use this site-specific information in evaluating the significance of issues identified at your facility when the revised reactor oversight process is implemented industry wide. It is recognized that the IPE utilized during this effort may not contain current information. Therefore, the NRC or its contractor will conduct a site visit to discuss with your staff any changes that may be appropriate. Specific dates for the site visit have not been determined, but will be communicated to you in the near future. All site visits should be accomplished by June 2000. The NRC is not requesting a written response or comments on the enclosed worksheets developed by BNL.

We will coordinate our efforts through your licensing or risk organizations as appropriate. If you have any questions, please contact me at 301-415-1496.

Sincerely,

Kahtan N. Jabbour

Kahtan N. Jabbour, Senior Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-250 and 50-251

Enclosure: As Stated

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Turkey Point, Units 3 & 4, Emergency Plan Implementing Procedure Revis
ion. Document Date: 11/26/2001

Body:
ADAMS DISTRIBUTION NOTIFICATION.
A045 - OR Submittal: Emergency Preparedness Plans, Implementing Proced
ures, Correspondence

Title: Turkey Point, Units 3 & 4, Emergency Plan Implementing Procedur
e Revision.
Docket Number: 05000250
Docket Number: 05000251
Document Date: 11/26/2001
Author Name: McElwain J P
Author Affiliation: Florida Power & Light Co
Addressee Name:
Addressee Affiliation: NRC/Document Control Desk
Document Type: Emergency Preparedness-Emergency Plan Implementing Proc
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Document Type: Letter
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NOV 2 6 2001

L-2001-229
10 CFR 50.54(q)
10 CFR 50 Appendix E

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Plan Implementing Procedure Revision

The following document has been revised:

0-EPIP-20106, Natural Emergencies

The implementation date was November 4, 2001. Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of the revised document is enclosed. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Summary of Changes

Change the wording in shutdown guidelines (page 44), to match commitment document (L-90-338). The commitment document states, "Commence unit shutdown 2 hours prior to the projected onset of hurricane force winds at the site."

Very truly yours,

John P. McElwain
Vice President
Turkey Point Plant

CLM

Enclosure

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

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1/9/02

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Turkey Point, Units 3 and 4, Emergency Plan Implementing Procedure Revision to 0-EPIP -20106, "Natural Emergencies." Document Date: 10/30/2001

Body:
ADAMS DISTRIBUTION NOTIFICATION.
A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Corre spondence

Title: Turkey Point, Units 3 and 4, Emergency Plan Implementing Procedure Revision to 0 -EPIP-20106, "Natural Emergencies."
Docket Number: 05000250
Docket Number: 05000251
Document Date: 10/30/2001

Author Name: McElwain J P
Author Affiliation: Florida Power & Light Co
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Document Type: Emergency Preparedness-Emergency Plan Implementing Procedures
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OCT 3 0 2001

L-2001-242
10 CFR 50.54(q)
10 CFR 50 Appendix E

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Plan Implementing Procedure Revision

The following document has been revised:

0-EPIP-20106, Natural Emergencies

The implementation date was October 15, 2001. Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of the revised document is enclosed. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Summary of Changes

Added responsibilities for the Nuclear Information Systems Supervisor to ensure critical computer applications and data are backed up, replicated, or duplicated in a secure location prior to the onset of a hurricane.

Very truly yours,

John P. McElwain
Vice President
Turkey Point Plant

CLM

Enclosure

A045

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

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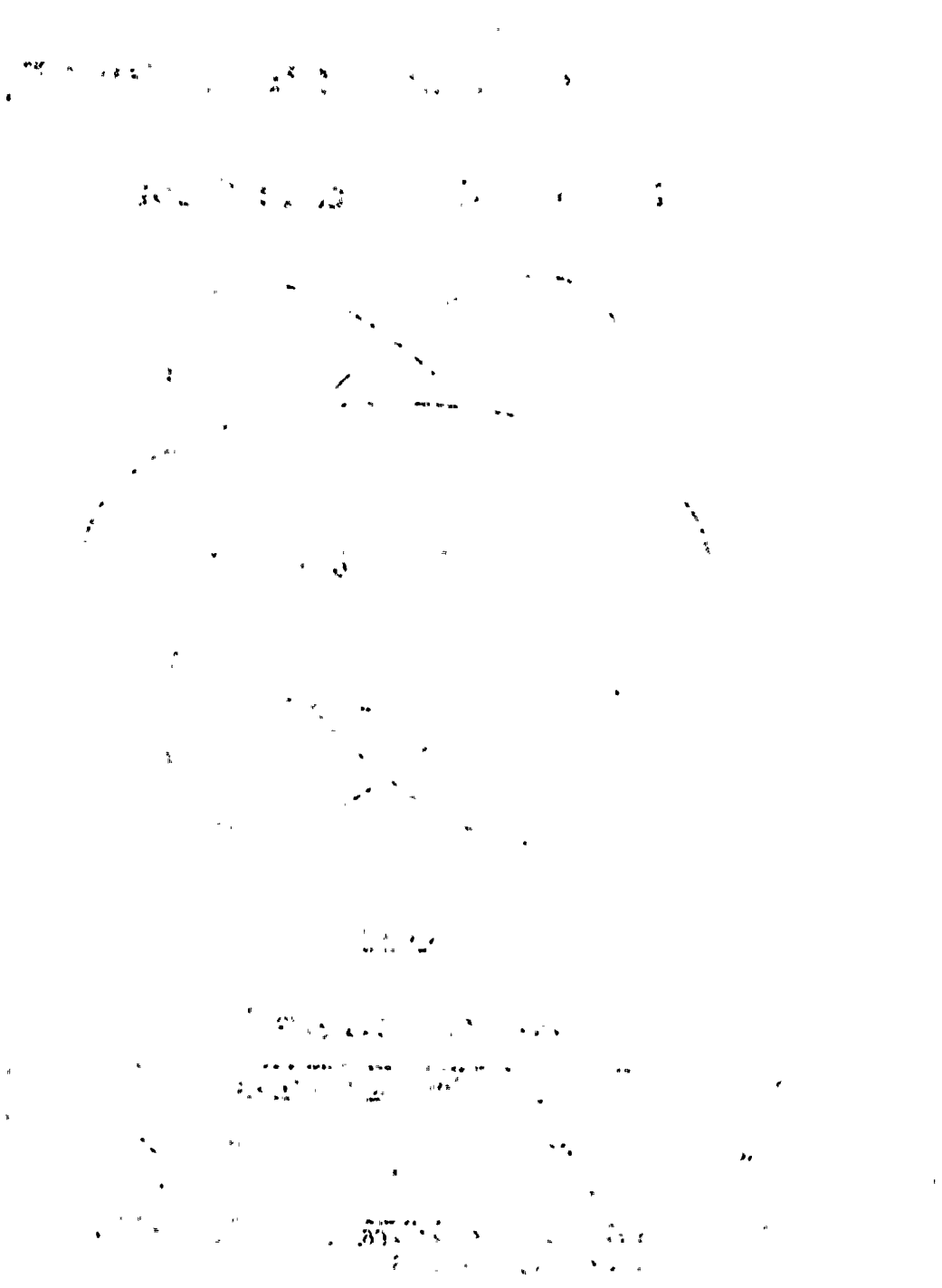

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Subject:
Turkey Point Units 3 & 4, Revision to 0-EPIP-20201, "Maintaining Emergency Preparednes s Radiological Emergency Plan Training." Document Date: 07/20/2001

Body:
ADAMS DISTRIBUTION NOTIFICATION.
A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Corre spondence

Title: Turkey Point Units 3 & 4, Revision to 0-EPIP-20201, "Maintaining Emergency Prepare dness Radiological Emergency Plan Training."
Docket Number: 05000250
Docket Number: 05000251
Document Date: 07/20/2001

Author Name: Hovey R J
Author Affiliation: Florida Power & Light Co
Addressee Name:
Addressee Affiliation: NRC/Document Control Desk
Document Type: Emergency Preparedness-Emergency Plan Implementing Procedures
Document Type: Letter
Availability: Publicly Available
Document Sensitivity: Non-Sensitive
Comment:

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JUL 2 0 2001

L-2001-168
10 CFR 50.54(q)
10 CFR 50 Appendix E

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Revision: Emergency Plan Implementing Procedure

The following document has been revised:

0-EPIP-20201, Maintaining Emergency Preparedness Radiological Emergency Plan Training

Implemented July 11, 2001

Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of the revised document is enclosed. A summary of changes to the document is attached. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

CLM

Attachment, enclosures

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

A045

ML012110213

SUMMMARY OF CHANGES

0-EPIP-20201, Maintaining Emergency Preparedness Radiological Emergency Plan Training

1. Delete reference to a TSC Fire Protection Supervisor position
2. Delete requirement for Control Room Communicators to have SAMG Implementor Training.
3. Add a legend to Enclosure 1 to identify the respirator qualification requirements.

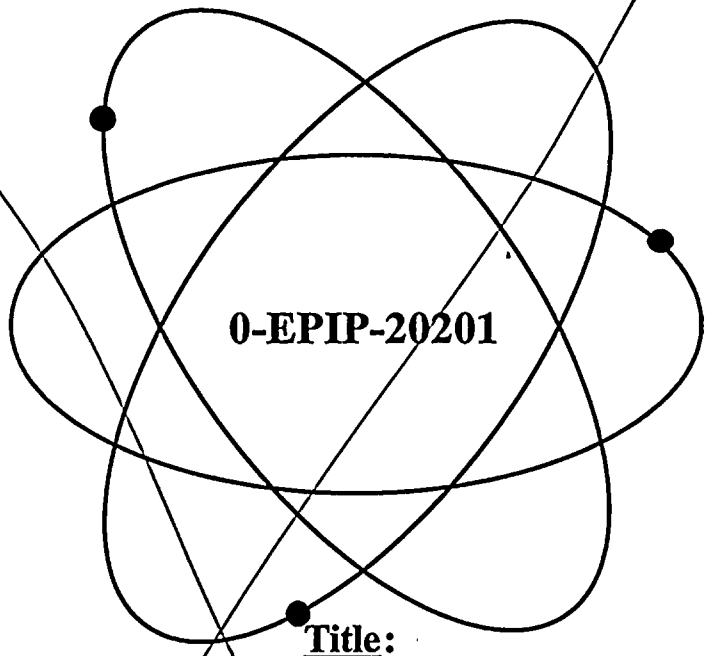
- Change 1 is a result of the deletion of the TSC Fire Protection Supervisor. Although the position is deleted the responsibilities have been transferred to the TSC Licensed Operator: During fire events outside of the Emergency Plan, the duties of the TSC Fire Protection Supervisor would be the duties of a licensed operator. Additionally, the Fire Protection Staff may be called in to augment any emergency just as Engineering or Quality Assurance may be called in. Therefore, there is no decrease in the effectiveness of the Emergency Plan.

- Change 2 is to delete the requirement to have the Control Room Communicator receive SAMG Implementor Training. The Control Room Communicator is the dedicated phone talker with the State and NRC. This position does not need SAMG Training.

- Change 3 adds the respirator qualification requirements to Enclosure 1 to ensure requirements are met.

Florida Power & Light Company

Turkey Point Nuclear Plant



0-EPIP-20201

Title:

Maintaining Emergency Preparedness - Radiological Emergency Plan Training

Safety Related Procedure	
Responsible Department:	Emergency Preparedness
Revision Approval Date:	9/1/00
Periodic Review Due:	5/11/04

RTSs 96-0438P, 97-0554, 97-1090, 99-0307, 99-0825P, 00-0515

W97:DK/dt/lr/ev

LIST OF EFFECTIVE PAGES

Page	Revision Date
1	09/01/00
2	09/01/00
3	09/01/00
4	09/01/00
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16	09/01/00
17	09/01/00
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20	09/01/00
21	09/01/00

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides requirements for periodic training of individuals who may have to respond to a radiological emergency at Turkey Point Nuclear Plant.

2.0 REFERENCES/RECORDS REQUIRED/COMMITMENT DOCUMENTS

2.1 References

2.1.1 Plant Procedures

1. 0-ADM-016, Fire Protection Program
2. 0-EPIP-20101, Duties of Emergency Coordinator
3. 0-EPIP-20104, Duty Call Notifications/Staff Augmentation
4. 0-EPIP-20110, Criteria for, and Conduct of Owner Controlled Area Evacuation
5. 0-EPIP-20112, Communication Network
6. 0-EPIP-20126, Off-Site Dose Calculations
7. 0-EPIP-20129, Emergency Radiation Team Response - OffSite
8. 0-HPS-026.1, Decontamination of Personnel
9. 0-HPS-090, Inventory of Health Physics Emergency Equipment

2.1.2 Regulatory Guidelines

1. 10 CFR 50.47
2. 10 CFR 50 Appendix E
3. NUREG 0654, Revision 1
4. American National Standard ANSI/ANS-3.8.4-1987

2.1.3 Miscellaneous Documents (PC/Ms, Correspondence, etc.)

1. Turkey Point Plant Radiological Emergency Plan
2. Training Department Administrative Guidelines
3. CR 00-1348

2.2 Records Required

2.2.1 Records documenting the Emergency Preparedness Training received by individuals are Quality Assurance records and, therefore, shall be retained in accordance with Quality Assurance records requirements.

2.3 Commitment Documents

2.3.1 QAO-PTN-90-054

3.0 RESPONSIBILITIES

3.1 The Protection Services Manager has the overall responsibility for Emergency Preparedness Training.

3.2 The Training Manager is responsible for the following:

3.2.1 Ensuring all Emergency Preparedness Training is conducted using the references listed herein with the exception of Security Force Training.

3.2.2 Training of all individuals requiring unescorted access onsite, describing the action to be taken by an individual discovering an emergency condition, the location of assembly areas, the identification of emergency alarms, and the action to be taken upon activation of those alarms.

3.2.3 Ensuring lesson plans are maintained current.

3.2.4 Ensuring training requirements are tracked.

3.3 The Emergency Preparedness Coordinator is responsible for ensuring accuracy in all Emergency Preparedness Training Programs.

3.3.1 The Emergency Preparedness Coordinator should coordinate with designated training instructors and assist with organizing lesson plan content.

3.3.2 The Emergency Preparedness Coordinator approves all Emergency Preparedness Lesson Plans and Training Schedules.

3.3.3 The Emergency Preparedness Coordinator should notify the Training Manager of changes in the Emergency Plan Implementing Procedures that justify additional training to emergency response personnel or which require changes to Emergency Preparedness Training Lesson Plans.

3.4 The Security Training Coordinator shall be responsible for ensuring Security Team personnel are trained using the Security Force Training Program requirements and this procedure.

3.5 Discipline Supervisors are responsible for ensuring their personnel attend the required training in accordance with this procedure, and qualifications are maintained current.

4.0 DEFINITIONS

4.1 Annual - Occurring once per calendar year (January 1 through December 31).

4.2 Emergency Response Directory (ERD) - The directory containing names and phone numbers of Emergency Response Organization personnel.

4.3 Emergency Response Facility (ERF) - Those facilities that would be activated to support response to an emergency situation. These facilities include the Technical Support Center, the Operations Support Center, and the Emergency Operations Facility.

4.4 Emergency Response Organization (ERO) - That portion of the FPL organization assigned responsibilities upon initiation of the Turkey Point Radiological Emergency Plan.

5.0 PROCEDURE

NOTES

- *This procedure does not cover periodic training requirements for plant personnel in performance of their daily job tasks.*
- *The matrix in Enclosure 1 does not include Supervisor Fitness for Duty Training, because Supervisor Fitness for Duty Training is administered to all personnel at the time of General Employee Training (GET).*
- *Any changes in required actions or response by emergency responders due to revisions in the emergency procedures shall be presented to those personnel on a periodic basis.*
- *Under extreme circumstances, the Emergency Coordinator has the authority to waive individuals emergency response training requirements.*
- *In order to maintain emergency preparedness, personnel working at Turkey Point Plant shall be familiar with certain preplanned actions in the Emergency Plan through training in the Turkey Point Emergency Plan Implementing Procedures.*
- *The Turkey Point Plant Radiological Emergency Plan is the governing document describing training requirements.*
- *Training governed by this procedure will be administered in accordance with Training Department Administrative Guidelines.*

5.1 Emergency Plan Training

5.1.1 General

1. Emergency Response Organization personnel shall receive initial training prior to being listed in the Emergency Response Directory and shall receive re-qualification or continuing training annually, unless otherwise specified in Enclosure 1.
2. For administrative and scheduling purposes, a 12 month training period plus 3 month grace period should be used. Training is required to be performed once per calendar year (January 1 through December 31).
3. As necessary, Emergency Response Organization personnel should receive training relevant to emergency plan changes as soon as practical. This training may be conducted through the use of special instruction memorandums, training briefs and/or classroom presentation.

5.1.1 (Cont'd)

4. The following Emergency Response Organization positions are common to both PTN and PSL, and can receive training from either the PTN or PSL training programs:

   a. Nuclear Division Duty Officer

   b. Emergency Control Officer

   c. Emergency Information Manager

5.1.2 Initial Training

1. Initial training should be formal classroom presentation on subjects identified in Enclosure 1.

2. Initial training should include an Emergency Response Facility tour and may include Job Performance Measure(s) or a practical demonstration.

3. Successful completion of initial training should be evaluated by written exam.

5.1.3 Continuing Training

1. Continuing training is normally in the form of lecture and may include, but is not limited to, the lessons per ERO position as identified in Enclosure 1.

2. Continuing training content may include facility tours, job performance measure(s), practical demonstrations, drills/exercises, industry event reviews and drill critique reviews.

3. Successful completion of Continuing Training should be determined by examination.

5.2 Severe Accident Management Guidelines (SAMG) Training

5.2.1 Enclosure 1 specifies the emergency response positions which require SAMG training.

5.2.2 Enclosure 2 specifies the training modules provided to responders designated in Enclosure 1 as Implementors, Evaluators, or Decision Makers of SAMG criteria.

5.2.3 Enclosure 2 specifies initial training requirements for SAMG Training.

5.2.4 Continuing training should be performed on a 2 year cycle, during the calendar year in which it is due.

5.2.5 Continuing training may be accomplished by participation in a table top drill.

5.2.6 SAMG training does not require a written test.

5.3 Tracking Process for Emergency Preparedness Training

5.3.1 The tracking process and responsibilities for Emergency Preparedness training will be performed as follows:

1. Training shall be accomplished in accordance with Subsections 5.1 and 5.2.
2. All documentation shall be maintained by the Training Department except for Security Records which shall be maintained by the Security Department.
3. All training requirements shall be tracked by the Nuclear Training Department.

5.4 State and Local Government Training

5.4.1 The Emergency Preparedness Coordinator shall provide training to the members of the offsite emergency organization as follows:

1. Training shall be made available to each contract local hospital at least once each calendar year. The content of that training should consist of radiological controls, medical consideration of contaminated injuries, and other topics as appropriate.
2. Training on the plant, its emergency response and the emergency action levels shall be made available to each State and local emergency management agency at least once each calendar year. This training may be in the form of a presentation, text, or other acceptable means.

5.5 Public Information Interface Training

5.5.1 The Emergency Preparedness Coordinator shall offer the local media at least once each calendar year, an overview of the plant, its emergency response, where to go to get news information and other pertinent data. This may be done in the form of a presentation, information packet, or by direct interfacing.

END OF TEXT

ENCLOSURE 1
(Page 1 of 10)
EMERGENCY PLAN TRAINING MATRIX

	NUCLEAR PLANT SUPERVISOR	ASST NUCLEAR PLANT SUPV.	NUCLEAR WATCH ENGINEER	SR REACTOR CONTROL OPERATOR	REACTOR CONTROL OPERATOR	SR NUCLEAR PLANT OPERATOR	NUCLEAR OPERATOR	NUCLEAR PLANT OPERATOR	ASST NUCLEAR PLANT OPERATOR	SHIFT TECHNICAL ADVISOR	CONTROL RM COMMUNICATOR (OFF DUTY STA)
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS	X	X	X	X	X					X	X
LESSON 3 - EMERGENCY CLASSIFICATION	X	X	X	X							
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS	X	X	X	X							
LESSON 5 - DOSE ASSESSMENT METHODOLOGY											
LESSON 6 - CONTAMINATED INJURED PERSON											
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING											
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY	X	X	X	X							
LESSON 9 - EVACUATION AND ACCOUNTABILITY	X	X	X	X	X						
LESSON 10 - ERDADS											
LESSON 11 - CORE DAMAGE (Procedure Review)											
LESSON 12 - TECH SUPPORT CENTER	X	X	X	X	X						
LESSON 13 - OPS SUPPORT CENTER						X	X	X	X		
LESSON 19 - EMERGENCY OPERATIONS FACILITY											
SAMG - DECISION MAKER											
SAMG - EVALUATOR											
SAMG - IMPLEMENTOR	X	X	X	X	X					X	X
SAMG - OVERVIEW											
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)											
FIRE BRIGADE TRAINING (1)						X	X	X	X		
RCA ACCESS TRAINING (RCAT)	X	X	X	X	X	X	X	X	X	X	X
RESPIRATOR TRAINING	X	X	X	X	X	X	X	X	X	X	X

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7. PSL/PTN common responder version.

ENCLOSURE 1
(Page 2 of 10)
EMERGENCY PLAN TRAINING MATRIX

	ASSIST TO THE DUTY CALL SUPERVISOR	EMERG COORD (PLT MGR OR ALT)	TSC SUPERVISOR	TSC HEALTH PHYSICS SUPERVISOR	TSC OFFSITE TEAM LEADER	TSC HPN COMMUNICA-TOR	TSC HP OSC COMMUNICA-TOR	TSC CHEMISTRY SUPERVISOR	TSC DOSE ASSESS. TECHNICIAN	TSC DOSE ASSESS. RECORDER	TSC MAINTENANCE MANAGER
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS	X					X					
LESSON 3 - EMERGENCY CLASSIFICATION		X									
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS		X		X				X			
LESSON 5 - DOSE ASSESSMENT METHODOLOGY								X	X(2)		
LESSON 6 - CONTAMINATED INJURED PERSON				X							
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING				X	X						
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY		X	X								
LESSON 9 - EVACUATION AND ACCOUNTABILITY		X		X							
LESSON 10 - ERDADS											
LESSON 11 - CORE DAMAGE (Procedure Review)											
LESSON 12 - TECH SUPPORT CENTER		X	X	X	X	X	X	X	X	X	X
LESSON 13 - OPS SUPPORT CENTER											
LESSON 19 - EMERGENCY OPERATIONS FACILITY											
SAMG - DECISION MAKER		X	X								
SAMG - EVALUATOR											
SAMG - IMPLEMENTOR				X				X			X
SAMG - OVERVIEW											
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)											
FIRE BRIGADE - TRAINING (1)											
RCA ACCESS TRAINING (RCAT)											
RESPIRATOR TRAINING											

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ENCLOSURE 1
(Page 3 of 10)
EMERGENCY PLAN TRAINING MATRIX

	TSC OPERATIONS MANAGER	TSC SECURITY SUPV	TSC HRD COMMUNICATOR	TSC EOF COMMUNICATOR	TSC TECHNICAL ASSIST TO THE EMERGENCY COORDINATOR	TSC ENS COMMUNICATOR	TSC SITE CORPORATE COMMUNICATOR	TSC PLANT DATA COMMUNICATOR	TSC ERDADS OPERATOR	TSC LEAD ENGINEER
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS			X		X	X				
LESSON 3 - EMERGENCY CLASSIFICATION	X				X					
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS	X				X					
LESSON 5 - DOSE ASSESSMENT METHODOLOGY										
LESSON 6 - CONTAMINATED INJURED PERSON										
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING										
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY	X									
LESSON 9 - EVACUATION AND ACCOUNTABILITY		X								
LESSON 10 - ERDADS								X	X(3)	X
LESSON 11 - CORE DAMAGE (Procedure Review)										
LESSON 12 - TECH SUPPORT CENTER	X	X	X	X	X	X	X	X	X	X
LESSON 13 - OPS SUPPORT CENTER										
LESSON 19 - EMERGENCY OPERATIONS FACILITY										
SAMG - DECISION MAKER	X									
SAMG - EVALUATOR										X
SAMG - IMPLEMENTOR										
SAMG - OVERVIEW										
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)										
FIRE BRIGADE TRAINING (1)										
RCA ACCESS TRAINING (RCAT)										
RESPIRATOR TRAINING										

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ENCLOSURE 1
(Page 4 of 10)

EMERGENCY PLAN TRAINING MATRIX

	TSC ENGINEER MAINT LIAISON	TSC DOCUMENT CONTROL PERSONNEL	TSC PLANT DATA STATUS BOARD KEEPER	TSC PROTECTION AND CONTROLS SUPERVISOR	TSC FIRE PROTECTION SUPERVISOR	TSC MECHANICAL ENGINEER	TSC REACTOR ENGINEER	TSC ELECT/I&C ENGINEERING
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS								
LESSON 3 - EMERGENCY CLASSIFICATION								
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS								
LESSON 5 - DOSE ASSESSMENT METHODOLOGY								
LESSON 6 - CONTAMINATED INJURED PERSON								
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING								
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY								
LESSON 9 - EVACUATION AND ACCOUNTABILITY								
LESSON 10 - ERDADS	X			X	X	X	X	X
LESSON 11 - CORE DAMAGE (Procedure Review)							X	X
LESSON 12 - TECH SUPPORT CENTER	X	X	X	X	X	X	X	X
LESSON 13 - OPS SUPPORT CENTER								
LESSON 19 - EMERGENCY OPERATIONS FACILITY								
SAMG - DECISION MAKER								
SAMG - EVALUATOR						X	X	X
SAMG - IMPLEMENTOR								
SAMG - OVERVIEW								
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)								
FIRE BRIGADE TRAINING (1)								
RCA ACCESS TRAINING (RCAT)								
RESPIRATOR TRAINING								

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ENCLOSURE 1
(Page 5 of 10)

EMERGENCY PLAN TRAINING MATRIX

	TSC LICENSED OPERATOR SUPPORT	DUTY CALL SUPERVISOR	OSC MANAGER	OSC UPERVISOR	OSC RECORDER	OSC OPERATIONS SUPERVISOR	OSC CHEMISTRY SUPERVISOR	OSC Re-entry Coord	CHEM EMERG RESPONSE TEAM MEMBERS	PARAMEDICS/ PHYSICIANS ASSTS/E.M.T.'S	OSC HEALTH PHYSICS SUPERVISOR	HEALTH PHYSICS EMERG RESPONSE TEAM MEMBERS
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS		X										
LESSON 3 - EMERGENCY CLASSIFICATION												
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS												
LESSON 5 - DOSE ASSESSMENT METHODOLOGY									X(2)			
LESSON 6 - CONTAMINATED INJURED PERSON							X		X	X	X	X
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING											X	X
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY												
LESSON 9 - EVACUATION AND ACCOUNTABILITY											X	
LESSON 10 - ERDADS												
LESSON 11 - CORE DAMAGE (Procedure Review)												
LESSON 12 - TECH SUPPORT CENTER	X											
LESSON 13 - OPS SUPPORT CENTER			X	X	X	X	X	X	X	X	X	X
LESSON 19 - EMERGENCY OPERATIONS FACILITY												
SAMG - DECISION MAKER												
SAMG - EVALUATOR												
SAMG - IMPLEMENTOR												
SAMG - OVERVIEW												
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)									X			
FIRE BRIGADE TRAINING (1)												X
RCA ACCESS TRAINING (RCAT)									X	X		X
RESPIRATOR TRAINING									X	X		X

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ENCLOSURE 1
(Page 6 of 10)
EMERGENCY PLAN TRAINING MATRIX

	OSC DOSE RECORDER	OSC HEALTH PHYSICS COMMUNICATOR	OSC MECHANICAL COOR'D	MECH MAINT EMERG RESPONSE TEAM MEMBERS	OSC ELECTRICAL COOR'D	ELEC MAINT EMERG RESPONSE TEAM MEMBERS	OSC I&C COOR'D	I&C MAINT EMERG RESPONSE TEAM MEMBERS	SEC COMMAND POST OPERATIONS ADVISOR	SECURITY OFFICERS
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS										
LESSON 3 - EMERGENCY CLASSIFICATION										
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS										
LESSON 5 - DOSE ASSESSMENT METHODOLOGY										
LESSON 6 - CONTAMINATED INJURED PERSON										
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING										
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY										
LESSON 9 - EVACUATION AND ACCOUNTABILITY										X
LESSON 10 - ERDADS										
LESSON 11 - CORE DAMAGE (Procedure Review)										
LESSON 12 - TECH SUPPORT CENTER										
LESSON 13 - OPS SUPPORT CENTER	X	X	X	X	X	X	X	X		
LESSON 19 - EMERGENCY OPERATIONS FACILITY										
SAMG - DECISION MAKER										
SAMG - EVALUATOR										
SAMG - IMPLEMENTOR										
SAMG - OVERVIEW										
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)										
FIRE BRIGADE TRAINING (1)										
RCA ACCESS TRAINING (RCAT)				X		X		X		
RESPIRATOR TRAINING				X		X		X		

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ENCLOSURE 1
(Page 7 of 10)

EMERGENCY PLAN TRAINING MATRIX

	ASSEMBLY AREA SUPERVISOR	OSC DOCUMENT CONTROL PERSONNEL	OSC MATERIAL MANAGEMENT PERSONNEL	OSC STATUS BOARD KEEPER	RECOVERY MANAGER	EMERGENCY CONTROL OFFICER	NUCLEAR DIV DUTY OFFICER	EOF RM OPS ADVISOR	EOF TSC COMMUNICATOR	
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X (7)	X (7)	X	X	
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS					X	X	X	X		
LESSON 3 - EMERGENCY CLASSIFICATION								X		
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS					X	X (6)	X (6)	X		
LESSON 5 - DOSE ASSESSMENT METHODOLOGY										
b - CONTAMINATED INJURED PERSON										
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING										
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY					X			X		
LESSON 9 - EVACUATION AND ACCOUNTABILITY	X									
LESSON 10 - ERDADS										
LESSON 11 - CORE DAMAGE (Procedure Review)										
LESSON 12 - TECH SUPPORT CENTER										
LESSON 13 - OPS SUPPORT CENTER		X	X	X						
LESSON 19 - EMERGENCY OPERATIONS FACILITY					X	X (7)	X (7)	X	X	
SAMG - DECISION MAKER										
SAMG - EVALUATOR										
SAMG - IMPLEMENTOR										
SAMG - OVERVIEW					X			X		
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)										
FIRE BRIGADE TRAINING (1)										
RCA ACCESS TRAINING (RCAT)										
RESPIRATOR TRAINING										

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ENCLOSURE 1
(Page 8 of 10)
EMERGENCY PLAN TRAINING MATRIX

	EOF DOSE ASSESS COORDINATOR	EOF HOT RING DOWN COMMUNICATOR	EOF ERDADS OPERATOR	EMERGENCY INFORMATION	MANAGER EIM/ENC TECH ADVISORS	COUNTY EOC TECH ADVISORS	EOF HP MANAGER	EOF FIELD MONITORING COORDINATORS	EOF FIELD MONITORING RECORDER	EOF ENS/HPN COMMUNICATORS	EMERGENCY TECHNICAL MANAGER
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X (7)	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS		X								X	
LESSON 3 - EMERGENCY CLASSIFICATION											
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS							X				
LESSON 5 - DOSE ASSESSMENT METHODOLOGY	X						X				
LESSON 6 - CONTAMINATED INJURED PERSON											
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING							X				
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY							X				
LESSON 9 - EVACUATION AND ACCOUNTABILITY											
LESSON 10 - ERDADS			X								
LESSON 11 - CORE DAMAGE (Procedure Review)											
LESSON 12 - TECH SUPPORT CENTER											
LESSON 13 - OPS SUPPORT CENTER											
LESSON 19 - EMERGENCY OPERATIONS FACILITY	X	X	X	X (7)	X	X	X	X	X	X	X
SAMG - DECISION MAKER											
SAMG - EVALUATOR											
SAMG - IMPLEMENTOR											
SAMG - OVERVIEW											X
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)											
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ENCLOSURE 1
(Page 9 of 10)

EMERGENCY PLAN TRAINING MATRIX

	EOF ELECTRICAL/ I&C ENGINEER	EOF MECH ENGINEER	EOF NUCLEAR ENGINEER	EOF FUELS ENGINEER	EOF STATUS BOARD KEEPER	EMERGENCY SECURITY MANAGER	EOF TECH ASSISTANT TO THE RM
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS							X
LESSON 3 - EMERGENCY CLASSIFICATION							X
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS							X
LESSON 5 - DOSE ASSESSMENT METHODOLOGY							
LESSON 6 - CONTAMINATED INJURED PERSON							
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING							
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY							X
LESSON 9 - EVACUATION AND ACCOUNTABILITY							
LESSON 10 - ERDADS	X	X	X	X			
LESSON 11 - CORE DAMAGE (Procedure Review)				X			
LESSON 12 - TECH SUPPORT CENTER							
LESSON 13 - OPS SUPPORT CENTER							
LESSON 19 - EMERGENCY OPERATIONS FACILITY	X	X	X	X	X	X(5)	X
SAMG - DECISION MAKER							
SAMG - EVALUATOR							
SAMG - IMPLEMENTOR							
SAMG - OVERVIEW							X
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)							
FIRE BRIGADE TRAINING (1)							
RCA ACCESS TRAINING (RCAT)							
RESPIRATOR TRAINING							

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ENCLOSURE 1
(Page 10 of 10)

EMERGENCY PLAN TRAINING MATRIX

	EOF DOSE ASSESS RECORDER	EOF SUPERVISOR	EOF ADMIN SUPERVISOR	EOF ADMIN STAFF						
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X						
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS										
LESSON 3 - EMERGENCY CLASSIFICATION										
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS										
LESSON 5 - DOSE ASSESSMENT METHODOLOGY										
LESSON 6 - CONTAMINATED INJURED PERSON										
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING										
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY										
LESSON 9 - EVACUATION AND ACCOUNTABILITY										
LESSON 10 - ERDADS										
LESSON 11 - CORE DAMAGE (Procedure Review)										
LESSON 12 - TECH SUPPORT CENTER										
LESSON 13 - OPS SUPPORT CENTER										
LESSON 19 - EMERGENCY OPERATIONS FACILITY	X	X	X	X						
SAMG - DECISION MAKER										
SAMG - EVALUATOR										
SAMG - IMPLEMENTOR										
SAMG - OVERVIEW										
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)										
FIRE BRIGADE TRAINING (1)										
RCA ACCESS TRAINING (RCAT)										
RESPIRATOR TRAINING										

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ENCLOSURE 2
(Page 1 of 1)

SAMG INITIAL TRAINING MATRIX

	Implementor Control Room Staff	Implementor TSC	Evaluator	Decision Maker	EOF Responders
Lesson 100 Overview for SAMG (2)	X	X	X	X	X (1)
Lesson 101 Executive Volume for the Control Room (CR) (2)	X				
Lesson 102 Severe Accident CR Guidance Initial Response (SACRG-1) (2)	X				
Lesson 103 Severe Accident CR Guidance After TSC Is Functional (SACRG-2) (2)	X				
Lesson 104 Executive Volume for the TSC (2)			X		
Lesson 105 Diagnostic Flow Chart and Severe Challenge Status Tree (2)			X		
Lesson 106 Instrumentation and the SAMG (2)			X	X	
Lesson 107 SACRG-1 and SACRG-2 for the TSC (2)			X		
Lesson 108 Severe Accident Progression and Phenomena (2)	X	X	X	X	

(1) Self Review (2) or Equivalent Self-Study Module

FINAL PAGE

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50-250
6/26/01
Revised
7/17/01

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Docket Number: 05000250
Docket Number: 05000251
Document Date: 06/26/2001

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FPL

JUN 2 6 2001
L-2001-146
10 CFR 50.54(q)
10 CFR 50 Appendix E

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Revision: Recovery Plan, Emergency Plan Implementing Procedure

The following documents have been revised:

Turkey Point Recovery Plan – Implementated May 30, 2001
0-EPIP-20106, Natural Emergencies – Implemented May 31, 2001

Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of each of the revised documents is enclosed. A summary of changes to each document is attached. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

CLM

Attachment, enclosures

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

ML011830023

A045

SUMMMARY OF CHANGES

TURKEY POINT RECOVERY PLAN

- Pages 7, 9, and 40 are revised to change references from "OSC Supervisor" to "OSC Manager." Page 9 is also revised to change "Accounting" Personnel to "Business Systems" Personnel, and to change "HP Mgr" to "HP Supv."

- Page 8 is revised to add the word "Nuclear" before "Materials Management Department," and to change "Accounting" to "Business Systems."

- Page 29 is revised to correct a reference to the "Manager, Nuclear Security." The correct title should be "Manager, Protection Services."

- The OSC Manager's duties on page 40 are transferred to the Maintenance Manager's duties on page 39. The OSC Manager's attachment (Page 40) is eliminated.

- Pages 40 and 41 are changed to correct the reference to "Protection and Control." That organization is now called "Station Area Operations."

- Page 11 is revised to correct the reference to Raytheon Engineering. The Company's name changed to Washington Group International.

0-EPIP-20106, NATURAL EMERGENCIES

- Change TSC Fire Protection Supervisor title to Fire Protection Supervisor. Duties previously assigned to the TSC Fire Protection Supervisor will now be listed under the Fire Protection Supervisor. This change is due to the elimination of the position from the Emergency Response Organization.

- Add to the OSC Mechanical Coordinator position the responsibility for ensuring ballistic shields located in elevated areas are tied down, removed, or placed in a safe configuration. The ballistic shields are being installed for Security response purposes.

- Move the duties related to the Fire Watch Shift Supervisor from the Fire Protection Supervisor to the TSC Security Supervisor to correctly align the duties with the current organization.

- Change references to Mechanical Foreman and Chief Electrician to GML-M and GML-E, to reflect current titles.

- Add references to PCM 01-022 and drawing 5610-C-1015.

- Add Attachment 2, "Security Ballistic Shields - Locations."

50-250
Revised
10/12/01

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Subject:
Turkey Point Units 3 and 4 emergency Plan Implementing Procedure Revision. Docume nt Date: 05/22/2001

Body:
ADAMS DISTRIBUTION NOTIFICATION.
A009 - OR/Licensing Submittal: Appendix I (ODCM)
A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Corre spondence

Title: Turkey Point Units 3 and 4 emergency Plan Implementing Procedure Revision.
Docket Number: 05000250
Docket Number: 05000251

Document Date: 05/22/2001
Author Name: Hovey R J
Author Affiliation: Florida Power & Lighht Co
Addressee Name:
Addressee Affiliation: NRC/Document Control Desk
Document Type: Emergency Preparedness-Emergency Plan Implementing Procedures
Availability: Publicly Available
Document Sensitivity: Non-Sensitive
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FPL

MAY 2 2 2001

L-2001-124
10 CFR 50.54(q)
10 CFR 50 Appendix E

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Plan Implementing Procedure Revision

The following document has been revised:

0-EPIP-20126, Offsite Dose Calculations

The implementation date was April 26, 2001. Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of the revised document is enclosed. A summary of changes to the document is attached. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

CLM

Attachment, enclosures

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

ML011450193

A045
A009

SUMMMARY OF CHANGES

0-EPIP-20126, Offsite Dose Calculations

Changes to this procedure were due to a great number of minor errors that were introduced during the procedure conversion by word processing. In addition, there were minor enhancements made for clarification.

Specific Changes

1. Pages 17, 18, 29, 43, 45, 47, 48, 51, 52, 54, 55, 56, 57, 58, 59, and 60 had typos, due to the word processing conversion.
2. Page 17, corrected containment exhaust fan to the appropriate value of 35,000 scfm. Added information about the CHRRMS (Containment High Range Radiation Monitoring System) for completeness.
3. Page 20, change made to align procedure to LAN-based rather than stand-alone.
4. Page 24, step added to begin print function.
5. Page 31, Meteorological Data Worksheet, replaced with a better copy.
6. Page 33-42, clarified the correct calculation time. Calculations are based on sample time and not when one actually begins to do them.
7. Page 47, added reactor trip date and time, because they are needed to complete form. A note was added to remind dose assessor to consult Attachment 4 for additional adjustments to the values in the worksheet. Added step 13 to remind dose assessor to check if the data of this worksheet should be used elsewhere.
8. Page 55, added new step to direct dose assessor to the new SGTR worksheet.
9. Page 60, clarified the use of the date and time of sample.

50-250
5/9/01
Revised
5/31/01

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Emergency Plan,and Emergency Plan Implementing Procedure,Revisions

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A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Correspondence

Docket: 05000250
Docket: 05000251

FPL

MAY 0 9 2001

L-2001-097
10 CFR 50.54(q)
10 CFR 50 Appendix E

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Plan, and Emergency Plan Implementing Procedure, Revisions

The following documents have been revised:

Turkey Point Radiological Emergency Plan (Revision 38)
0-EPIP-20101, Duties of Emergency Coordinator

The implementation date is April 23, 2001, for both documents. Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of each of the revised documents is enclosed. A summary of changes to each document is attached. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

In addition, 0-EPIP-20112, Communications Network, has been corrected to reflect FTS-2001, rather than FTS-2000. In accordance with Turkey Point procedures, a correction of this nature does not constitute a change, requiring re-issue. Therefore the implementation date remains 3/26/98. Changed pages are marked 3/26/98C, and were issued on April 9, 2001. A copy of the entire procedure is enclosed for your convenience.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

CLM

Attachment, enclosures

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

A045

ML011370285

SUMMMARY OF CHANGES

PTN Radiological Emergency Plan Rev 38

- Enhance the "Florida Nuclear Plant Notification Form" to include check boxes, in section 1 of the form, for State Warning Point (SWP), Miami-Dade County, and Monroe County, to ensure contact is established by Turkey Point, with all the required outside agencies.

- Elimination of the Post Accident Sampling System (PASS). PASS is not used to mitigate the consequences of an accident. Additional methods to determine the extent of a core damage event (if applicable) such as containment radiation readings, containment hydrogen concentrations and reactor coolant analysis are utilized while an event is in progress. These parameters are used to pre-determine a potential core damage event as well as estimate the approximate level of resultant damage. Results of reactor coolant analysis are not typically available during an accident sequence and are not recommended (by plant procedures) as a reliable means of determining core damage while the event is in progress. The NRC approved elimination of the requirement for PASS in License Amendments 211 and 205, for Turkey Point Units 3 and 4 respectively, by letter dated January 31, 2001. A calculation is being added to the Emergency Classification Table (R-20 reading of 2.5 R/hr) which determines the Letdown Radiation Monitor (R-20) Dose Rate Limit corresponding to 300 μCi/gm of DEQ I-131.

0-EPIP-20101, Duties of the Emergency Coordinator

- Elimination of the Post Accident Sampling System. A calculation is being added to the Emergency Classification Table (R-20 reading of 2.5 R/hr) which determines the Letdown Radiation Monitor (R-20) Dose Rate Limit corresponding to 300 μCi/gm of DEQ I-131.

- Enhance the "Florida Nuclear Plant Notification Form" to include check boxes, in section 1 of the form, for SWP, Miami-Dade County, and Monroe County, to ensure contact is established with all the required outside agencies for PTN.

- Enhance instructions taken by the communicator in the event that contact is not established between the SWP and any of the required agencies.

50-250
3/26/01
Revised
4/18/01

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Distribution Sheet

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Turkey Point Units 3 and 4 - Emergency Plan and Emergency Plan Impleme
nting Procedure Revisions

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A045 - OR Submittal: Emergency Preparedness Plans, Implementing Proced
ures, Correspondence

Docket: 05000250
Docket: 05000251

FPL

MAR 2 6 2001
L-2001-068
10 CFR 50.54(q)
10 CFR 50 Appendix E

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Plan, and Emergency Plan Implementing Procedure, Revisions

The following documents have been revised:

Turkey Point Radiological Emergency Plan (Revision 37)
Implementation date: March 6, 2001

0-EPIP-20132, Technical Support Center (TSC) Activation and Operation
Implementation date: March 7, 2001

Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of each of the revised documents is enclosed. A summary of changes to each document is attached. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

CLM

Attachment, enclosures

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

0109404443

A045

SUMMMARY OF CHANGES

Turkey Point Radiological Emergency Plan Rev. 37

- Pages 1-8, 1-12, 2-26, 2-31, 4-7, 5-17, 5-19, and 7-11 are format changes or have typos in need of correction.
- Page 2-32, the Dade County EOC has moved to a new location. The address needs to be updated in the E-Plan
- Page 4-5, Replace old "Florida Notification Form" with the new revised form.
- Update the "Letters of Agreement".

SUMMMARY OF CHANGES

O-EPIP-20132

- Move TSC Responders required activities from section 5.0 to their respective sign-off attachments (New attachments 8 through 27).
- Added a step to guide each TSC responder to their respective sign-off attachment.
- Add a sign-off attachment for each responder to assist them during activation and operation of the TSC. Each sign-off attachment will help ensure that each responder's required activities are complete and documented.
- Add direction to the TSC Licensed Operators responsibilities to obtain fire response information and to provide assistance to the facility leaders, if applicable.
- Delete the TSC Fire Protection Supervisor position from the TSC. Add responsibilities to TSC Licensed Operator Duties.
- Replace old NRC Notification Worksheet with new NRC Notification Worksheet.

50-250
3/12/01
Revised
3/29/01

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Subject:
Turkey Point Units 3 and 4, Emergency Plan Emergency Implementing Procedure Changes.

Body:
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A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Correspondence

Docket: 05000250
Docket: 05000251

FPL

MAR 1 2 2001

L-2001-062
10 CFR 50.54(q)
10 CFR 50 Appendix E

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Plan Implementing Procedure Changes

The following Emergency Plan Implementing Procedures have been revised:

0-EPIP-20133, Operations Support Center (OSC) Activation and Operation
Implementation date: February 16, 2001
0-EPIP-20129, Emergency Response Team - Radiological Monitoring
Implementation date: February 22, 2001
0-EPIP-1212, Emergency Operation Facility (EOF) Activation and Operation
Implementation date: March 1, 2001

Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of each of the revised procedures is enclosed. A summary of changes to each procedure is attached. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

CLM

Attachment, enclosures

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

ML010780182

A045

SUMMMARY OF CHANGES

Changes to 0-EPIP-20133

1. Move all OSC responder required activities from section 5 to their respective sign-off attachments.
2. Add guidance to section 5 for responders to obtain their sign-off attachment.
3. Delete the OSC Plant Status Board position, and add those individuals to Status Board Keeper position.
4. Delete the OSC Team Status Board position, and add those individuals to Status Board Keeper position.
5. Add sign-off section for each OSC responder: Attachments 5 thru 24.
6. Change OSC Layout.

Changes 1, 2, and 5 are format only. Each sign-off attachment will help ensure that each responder's required activities are complete and documented. Changes 3 and 4 combine both of the OSC Status Board Keepers into one position. Although the two positions are now incorporated into one, the utilization of new computers and projector will enable one person to accomplish both tasks. With Change 6, the OSC has now become a dedicated facility. There have been enhancements made to the facility such as Briefing and De-Briefing rooms, new furniture, new phones, computers, and projectors. The OSC facility is permanently set up and in ready status. Since the facility is now dedicated, there is no longer a need to set up the facility during activation.

Changes to 0-EPIP-20129

1. Add new instructions for the Offsite Field Monitoring Teams to obtain vehicles (keys) for Offsite Field Monitoring.

2. Enhance communication between the offsite team and the TSC Offsite Team Leader. Multifunctional radios are installed in all the Emergency Response Vehicles and should be the primary method for communication with the site. In addition, handheld radios have been placed in the Offsite Health Physics Equipment Locker as a backup method for communicating.

Changes to 0-EPIP-1212

1. Move all EOF responders required activities from the body of the procedure to an attachment. Add guidance to each EOF responder's responsibilities in the body of the procedure to refer them to their respective sign-off attachments..

2. Add a sign-off section (Attachment 8-28) for each responder to assist them during activation and operation of the EOF. Each sign-off attachment will help ensure that each responder's required activities are complete and documented.

3. Exchange old NRC Notification Worksheet with new NRC Reactor Plant Event Notification Worksheet (Attachment 2).

50-250
9/28/00
Revised
11/9/00

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Subject:
Turkey Point, Units 3 and 4 emergency plan implementing procedure change for 0-EPIP -20201, "Maintaining Emergency Preparedness - Radiological Emergency Plan Training ."

Body:
ADAMS DISTRIBUTION NOTIFICATION.

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10/8

A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Correspondence

Docket: 05000250
Docket: 05000251

FPL

SEP 2 8 2000

L-2000-195
10 CFR 50.54(q)
10 CFR 50 Appendix E

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Plan Implementing Procedure Change

The following Emergency Plan Implementing Procedure has been revised: 0-EPIP-20201, "Maintaining Emergency Preparedness – Radiological Emergency Plan Training."

Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of the revised procedure is enclosed. A summary of changes to the procedure is attached. The implementation date for this procedure revision was September 15, 2000. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

CLM

Attachment, enclosure

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

A045

00375598

SUMMMARY OF CHANGES

0-EPIP-20201, Maintaining Emergency Preparedness – Radiological Emergency Plan Training

The changes for 0-EPIP-20201 are summarized as follows:

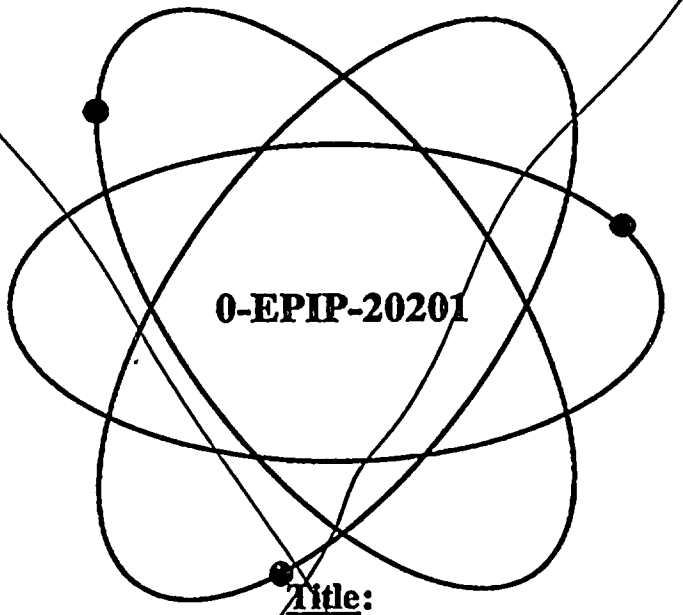
- Page 8 is being changed to permit student evaluation methods other than written examination.

- Page 11 is being revised to delete Lesson 3, *Emergency Classification*, Lesson 4, *Radiological Assessment Protective Action Recommendations*, and Lesson 8, *Management Control of Emergencies and Recovery from the Reactor Control Operator (RCO) Position*. The RCO can no longer fill the EC position. These lesson plans should have been removed from the required training for the position when the position requirements were changed.

- Page 15 is being revised to move the designation for Lesson 6, *Contaminated Injured Person*, from the OSC Re-Entry Coordinator to the Chemistry Emergency Response Team Members, to correct a typographical error.

Florida Power & Light Company

Turkey Point Nuclear Plant



0-EPIP-20201

Title:

Maintaining Emergency Preparedness - Radiological Emergency Plan Training

Safety Related Procedure

Responsible Department:	Emergency Preparedness
Revision Approval Date:	9/1/00
Periodic Review Due:	5/11/04

RTSs 96-0438P, 97-0554, 97-1090, 99-0307, 99-0825P, 00-0515

W97:DK/dt/trlov

LIST OF EFFECTIVE PAGES

Page	Revision Date
1	09/01/00
2	09/01/00
3	09/01/00
4	09/01/00
5	09/01/00
6	09/01/00
7	09/01/00
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16	09/01/00
17	09/01/00
18	09/01/00
19	09/01/00
20	09/01/00
21	09/01/00

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides requirements for periodic training of individuals who may have to respond to a radiological emergency at Turkey Point Nuclear Plant.

2.0 REFERENCES/RECORDS REQUIRED/COMMITMENT DOCUMENTS

2.1 References

2.1.1 Plant Procedures

1. 0-ADM-016, Fire Protection Program
2. 0-EPIP-20101, Duties of Emergency Coordinator
3. 0-EPIP-20104, Duty Call Notifications/Staff Augmentation
4. 0-EPIP-20110, Criteria for, and Conduct of Owner Controlled Area Evacuation
5. 0-EPIP-20112, Communication Network
6. 0-EPIP-20126, Off-Site Dose Calculations
7. 0-EPIP-20129, Emergency Radiation Team Response - OffSite
8. 0-HPS-026.1, Decontamination of Personnel
9. 0-HPS-090, Inventory of Health Physics Emergency Equipment

2.1.2 Regulatory Guidelines

1. 10 CFR 50.47
2. 10 CFR 50 Appendix E
3. NUREG 0654, Revision 1
4. American National Standard ANSI/ANS-3.8.4-1987

2.1.3 Miscellaneous Documents (PC/Ms, Correspondence, etc.)

1. Turkey Point Plant Radiological Emergency Plan
2. Training Department Administrative Guidelines
3. CR 00-1348

2.2 Records Required

2.2.1 Records documenting the Emergency Preparedness Training received by individuals are Quality Assurance records and, therefore, shall be retained in accordance with Quality Assurance records requirements.

2.3 Commitment Documents

2.3.1 QAO-PTN-90-054

3.0 RESPONSIBILITIES

3.1 The Protection Services Manager has the overall responsibility for Emergency Preparedness Training.

3.2 The Training Manager is responsible for the following:

3.2.1 Ensuring all Emergency Preparedness Training is conducted using the references listed herein with the exception of Security Force Training.

3.2.2 Training of all individuals requiring unescorted access onsite, describing the action to be taken by an individual discovering an emergency condition, the location of assembly areas, the identification of emergency alarms, and the action to be taken upon activation of those alarms.

3.2.3 Ensuring lesson plans are maintained current.

3.2.4 Ensuring training requirements are tracked.

3.3 The Emergency Preparedness Coordinator is responsible for ensuring accuracy in all Emergency Preparedness Training Programs.

3.3.1 The Emergency Preparedness Coordinator should coordinate with designated training instructors and assist with organizing lesson plan content.

3.3.2 The Emergency Preparedness Coordinator approves all Emergency Preparedness Lesson Plans and Training Schedules.

3.3.3 The Emergency Preparedness Coordinator should notify the Training Manager of changes in the Emergency Plan Implementing Procedures that justify additional training to emergency response personnel or which require changes to Emergency Preparedness Training Lesson Plans.

3.4 The Security Training Coordinator shall be responsible for ensuring Security Team personnel are trained using the Security Force Training Program requirements and this procedure.

3.5 Discipline Supervisors are responsible for ensuring their personnel attend the required training in accordance with this procedure, and qualifications are maintained current.

4.0 DEFINITIONS

4.1 Annual - Occurring once per calendar year (January 1 through December 31).

4.2 Emergency Response Directory (ERD) - The directory containing names and phone numbers of Emergency Response Organization personnel.

4.3 Emergency Response Facility (ERF) - Those facilities that would be activated to support response to an emergency situation. These facilities include the Technical Support Center, the Operations Support Center, and the Emergency Operations Facility.

4.4 Emergency Response Organization (ERO) - That portion of the FPL organization assigned responsibilities upon initiation of the Turkey Point Radiological Emergency Plan.

5.0 PROCEDURE

NOTES

- *This procedure does not cover periodic training requirements for plant personnel in performance of their daily job tasks.*
- *The matrix in Enclosure 1 does not include Supervisor Fitness for Duty Training, because Supervisor Fitness for Duty Training is administered to all personnel at the time of General Employee Training (GET).*
- *Any changes in required actions or response by emergency responders due to revisions in the emergency procedures shall be presented to those personnel on a periodic basis.*
- *Under extreme circumstances, the Emergency Coordinator has the authority to waive individuals emergency response training requirements.*
- *In order to maintain emergency preparedness, personnel working at Turkey Point Plant shall be familiar with certain preplanned actions in the Emergency Plan through training in the Turkey Point Emergency Plan Implementing Procedures.*
- *The Turkey Point Plant Radiological Emergency Plan is the governing document describing training requirements.*
- *Training governed by this procedure will be administered in accordance with Training Department Administrative Guidelines.*

5.1 Emergency Plan Training

5.1.1 General

1. Emergency Response Organization personnel shall receive initial training prior to being listed in the Emergency Response Directory and shall receive re-qualification or continuing training annually, unless otherwise specified in Enclosure 1.
2. For administrative and scheduling purposes, a 12 month training period plus 3 month grace period should be used. Training is required to be performed once per calendar year (January 1 through December 31).
3. As necessary, Emergency Response Organization personnel should receive training relevant to emergency plan changes as soon as practical. This training may be conducted through the use of special instruction memorandums, training briefs and/or classroom presentation.

5.1.1 (Cont'd)

4. The following Emergency Response Organization positions are common to both PTN and PSL, and can receive training from either the PTN or PSL training programs:

   a. Nuclear Division Duty Officer

   b. Emergency Control Officer

   c. Emergency Information Manager

5.1.2 Initial Training

1. Initial training should be formal classroom presentation on subjects identified in Enclosure 1.

2. Initial training should include an Emergency Response Facility tour and may include Job Performance Measure(s) or a practical demonstration.

3. Successful completion of initial training should be evaluated by written exam.

5.1.3 Continuing Training

1. Continuing training is normally in the form of lecture and may include, but is not limited to, the lessons per ERO position as identified in Enclosure 1.

2. Continuing training content may include facility tours, job performance measure(s), practical demonstrations, drills/exercises, industry event reviews and drill critique reviews.

3. Successful completion of Continuing Training should be determined by examination.

5.2 Severe Accident Management Guidelines (SAMG) Training

5.2.1 Enclosure 1 specifies the emergency response positions which require SAMG training.

5.2.2 Enclosure 2 specifies the training modules provided to responders designated in Enclosure 1 as Implementors, Evaluators, or Decision Makers of SAMG criteria.

5.2.3 Enclosure 2 specifies initial training requirements for SAMG Training.

5.2.4 Continuing training should be performed on a 2 year cycle, during the calendar year in which it is due.

5.2.5 Continuing training may be accomplished by participation in a table top drill.

5.2.6 SAMG training does not require a written test.

5.3 Tracking Process for Emergency Preparedness Training

5.3.1 The tracking process and responsibilities for Emergency Preparedness training will be performed as follows:

1. Training shall be accomplished in accordance with Subsections 5.1 and 5.2.
2. All documentation shall be maintained by the Training Department except for Security Records which shall be maintained by the Security Department.
3. All training requirements shall be tracked by the Nuclear Training Department.

5.4 State and Local Government Training

5.4.1 The Emergency Preparedness Coordinator shall provide training to the members of the offsite emergency organization as follows:

1. Training shall be made available to each contract local hospital at least once each calendar year. The content of that training should consist of radiological controls, medical consideration of contaminated injuries, and other topics as appropriate.
2. Training on the plant, its emergency response and the emergency action levels shall be made available to each State and local emergency management agency at least once each calendar year. This training may be in the form of a presentation, text, or other acceptable means.

5.5 Public Information Interface Training

5.5.1 The Emergency Preparedness Coordinator shall offer the local media at least once each calendar year, an overview of the plant, its emergency response, where to go to get news information and other pertinent data. This may be done in the form of a presentation, information packet, or by direct interfacing.

END OF TEXT

ENCLOSURE 1
(Page 1 of 10)
EMERGENCY PLAN TRAINING MATRIX

	NUCLEAR PLANT SUPERVISOR	ASST NUCLEAR PLANT SUPV.	NUCLEAR WATCH ENGINEER	SR REACTOR CONTROL OPERATOR	REACTOR CONTROL OPERATOR	SR NUCLEAR PLANT OPERATOR	NUCLEAR OPERATOR	NUCLEAR PLANT OPERATOR	ASST NUCLEAR PLANT OPERATOR	SHIFT TECHNICAL ADVISOR	CONTROL RM COMMUNICATOR (OFF DUTY STA)
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS	X	X	X	X	X					X	X
LESSON 3 - EMERGENCY CLASSIFICATION	X	X	X	X							
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS	X	X	X	X							
LESSON 5 - DOSE ASSESSMENT METHODOLOGY											
LESSON 6 - CONTAMINATED INJURED PERSON											
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING											
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY	X	X	X	X							
LESSON 9 - EVACUATION AND ACCOUNTABILITY	X	X	X	X	X						
LESSON 10 - ERDADS											
LESSON 11 - CORE DAMAGE (Procedure Review)											
LESSON 12 - TECH SUPPORT CENTER	X	X	X	X	X						
LESSON 13 - OPS SUPPORT CENTER						X	X	X	X		
LESSON 14 - EMERGENCY OPERATIONS FACILITY											
SAMG - DECISION MAKER											
SAMG - EVALUATOR											
SAMG - IMPLEMENTOR	X	X	X	X	X					X	X
SAMG - OVERVIEW											
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)											
FIRE BRIGADE TRAINING (1)						X	X	X	X		
RCA ACCESS TRAINING (RCAT)	X	X	X	X	X	X	X	X	X	X	X
RESPIRATOR TRAINING	X	X	X	X	X	X	X	X	X	X	X

1. As required for the Brigade complement.
2. Chemistry ERT members will complete JPM after Initial Training.
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4. Requalification cycle is determined by the certifying agency.
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W97:DK/dt/tr/ev

ENCLOSURE 1
(Page 2 of 10)
EMERGENCY PLAN TRAINING MATRIX

	ASSIST TO THE DUTY CALL SUPERVISOR	EMERG COORD (PLT MGR OR ALT)	TSC SUPERVISOR	TSC HEALTH PHYSICS SUPERVISOR	TSC OFFSITE TEAM LEADER	TSC HPN COMMUNICATOR	TSC TP OSC COMMUNICATOR	TSC CHEMISTRY SUPERVISOR	TSC DOSE ASSESS. TECHNICIAN	TSC DOSE ASSESS. RECORDER	TSC MAINTENANCE MANAGER
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS	X					X					
LESSON 3 - EMERGENCY CLASSIFICATION		X									
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS		X		X				X			
LESSON 5 - DOSE ASSESSMENT METHODOLOGY								X	X(2)		
LESSON 6 - CONTAMINATED INJURED PERSON				X							
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING				X	X						
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY		X	X								
LESSON 9 - EVACUATION AND ACCOUNTABILITY		X		X							
LESSON 10 - ERDADS											
LESSON 11 - CORE DAMAGE (Procedure Review)											
LESSON 12 - TECH SUPPORT CENTER		X	X	X	X	X	X	X	X	X	X
LESSON 13 - OPS SUPPORT CENTER											
LESSON 14 - EMERGENCY OPERATIONS FACILITY											
SAMG - DECISION MAKER		X	X								
SAMG - EVALUATOR											
SAMG - IMPLEMENTOR				X				X			X
SAMG - OVERVIEW											
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)											
FIRE BRIGADE - TRAINING (1)											
RCA ACCESS TRAINING (RCAT)											
RESPIRATOR TRAINING											

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ENCLOSURE 1
(Page 3 of 10)
EMERGENCY PLAN TRAINING MATRIX

	TSC OPERATIONS MANAGER	TSC SECURITY SUPV	TSC HRD COMMUNICATOR	TSC EOF COMMUNICATOR	TSC TECHNICAL ASSIST TO THE EMERGENCY COORDINATOR	TSC ENS COMMUNICATOR	TSC SITE CORPORATE COMMUNICATOR	TSC PLANT DATA COMMUNICATOR	TSC ERDADS OPERATOR	TSC LEAD ENGINEER
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS			X		X	X				
LESSON 3 - EMERGENCY CLASSIFICATION	X				X					
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS	X				X					
LESSON 5 - DOSE ASSESSMENT METHODOLOGY										
LESSON 6 - CONTAMINATED INJURED PERSON										
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING										
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY	X									
LESSON 9 - EVACUATION AND ACCOUNTABILITY		X								
LESSON 10 - ERDADS								X	X(3)	X
LESSON 11 - CORE DAMAGE (Procedure Review)										
LESSON 12 - TECH SUPPORT CENTER	X	X	X	X	X	X	X	X	X	X
LESSON 13 - OPS SUPPORT CENTER										
LESSON 19 - EMERGENCY OPERATIONS FACILITY										
SAMG - DECISION MAKER	X									
SAMG - EVALUATOR										X
SAMG - IMPLEMENTOR										
SAMG - OVERVIEW										
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)										
FIRE BRIGADE TRAINING (1)										
RCA ACCESS TRAINING (RCAT)										
RESPIRATOR TRAINING										

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W97:DK/d2/trlev

ENCLOSURE 1
(Page 4 of 10)

EMERGENCY PLAN TRAINING MATRIX

	TSC ENGINEER MAINT LIAISON	TSC DOCUMENT CONTROL PERSONNEL	TSC PLANT DATA STATUS BOARD KEEPER	TSC PROTECTION AND CONTROLS SUPERVISOR	TSC FIRE PROTECTION SUPERVISOR	TSC MECHANICAL ENGINEER	TSC REACTOR ENGINEER	TSC ELECT&IC ENGINEERING
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS								
LESSON 3 - EMERGENCY CLASSIFICATION								
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS								
LESSON 5 - DOSE ASSESSMENT METHODOLOGY								
LESSON 6 - CONTAMINATED INJURED PERSON								
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING								
LESSON 8 - QUALITY CONTROL OF EMERGENCIES AND RECOVERY								
LESSON 9 - EVACUATION AND ACCOUNTABILITY								
LESSON 10 - ERDADS	X			X	X	X	X	X
LESSON 11 - CORE DAMAGE (Procedure Review)							X	X
LESSON 12 - TECH SUPPORT CENTER	X	X	X	X	X	X	X	X
LESSON 13 - OPS SUPPORT CENTER								
LESSON 14 - EMERGENCY OPERATIONS FACILITY								
SAMG - DECISION MAKER								
SAMG - EVALUATOR						X	X	X
SAMG - IMPLEMENTOR								
SAMG - OVERVIEW								
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)								
FIRE BRIGADE TRAINING (1)								
RCA ACCESS TRAINING (RCAT)								
RESPIRATOR TRAINING								

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W97:DK/dt/tr/ev

ENCLOSURE 1
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EMERGENCY PLAN TRAINING MATRIX

	TSC LICENSED OPERATOR SUPPORT	DUTY CALL SUPERVISOR	OSC MANAGER	OSC UPERVISOR	OSC RECORDER	OSC OPERATIONS SUPERVISOR	OSC CHEMISTRY SUPERVISOR	OSC Re-entry Coord	CHEM EMERG RESPONSE TEAM MEMBERS	PARAMEDICS/ PHYSICIANS ASSTS/E.M.T.'S	OSC HEALTH PHYSICS SUPERVISOR	HEALTH PHYSICS EMERG RESPONSE TEAM MEMBERS
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS		X										
LESSON 3 - EMERGENCY CLASSIFICATION												
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS												
LESSON 5 - DOSE ASSESSMENT METHODOLOGY									X(2)			
LESSON 6 - CONTAMINATED INJURED PERSON							X		X	X	X	X
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING											X	X
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY												
LESSON 9 - EVACUATION AND ACCOUNTABILITY											X	
LESSON 10 - ERDADS												
LESSON 11 - CORE DAMAGE (Procedure Review)												
LESSON 12 - TECH SUPPORT CENTER	X											
LESSON 13 - OPS SUPPORT CENTER			X	X	X	X	X	X	X	X	X	X
LESSON 14 - EMERGENCY OPERATIONS FACILITY												
SAMG - DECISION MAKER												
SAMG - EVALUATOR												
SAMG - IMPLEMENTOR												
SAMG - OVERVIEW												
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)									X			
FIRE BRIGADE TRAINING (1)												X
RCA ACCESS TRAINING (RCAT)									X	X		X
RESPIRATOR TRAINING									X	X		X

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W97:DK/KR/tr/ev

ENCLOSURE 1
(Page 6 of 10)
EMERGENCY PLAN TRAINING MATRIX

	OSC DOSE RECORDER	OSC HEALTH PHYSICS COMMUNICATOR	OSC MECHANICAL COORD	MECH MAINT EMERG RESPONSE TEAM MEMBERS	OSC ELECTRICAL COORD	ELEC MAINT EMERG RESPONSE TEAM MEMBERS	OSC I&C COORD	I&C MAINT EMERG RESPONSE TEAM MEMBERS	ECC COMMAND POST OPERATIONS ADVISOR	SECURITY OFFICERS
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS										
LESSON 3 - EMERGENCY CLASSIFICATION										
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS										
LESSON 5 - DOSE ASSESSMENT METHODOLOGY										
LESSON 6 - CONTAMINATED INJURED PERSON										
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING										
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY										
LESSON 9 - EVACUATION AND ACCOUNTABILITY										X
LESSON 10 - ERDADS										
LESSON 11 - CORE DAMAGE (Procedure Review)										
LESSON 12 - TECH SUPPORT CENTER										
LESSON 13 - OPS SUPPORT CENTER	X	X	X	X	X	X	X	X		
LESSON 14 - EMERGENCY OPERATIONS FACILITY										
SAMG - DECISION MAKER										
SAMG - EVALUATOR										
SAMG - IMPLEMENTOR										
SAMG - OVERVIEW										
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)										
FIRE BRIGADE TRAINING (1)										
RCA ACCESS TRAINING (RCAT)				X		X		X		
RESPIRATOR TRAINING				X		X		X		

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W97:DK/JI/trlev

ENCLOSURE 1
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EMERGENCY PLAN TRAINING MATRIX

	ASSEMBLY AREA SUPERVISOR	OSC DOCUMENT CONTROL PERSONNEL	OSC MATERIAL MANAGEMENT PERSONNEL	OSC STATUS BOARD KEEPER	RECOVERY MANAGER	EMERGENCY CONTROL OFFICER	NUCLEAR DIV DUTY OFFICER	EOF RM OPS ADVISOR	EOF TSC COMMUNICATOR	
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X(7)	X(7)	X	X	
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS					X	X	X	X		
LESSON 3 - EMERGENCY CLASSIFICATION								X		
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS					X	X(6)	X(6)	X		
LESSON 5 - DOSE ASSESSMENT METHODOLOGY										
5 - CONTAMINATED INJURED PERSON										
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING										
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY					X			X		
LESSON 9 - EVACUATION AND ACCOUNTABILITY	X									
LESSON 10 - ERDADS										
LESSON 11 - CORE DAMAGE (Procedure Review)										
LESSON 12 - TECH SUPPORT CENTER										
LESSON 13 - OPS SUPPORT CENTER		X	X	X						
LESSON 14 - EMERGENCY OPERATIONS FACILITY					X	X(7)	X(7)	X	X	
SAMG - DECISION MAKER										
SAMG - EVALUATOR										
SAMG - IMPLEMENTOR										
SAMG - OVERVIEW					X			X		
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)										
FIRE BRIGADE TRAINING (1)										
RCA ACCESS TRAINING (RCAT)										
RESPIRATOR TRAINING										

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ENCLOSURE 1
(Page 8 of 10)
EMERGENCY PLAN TRAINING MATRIX

	EOF DOSE ASSESS COORDINAT OR	EOF HOT RING DOWN COMMUNICATOR	EOF ERDADS OPERATOR	EMERGENCY INFORMATION	MANAGER EM&ENG TECH ADVISORS	COUNTY EOC TECH ADVISORS	EOF NP MANAGER	EOF FIELD MONITORING COORDINATOR S	EOF FIELD MONITORING RECORDER	EOF EM&MTN COMMUNICATORS	EMERGENCY TECHNICAL MANAGER
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X (7)	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS		X								X	
LESSON 3 - EMERGENCY CLASSIFICATION											
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS							X				
LESSON 5 - DOSE ASSESSMENT METHODOLOGY	X						X				
LESSON 6 - CONTAMINATED INJURED PERSON											
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING							X				
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY							X				
LESSON 9 - EVACUATION AND ACCOUNTABILITY											
LESSON 10 - ERDADS			X								
LESSON 11 - CORE DAMAGE (Procedure Review)											
LESSON 12 - TECH SUPPORT CENTER											
LESSON 13 - OPS SUPPORT CENTER											
LESSON 15 - EMERGENCY OPERATIONS FACILITY	X	X	X	X (7)	X	X	X	X	X	X	X
SAMG - DECISION MAKER											
SAMG - EVALUATOR											
SAMG - IMPLEMENTOR											
SAMG - OVERVIEW											X
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)											
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ENCLOSURE 1
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EMERGENCY PLAN TRAINING MATRIX

	EOF ELECTRICAL/ I&C ENGINEER	EOF MECH ENGINEER	EOF NUCLEAR ENGINEER	EOF FUELS ENGINEER	EOF STATUS BOARD KEEPER	EMERGENCY SECURITY MANAGER	EOF TECH ASSISTANT TO THE RM
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS							X
LESSON 3 - EMERGENCY CLASSIFICATION							X
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS							X
LESSON 5 - DOSE ASSESSMENT METHODOLOGY							
LESSON 6 - CONTAMINATED INJURED PERSON							
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING							
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY							X
LESSON 9 - EVACUATION AND ACCOUNTABILITY							
LESSON 10 - ERDADS	X	X	X	X			
LESSON 11 - CORE DAMAGE (Procedure Review)				X			
LESSON 12 - TECH SUPPORT CENTER							
LESSON 13 - OPS SUPPORT CENTER							
LESSON 15 - EMERGENCY OPERATIONS FACILITY	X	X	X	X	X	X(5)	X
SAMG - DECISION MAKER							
SAMG - EVALUATOR							
SAMG - IMPLEMENTOR							
SAMG - OVERVIEW							X
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)							
FIRE BRIGADE TRAINING (1)							
RCA ACCESS TRAINING (RCAT)							
RESPIRATOR TRAINING							

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ENCLOSURE 1
(Page 10 of 10)

EMERGENCY PLAN TRAINING MATRIX

	EOF DOSE ASSESS RECORDER	EOF SUPERVISOR	EOF ADMIN SUPERVISOR	EOF ADMIN STAFF						
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X						
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS										
LESSON 3 - EMERGENCY CLASSIFICATION										
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS										
LESSON 5 - DOSE ASSESSMENT METHODOLOGY										
LESSON 6 - CONTAMINATED INJURED PERSON										
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING										
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY										
LESSON 9 - EVACUATION AND ACCOUNTABILITY										
LESSON 10 - ERDADS										
LESSON 11 - CORE DAMAGE (Procedure Review)										
LESSON 12 - TECH SUPPORT CENTER										
LESSON 13 - OPS SUPPORT CENTER										
LESSON 14 - EMERGENCY OPERATIONS FACILITY	X	X	X	X						
SAMG - DECISION MAKER										
SAMG - EVALUATOR										
SAMG - IMPLEMENTOR										
SAMG - OVERVIEW										
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)										
FIRE BRIGADE TRAINING (1)										
RCA ACCESS TRAINING (RCAT)										
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W97:DK/RR/ev

ENCLOSURE 2
(Page 1 of 1)

SAMG INITIAL TRAINING MATRIX

	Implementor Control Room Staff	Implementor TSC	Evaluator	Decision Maker	EOF Responders
Lesson 100 Overview for SAMG (2)	X	X	X	X	X (1)
Lesson 101 Executive Volume for the Control Room (CR) (2)	X				
Lesson 102 Severe Accident CR Guidance Initial Response (SACRG-1) (2)	X				
Lesson 103 Severe Accident CR Guidance After TSC is Functional (SACRG-2) (2)	X				
Lesson 104 Executive Volume for the TSC (2)			X		
Lesson 105 Diagnostic Flow Chart and Severe Challenge Status Tree (2)			X		
Lesson 106 Instrumentation and the SAMG (2)			X	X	
Lesson 107 SACRG-1 and SACRG-2 for the TSC (2)			X		
Lesson 108 Severe Accident Progression and Phenomena (2)	X	X	X	X	

(1) Self Review (2) or Equivalent Self-Study Module

FINAL PAGE

FPL

SEP 2 8 2000
L-2000-195
10 CFR 50.54(q)
10 CFR 50 Appendix E

Revised
10/18/00

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Plan Implementing Procedure Change

The following Emergency Plan Implementing Procedure has been revised: 0-EPIP-20201, "Maintaining Emergency Preparedness – Radiological Emergency Plan Training."

Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of the revised procedure is enclosed. A summary of changes to the procedure is attached. The implementation date for this procedure revision was September 15, 2000. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

CLM

Attachment, enclosure

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

A045

ML003737598

SUMMMARY OF CHANGES

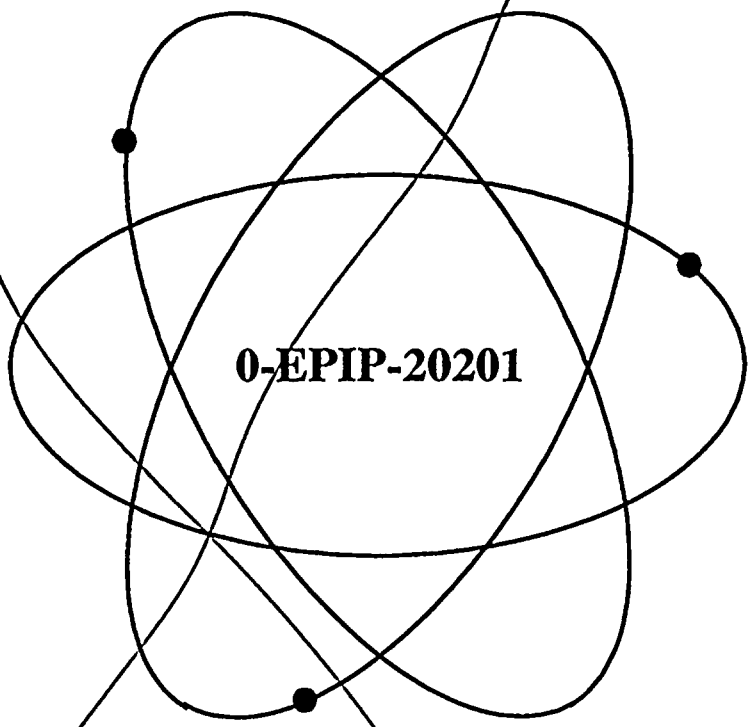
0-EPIP-20201, Maintaining Emergency Preparedness – Radiological Emergency Plan Training

The changes for 0-EPIP-20201 are summarized as follows:

- Page 8 is being changed to permit student evaluation methods other than written examination.
- Page 11 is being revised to delete Lesson 3, *Emergency Classification*, Lesson 4, *Radiological Assessment Protective Action Recommendations*, and Lesson 8, *Management Control of Emergencies and Recovery from the Reactor Control Operator (RCO) Position*. The RCO can no longer fill the EC position. These lesson plans should have been removed from the required training for the position when the position requirements were changed.
- Page 15 is being revised to move the designation for Lesson 6, *Contaminated Injured Person*, from the OSC Re-Entry Coordinator to the Chemistry Emergency Response Team Members, to correct a typographical error.

Florida Power & Light Company

Turkey Point Nuclear Plant



0-EPIP-20201

Title:

Maintaining Emergency Preparedness - Radiological Emergency Plan Training

Safety Related Procedure

Responsible Department:	Emergency Preparedness
Revision Approval Date:	9/29/99
Periodic Review Due:	5/11/04
Implementation Date:	9/30/99

***RTSs** 96-0438P, 97-0554, 97-1090, 99-0307, 99-0825P*

*/WDJ/dt/bvc/lr

LIST OF EFFECTIVE PAGES

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3	05/12/99
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21	05/12/99

TABLE OF CONTENTS

1.0 PURPOSE

1.1 This procedure provides requirements for periodic training of individuals who may have to respond to a radiological emergency at Turkey Point Nuclear Plant.

2.0 REFERENCES/RECORDS REQUIRED/COMMITMENT DOCUMENTS

2.1 References

2.1.1 Plant Procedures

1. 0-ADM-016, Fire Protection Program
2. 0-EPIP-20101, Duties of Emergency Coordinator
3. 0-EPIP-20104, Duty Call Notifications/Staff Augmentation
4. 0-EPIP-20110, Criteria for, and Conduct of Owner Controlled Area Evacuation
5. 0-EPIP-20112, Communication Network
6. 0-EPIP-20126, Off-Site Dose Calculations
7. 0-EPIP-20129, Emergency Radiation Team Response - OffSite
8. 0-HPS-026.1, Decontamination of Personnel
9. 0-HPS-090, Inventory of Health Physics Emergency Equipment

2.1.2 Regulatory Guidelines

1. 10 CFR 50.47
2. 10 CFR 50 Appendix E
3. NUREG 0654, Revision 1
4. American National Standard ANSI/ANS-3.8.4-1987

2.1.3 Miscellaneous Documents (PC/Ms, Correspondence, etc.)

1. Turkey Point Plant Radiological Emergency Plan
2. Training Department Administrative Guidelines

2.2 Records Required

2.2.1 Records documenting the Emergency Preparedness Training received by individuals are Quality Assurance records and, therefore, shall be retained in accordance with Quality Assurance records requirements.

2.3 Commitment Documents

2.3.1 QAO-PTN-90-054

3.0 RESPONSIBILITIES

3.1 The Protection Services Manager has the overall responsibility for Emergency Preparedness Training.

3.2 The Training Manager is responsible for the following:

3.2.1 Ensuring all Emergency Preparedness Training is conducted using the references listed herein with the exception of Security Force Training.

3.2.2 Training of all individuals requiring unescorted access onsite, describing the action to be taken by an individual discovering an emergency condition, the location of assembly areas, the identification of emergency alarms, and the action to be taken upon activation of those alarms.

3.2.3 Ensuring lesson plans are maintained current.

3.2.4 Ensuring training requirements are tracked.

3.3 The Emergency Preparedness Coordinator is responsible for ensuring accuracy in all Emergency Preparedness Training Programs.

3.3.1 The Emergency Preparedness Coordinator should coordinate with designated training instructors and assist with organizing lesson plan content.

3.3.2 The Emergency Preparedness Coordinator approves all Emergency Preparedness Lesson Plans and Training Schedules.

3.3.3 The Emergency Preparedness Coordinator should notify the Training Manager of changes in the Emergency Plan Implementing Procedures that justify additional training to emergency response personnel or which require changes to Emergency Preparedness Training Lesson Plans.

3.4 The Security Training Coordinator shall be responsible for ensuring Security Team personnel are trained using the Security Force Training Program requirements and this procedure.

3.5 Discipline Supervisors are responsible for ensuring their personnel attend the required training in accordance with this procedure, and qualifications are maintained current.

4.0 DEFINITIONS

4.1 Annual - Occurring once per calendar year (January 1 through December 31).

4.2 Emergency Response Directory (ERD) - The directory containing names and phone numbers of Emergency Response Organization personnel.

4.3 Emergency Response Facility (ERF) - Those facilities that would be activated to support response to an emergency situation. These facilities include the Technical Support Center, the Operations Support Center, and the Emergency Operations Facility.

4.4 Emergency Response Organization (ERO) - That portion of the FPL organization assigned responsibilities upon initiation of the Turkey Point Radiological Emergency Plan.

5.0 PROCEDURE

NOTES

- *This procedure does not cover periodic training requirements for plant personnel in performance of their daily job tasks.*
- *The matrix in Enclosure 1 does not include Supervisor Fitness for Duty Training, because Supervisor Fitness for Duty Training is administered to all personnel at the time of General Employee Training (GET).*
- *Any changes in required actions or response by emergency responders due to revisions in the emergency procedures shall be presented to those personnel on a periodic basis.*
- *Under extreme circumstances, the Emergency Coordinator has the authority to waive individuals emergency response training requirements.*
- *In order to maintain emergency preparedness, personnel working at Turkey Point Plant shall be familiar with certain preplanned actions in the Emergency Plan through training in the Turkey Point Emergency Plan Implementing Procedures.*
- *The Turkey Point Plant Radiological Emergency Plan is the governing document describing training requirements.*
- *Training governed by this procedure will be administered in accordance with Training Department Administrative Guidelines.*

5.1 Emergency Plan Training

5.1.1 General

1. Emergency Response Organization personnel shall receive initial training prior to being listed in the Emergency Response Directory and shall receive re-qualification or continuing training annually, unless otherwise specified in Enclosure 1.

2. For administrative and scheduling purposes, a 12 month training period plus 3 month grace period should be used. Training is required to be performed once per calendar year (January 1 through December 31).

3. As necessary, Emergency Response Organization personnel should receive training relevant to emergency plan changes as soon as practical. This training may be conducted through the use of special instruction memorandums, training briefs and/or classroom presentation.

5.1.1 (Cont'd)

4. The following Emergency Response Organization positions are common to both PTN and PSL, and can receive training from either the PTN or PSL training programs:

   a. Nuclear Division Duty Officer

   b. Emergency Control Officer

   c. Emergency Information Manager

5.1.2 Initial Training

1. Initial training should be formal classroom presentation on subjects identified in Enclosure 1.

2. Initial training should include an Emergency Response Facility tour and may include Job Performance Measure(s) or a practical demonstration.

3. Successful completion of initial training should be evaluated by written exam.

5.1.3 Continuing Training

1. Continuing training is normally in the form of lecture and may include, but is not limited to, the lessons per ERO position as identified in Enclosure 1.

2. Continuing training content may include facility tours, job performance measure(s), practical demonstrations, drills/exercises, industry event reviews and drill critique reviews.

3. Successful completion of Continuing Training should be evaluated by written exam.

5.2 Severe Accident Management Guidelines (SAMG) Training

5.2.1 Enclosure 1 specifies the emergency response positions which require SAMG training.

5.2.2 Enclosure 2 specifies the training modules provided to responders designated in Enclosure 1 as Implementors, Evaluators, or Decision Makers of SAMG criteria.

5.2.3 Enclosure 2 specifies initial training requirements for SAMG Training.

5.2.4 Continuing training should be performed on a 2 year cycle, during the calendar year in which it is due.

5.2.5 Continuing training may be accomplished by participation in a table top drill.

5.2.6 SAMG training does not require a written test.

5.3 Tracking Process for Emergency Preparedness Training

5.3.1 The tracking process and responsibilities for Emergency Preparedness training will be performed as follows:

1. Training shall be accomplished in accordance with Subsections 5.1 and 5.2.

2. All documentation shall be maintained by the Training Department except for Security Records which shall be maintained by the Security Department.

3. All training requirements shall be tracked by the Nuclear Training Department.

5.4 State and Local Government Training

5.4.1 The Emergency Preparedness Coordinator shall provide training to the members of the offsite emergency organization as follows:

1. Training shall be made available to each contract local hospital at least once each calendar year. The content of that training should consist of radiological controls, medical consideration of contaminated injuries, and other topics as appropriate.

2. Training on the plant, its emergency response and the emergency action levels shall be made available to each State and local emergency management agency at least once each calendar year. This training may be in the form of a presentation, text, or other acceptable means.

5.5 Public Information Interface Training

5.5.1 The Emergency Preparedness Coordinator shall offer the local media at least once each calendar year, an overview of the plant, its emergency response, where to go to get news information and other pertinent data. This may be done in the form of a presentation, information packet, or by direct interfacing.

END OF TEXT

*/WDJ/dt/ev/bvc

ENCLOSURE 1
(Page 1 of 10)

EMERGENCY PLAN TRAINING MATRIX

	NUCLEAR PLANT SUPERVISOR	ASST NUCLEAR PLANT SUPV.	NUCLEAR WATCH ENGINEER	SR REACTOR CONTROL OPERATOR	REACTOR CONTROL OPERATOR	SR NUCLEAR PLANT OPERATOR	NUCLEAR OPERATOR	NUCLEAR PLANT OPERATOR	ASST NUCLEAR PLANT OPERATOR	SHIFT TECHNICAL ADVISOR	CONTROL RM COMMUNICATOR (OFF DUTY STA)
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS	X	X	X	X	X					X	X
LESSON 3 - EMERGENCY CLASSIFICATION	X	X	X	X	X						
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS	X	X	X	X	X						
LESSON 5 - DOSE ASSESSMENT METHODOLOGY											
LESSON 6 - CONTAMINATED INJURED PERSON											
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING											
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY	X	X	X	X	X						
LESSON 9 - EVACUATION AND ACCOUNTABILITY	X	X	X	X	X						
LESSON 10 - ERDADS											
LESSON 11 - CORE DAMAGE (Procedure Review)											
LESSON 12 - TECH SUPPORT CENTER	X	X	X	X	X						
LESSON 13 - OPS SUPPORT CENTER						X	X	X	X		
LESSON 19 - EMERGENCY OPERATIONS FACILITY											
SAMG - DECISION MAKER											
SAMG - EVALUATOR											
SAMG - IMPLEMENTOR	X	X	X	X	X					X	X
SAMG - OVERVIEW											
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)											
FIRE BRIGADE TRAINING (1)						X	X	X	X		
RCA ACCESS TRAINING (RCAT)	X	X	X	X	X	X	X	X	X	X	X
RESPIRATOR TRAINING	X	X	X	X	X	X	X	X	X	X	X

1. As required for the Brigade complement.
2. Chemistry ERT members will complete JPM after Initial Training.
3. Due to their technical background, Reactor Eng Dept. ERDADS Engineers are exempt from ERDADS Training.
4. Requalification cycle is determined by the certifying agency.
5. Position requires training on operation of the intoxilizer and background check within last 3 years.
6. PSL or PTN Training may be acceptable
7. PSL/PTN common responder version.

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ENCLOSURE 1
(Page 2 of 10)
EMERGENCY PLAN TRAINING MATRIX

	ASSIST TO THE DUTY CALL SUPERVISOR	EMERG COORD (PLT MGR OR ALT)	TSC SUPERVISOR	TSC HEALTH PHYSICS SUPERVISOR	TSC OFFSITE TEAM LEADER	TSC HPN COMMUNICA-TOR	TSC HP OSC COMMUNICA-TOR	TSC CHEMISTRY SUPERVISOR	TSC DOSE ASSESS. TECHNICIAN	TSC DOSE ASSESS. RECORDER	TSC MAINTENANCE MANAGER
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS	X					X					
LESSON 3 - EMERGENCY CLASSIFICATION		X									
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS		X		X				X			
LESSON 5 - DOSE ASSESSMENT METHODOLOGY								X	X(2)		
LESSON 6 - CONTAMINATED INJURED PERSON				X							
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING				X	X						
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY		X	X								
LESSON 9 - EVACUATION AND ACCOUNTABILITY		X		X							
LESSON 10 - ERDADS											
LESSON 11 - CORE DAMAGE (Procedure Review)											
LESSON 12 - TECH SUPPORT CENTER		X	X	X	X	X	X	X	X	X	X
LESSON 13 - OPS SUPPORT CENTER											
LESSON 19 - EMERGENCY OPERATIONS FACILITY											
SAMG - DECISION MAKER		X	X								
SAMG - EVALUATOR											
SAMG - IMPLEMENTOR				X				X			X
SAMG - OVERVIEW											
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)											
FIRE BRIGADE - TRAINING (1)											
RCA ACCESS TRAINING (RCAT)											
RESPIRATOR TRAINING											

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ENCLOSURE 1
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EMERGENCY PLAN TRAINING MATRIX

	TSC OPERATIONS MANAGER	TSC SECURITY SUPV	TSC HRD COMMUNICATOR	TSC EOF COMMUNICATOR	TSC TECHNICAL ASSIST TO THE EMERGENCY COORDINATOR	TSC ENS COMMUNICATOR	TSC SITE CORPORATE COMMUNICATOR	TSC PLANT DATA COMMUNICATOR	TSC ERDADS OPERATOR	TSC LEAD ENGINEER
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS			X		X	X				
LESSON 3 - EMERGENCY CLASSIFICATION	X				X					
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS	X				X					
LESSON 5 - DOSE ASSESSMENT METHODOLOGY										
LESSON 6 - CONTAMINATED INJURED PERSON										
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING										
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY	X									
LESSON 9 - EVACUATION AND ACCOUNTABILITY		X								
LESSON 10 - ERDADS								X	X(3)	X
LESSON 11 - CORE DAMAGE (Procedure Review)										
LESSON 12 - TECH SUPPORT CENTER	X	X	X	X	X	X	X	X	X	X
LESSON 13 - OPS SUPPORT CENTER										
LESSON 19 - EMERGENCY OPERATIONS FACILITY										
SAMG - DECISION MAKER	X									
SAMG - EVALUATOR										X
SAMG - IMPLEMENTOR										
SAMG - OVERVIEW										
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)										
FIRE BRIGADE TRAINING (1)										
RCA ACCESS TRAINING (RCAT)										
RESPIRATOR TRAINING										

1. As required for the Brigade complement.
2. Chemistry ERT members will complete JPM after Initial Training.
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6. PSL or PTN Training may be acceptable
7. PSL/PTN common responder version.

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ENCLOSURE 1
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EMERGENCY PLAN TRAINING MATRIX

	TSC ENGINEER MAINT LIAISON	TSC DOCUMENT CONTROL PERSONNEL	TSC PLANT DATA STATUS BOARD KEEPER	TSC PROTECTION AND CONTROLS SUPERVISOR	TSC FIRE PROTECTION SUPERVISOR	TSC MECHANICAL ENGINEER	TSC REACTOR ENGINEER	TSC ELECT/I&C ENGINEERING
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS								
LESSON 3 - EMERGENCY CLASSIFICATION								
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS								
LESSON 5 - DOSE ASSESSMENT METHODOLOGY								
LESSON 6 - CONTAMINATED INJURED PERSON								
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING								
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY								
LESSON 9 - EVACUATION AND ACCOUNTABILITY								
LESSON 10 - ERDADS	X			X	X	X	X	X
LESSON 11 - CORE DAMAGE (Procedure Review)							X	X
LESSON 12 - TECH SUPPORT CENTER	X	X	X	X	X	X	X	X
LESSON 13 - OPS SUPPORT CENTER								
LESSON 19 - EMERGENCY OPERATIONS FACILITY								
SAMG - DECISION MAKER								
SAMG - EVALUATOR						X	X	X
SAMG - IMPLEMENTOR								
SAMG - OVERVIEW								
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)								
FIRE BRIGADE TRAINING (1)								
RCA ACCESS TRAINING (RCAT)								
RESPIRATOR TRAINING								

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7. PSL/PTN common responder version.

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ENCLOSURE 1
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EMERGENCY PLAN TRAINING MATRIX

	TSC LICENSED OPERATOR SUPPORT	DUTY CALL SUPERVISOR	OSC MANAGER	OSC SUPERVISOR	OSC RECORDER	OSC OPERATIONS SUPERVISOR	OSC CHEMISTRY SUPERVISOR	OSC Re-entry Coord	CHEM EMERG RESPONSE TEAM MEMBERS	PARAMEDICS/ PHYSICIANS ASSTS/E.M.T.'S	OSC HEALTH PHYSICS SUPERVISOR	HEALTH PHYSICS EMERG RESPONSE TEAM MEMBERS
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS		X										
LESSON 3 - EMERGENCY CLASSIFICATION												
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS												
LESSON 5 - DOSE ASSESSMENT METHODOLOGY									X(2)			
LESSON 6 - CONTAMINATED INJURED PERSON							X	X		X	X	X
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING											X	X
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY												
LESSON 9 - EVACUATION AND ACCOUNTABILITY											X	
LESSON 10 - ERDADS												
LESSON 11 - CORE DAMAGE (Procedure Review)												
LESSON 12 - TECH SUPPORT CENTER	X											
LESSON 13 - OPS SUPPORT CENTER			X	X	X	X	X	X	X	X	X	X
LESSON 19 - EMERGENCY OPERATIONS FACILITY												
SAMG - DECISION MAKER												
SAMG - EVALUATOR												
SAMG - IMPLEMENTOR												
SAMG - OVERVIEW												
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)									X			
FIRE BRIGADE TRAINING (1)												X
RCA ACCESS TRAINING (RCAT)									X	X		X
RESPIRATOR TRAINING									X	X		X

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ENCLOSURE 1
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EMERGENCY PLAN TRAINING MATRIX

	OSC DOSE RECORDER	OSC HEALTH PHYSICS COMMUNICATOR	OSC MECHANICAL COOR'D	MECH MAINT EMERG RESPONSE TEAM MEMBERS	OSC ELECTRICAL COOR'D	ELEC MAINT EMERG RESPONSE TEAM MEMBERS	OSC I&C COOR'D	I&C MAINT EMERG RESPONSE TEAM MEMBERS	SEC COMMAND POST OPERATIONS ADVISOR	SECURITY OFFICERS
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS										
LESSON 3 - EMERGENCY CLASSIFICATION.										
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS										
LESSON 5 - DOSE ASSESSMENT METHODOLOGY										
LESSON 6 - CONTAMINATED INJURED PERSON										
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING										
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY										
LESSON 9 - EVACUATION AND ACCOUNTABILITY										X
LESSON 10 - ERDADS										
LESSON 11 - CORE DAMAGE (Procedure Review)										
LESSON 12 - TECH SUPPORT CENTER										
LESSON 13 - OPS SUPPORT CENTER	X	X	X	X	X	X	X	X		
LESSON 19 - EMERGENCY OPERATIONS FACILITY										
SAMG - DECISION MAKER										
SAMG - EVALUATOR										
SAMG - IMPLEMENTOR										
SAMG - OVERVIEW										
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)										
FIRE BRIGADE TRAINING (1)										
RCA ACCESS TRAINING (RCAT)				X		X		X		
RESPIRATOR TRAINING				X		X		X		

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ENCLOSURE 1
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EMERGENCY PLAN TRAINING MATRIX

	ASSEMBLY AREA SUPERVISOR	OSC DOCUMENT CONTROL PERSONNEL	OSC MATERIAL MANAGEMENT PERSONNEL	OSC STATUS BOARD KEEPER	RECOVERY MANAGER	EMERGENCY CONTROL OFFICER	NUCLEAR DIV DUTY OFFICER	EOF RM OPS ADVISOR	EOF TSC COMMUNICATOR
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X (7)	X (7)	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS					X	X	X	X	
LESSON 3 - EMERGENCY CLASSIFICATION								X	
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS					X	X (6)	X (6)	X	
LESSON 5 - DOSE ASSESSMENT METHODOLOGY									
LESSON 6 - CONTAMINATED INJURED PERSON									
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING									
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY					X			X	
LESSON 9 - EVACUATION AND ACCOUNTABILITY	X								
LESSON 10 - ERDADS									
LESSON 11 - CORE DAMAGE (Procedure Review)									
LESSON 12 - TECH SUPPORT CENTER									
LESSON 13 - OPS SUPPORT CENTER		X	X	X					
LESSON 19 - EMERGENCY OPERATIONS FACILITY					X	X (7)	X (7)	X	X
SAMG - DECISION MAKER									
SAMG - EVALUATOR									
SAMG - IMPLEMENTOR									
SAMG - OVERVIEW					X			X	
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)									
FIRE BRIGADE TRAINING (1)									
RCA ACCESS TRAINING (RCAT)									
RESPIRATOR TRAINING									

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ENCLOSURE 1
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EMERGENCY PLAN TRAINING MATRIX

	EOF DOSE ASSESS COORDINATOR	EOF HOT RING DOWN COMMUNICATOR	EOF ERDADS OPERATOR	EMERGENCY INFORMATION MANAGER	EIM/ENC TECH ADVISORS	COUNTY EOC TECH ADVISORS	EOF HP MANAGER	EOF FIELD MONITORING COORDINATORS	EOF FIELD MONITORING RECORDER	EOF ENS/HPN COMMUNICATORS	EMERGENCY TECHNICAL MANAGER
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X (7)	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS		X								X	
LESSON 3 - EMERGENCY CLASSIFICATION											
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS							X				
LESSON 5 - DOSE ASSESSMENT METHODOLOGY	X						X				
LESSON 6 - CONTAMINATED INJURED PERSON											
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING							X				
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY							X				
LESSON 9 - EVACUATION AND ACCOUNTABILITY											
LESSON 10 - ERDADS			X								
LESSON 11 - CORE DAMAGE (Procedure Review)											
LESSON 12 - TECH SUPPORT CENTER											
LESSON 13 - OPS SUPPORT CENTER											
LESSON 19 - EMERGENCY OPERATIONS FACILITY	X	X	X	X (7)	X	X	X	X	X	X	X
SAMG - DECISION MAKER											
SAMG - EVALUATOR											
SAMG - IMPLEMENTOR											
SAMG - OVERVIEW											X
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)											
FIRE BRIGADE TRAINING (1)											
RCA ACCESS TRAINING(RCAT)											
RESPIRATOR TRAINING											

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ENCLOSURE 1
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EMERGENCY PLAN TRAINING MATRIX

	EOF ELECTRICAL/ I&C ENGINEER	EOF MECH ENGINEER	EOF NUCLEAR ENGINEER	EOF FUELS ENGINEER	EOF STATUS BOARD KEEPER	EMERGENCY SECURITY MANAGER	EOF TECH ASSISTANT TO THE RM
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X	X	X	X
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS							X
LESSON 3 - EMERGENCY CLASSIFICATION							X
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS							X
LESSON 5 - DOSE ASSESSMENT METHODOLOGY							
LESSON 6 - CONTAMINATED INJURED PERSON							
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING							
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY							X
LESSON 9 - EVACUATION AND ACCOUNTABILITY							
LESSON 10 - ERDADS	X	X	X	X			
LESSON 11 - CORE DAMAGE (Procedure Review)				X			
LESSON 12 - TECH SUPPORT CENTER							
LESSON 13 - OPS SUPPORT CENTER							
LESSON 19 - EMERGENCY OPERATIONS FACILITY	X	X	X	X	X	X(5)	X
SAMG - DECISION MAKER							
SAMG - EVALUATOR							
SAMG - IMPLEMENTOR							
SAMG - OVERVIEW							X
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)							
FIRE BRIGADE TRAINING (1)							
RCA ACCESS TRAINING (RCAT)							
RESPIRATOR TRAINING							

1. As required for the Brigade complement.
2. Chemistry ERT members will complete JPM after Initial Training.
3. Due to their technical background, Reactor Eng Dept. ERDADS Engineers are exempt from ERDADS Training.
4. Requalification cycle is determined by the certifying agency.
5. Position requires training on operation of the intoxilizer and background check within last 3 years.
6. PSL or PTN Training may be acceptable
7. PSL/PTN common responder version.

MR/dt/bvc/lr

ENCLOSURE 1
(Page 10 of 10)

EMERGENCY PLAN TRAINING MATRIX

	EOF DOSE ASSESS RECORDER	EOF SUPERVISOR	EOF ADMIN SUPERVISOR	EOF ADMIN STAFF						
LESSON 1 - EMERGENCY PLAN OVERVIEW	X	X	X	X						
LESSON 2 - NOTIFICATIONS/ COMMUNICATIONS										
LESSON 3 - EMERGENCY CLASSIFICATION										
LESSON 4 - RADIOLOGICAL ASSMT PROT ACTION RECOMMENDATIONS										
LESSON 5 - DOSE ASSESSMENT METHODOLOGY										
LESSON 6 - CONTAMINATED INJURED PERSON										
LESSON 7 - ONSITE/OFFSITE RADIOLOGICAL MONITORING										
LESSON 8 - MGMT CONTROL OF EMERGENCIES AND RECOVERY										
LESSON 9 - EVACUATION AND ACCOUNTABILITY										
LESSON 10 - ERDADS										
LESSON 11 - CORE DAMAGE (Procedure Review)										
LESSON 12 - TECH SUPPORT CENTER										
LESSON 13 - OPS SUPPORT CENTER										
LESSON 19 - EMERGENCY OPERATIONS FACILITY	X	X	X	X						
SAMG - DECISION MAKER										
SAMG - EVALUATOR										
SAMG - IMPLEMENTOR										
SAMG - OVERVIEW										
RED CROSS MULTI MEDIA FIRST AID AND ADULT CPR OR EQUIVALENT AND BLOODBORNE PATHOGEN (4)										
FIRE BRIGADE TRAINING (1)										
RCA ACCESS TRAINING (RCAT)										
RESPIRATOR TRAINING										

1. As required for the Brigade complement.
2. Chemistry ERT members will complete JPM after Initial Training.
3. Due to their technical background, Reactor Eng Dept. ERDADS Engineers are exempt from ERDADS Training.
4. Requalification cycle is determined by the certifying agency.
5. Position requires training on operation of the intoxilizer and background check within last 3 years.
6. PSL or PTN Training may be acceptable
7. PSL/PTN common responder version.

MR/dt/bvc/lr

ENCLOSURE 2
(Page 1 of 1)

SAMG INITIAL TRAINING MATRIX

	Implementor Control Room Staff	Implementor TSC	Evaluator	Decision Maker	EOF Responders
Lesson 100 Overview for SAMG (2)	X	X	X	X	X (1)
Lesson 101 Executive Volume for the Control Room (CR) (2)	X				
Lesson 102 Severe Accident CR Guidance Initial Response (SACRG-1) (2)	X				
Lesson 103 Severe Accident CR Guidance After TSC is Functional (SACRG-2) (2)	X				
Lesson 104 Executive Volume for the TSC (2)			X		
Lesson 105 Diagnostic Flow Chart and Severe Challenge Status Tree (2)			X		
Lesson 106 Instrumentation and the SAMG (2)			X	X	
Lesson 107 SACRG-1 and SACRG-2 for the TSC (2)			X		
Lesson 108 Severe Accident Progression and Phenomena (2)	X	X	X	X	

(1) Self Review (2) or Equivalent Self-Study Module

FINAL PAGE

*/WDJ/dl/ev/bvc

50-250
8/30/00
Revised
10/18/00

Distri43.txt
Distribution Sheet

Priority: Normal

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Subject:
Turkey Point, Units 3 & 4 Emergency Plan Implementing Procedure Change for 0-EPIP-20106

Body:
ADAMS DISTRIBUTION NOTIFICATION.

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A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Correspondence

Docket: 05000250
Docket: 05000251

FPL

AUG 3 0 2000
L-2000-182
10 CFR 50.54(q)
10 CFR 50 Appendix E

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Plan Implementing Procedure Change

The following Emergency Plan Implementing Procedure has been revised: 0-EPIP-20106, "Natural Emergencies."

Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of the revised procedure is enclosed. A summary of changes to the procedure is attached. The implementation date for this procedure revision was August 21, 2000. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

CLM

Attachment, enclosure

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

A045

ML003747328

SUMMMARY OF CHANGES

0-EPIP-20106, Natural Emergencies

The changes for 0-EPIP-20106 are summarized as follows:

- Page 39 was revised to include a requirement for verifying that the portable diesel fuel tank is topped off after the storm.
- Page 49 was revised to include a responsibility for the TSC Chemistry Supervisor to make arrangements with diesel oil suppliers for possible emergency deliveries.
- Some steps were relocated to adjacent pages, to accommodate the additions described above.

50-250
7/12/00
Revised
8/21/00

Distri14.txt

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Turkey Point Units 3 and 4 Emergency Plan Implementing Procedure Change for 0-EPIP-20133, "Operations Support Center (OSC) Activation and Operation"

Body:
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7/18

A045 - OR Submittal: Emergency Preparedness Plans, Implementing Procedures, Correspondence

Docket: 05000250
Docket: 05000251

FPL

JUL 12 2000

L-2000-153
10 CFR 50.54(q)
10 CFR 50 Appendix E

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Plan Implementing Procedure Change

The following Emergency Plan Implementing Procedure has been revised:
0-EPIP-20133, Operations Support Center (OSC) Activation and Operation

Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of the revised procedure is enclosed. A summary of changes to the procedure is attached. The implementation date for the revision was June 27, 2000. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

CLM

Attachment, enclosures

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

A045

ML003733043

SUMMMARY OF CHANGES

Add clear guidance for developing emergency response teams and dispatching and or redirecting them from the OSC.

Add guidance to the OSC Supervisor's responsibilities to help monitor the OSC Manager's phone ties to the TSC.

Add guidance to the OSC Operations Supervisor's responsibilities to request assistance from the Nuclear Watch Engineer.

Add new instructions for the OSC HP Supervisor to obtain vehicles (keys) for Offsite Field Monitoring.

Enhance instructions for the OSC Recorder to update the OSC Manager with information from the TSC Maintenance Manager periodically or as necessary.

Added new instructions for the OSC Plant Status Board Keeper. The Sequence of Events Board was eliminated from the OSC and replaced with a Plant Data/Plant Layout Board.

50-250
6/22/00
Revised
7/20/00

Distri45.txt

Distribution Sheet

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Subject:
Turkey Point, Units 3 & 4, Emergency Plan Implementing Procedure Change

Body:
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spondence

Docket: 05000250
Docket: 05000251

FPL

JUN 2 2 2000
L-2000-139
10 CFR 50.54(q)
10 CFR 50 Appendix E

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Emergency Plan Implementing Procedure Change

The following Emergency Plan Implementing Procedures have been revised:
0-EPIP-20101, Duties of the Emergency Coordinator
0-EPIP-20132, Technical Support Center (TSC) Activation and Operation
0-EPIP-1102, Duties of the Recovery Manager
0-EPIP-1212, Emergency Operation Facility (EOF) Activation and Operation
0-EPIP-20104, Emergency Response Organization Notification/Staff Augmentation
0-EPIP-20126, "Offsite Dose Calculations"

Pursuant to the requirements of 10 CFR 50.54(q) and 10 CFR 50 Appendix E, one copy of each of the revised procedures is enclosed. A summary of changes to each procedure is attached. The implementation date for the revisions was June 1, 2000, for all but 0-EPIP-20126. The implementation date for the revision to 0-EPIP-20126 was June 8, 2000. FPL has determined that the changes described do not result in a decrease in the effectiveness of the Emergency Plan.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

CLM

Attachment, enclosures

cc: Regional Administrator, Region II, USNRC (2 copies)
Senior Resident Inspector, USNRC, Turkey Point Plant (w/o enclosure)

A045

ML003727548

SUMMMARY OF CHANGES

The changes for 0-EPIP-20101, 0-EPIP-20132, 0-EPIP-1102, 0-EPIP-1212, and 0-EPIP-20104 are summarized as follows:

Change to the State of Florida Notification Form by the State of Florida.

The title of the form has changed from "State of Florida Notification Message Form for Nuclear Power Plants" to "Florida Nuclear Plant Emergency Notification Form."

The form now contains a Supplemental Data Sheet that is required to be completed after the TSC is declared Operational or for an Alert or higher. The Supplemental Data Sheet contains radiological dose assessment data and a new information section requiring plant conditions information.

A Signature Approval section for the EC or RM has been added to both pages of the new notification form.

0-EPIP-20126, Offsite Dose Calculations

Pg 13 , Step 5.4.1.6
Step was revised to correct references to guidance and method.

Page 17, table of Process Radiation Monitoring System parameters :
Change "Background" to "Routine Reading," to clarify the meaning of the value in this column.

Page 18, "For Steam Generator tube Rupture," values were corrected to reflect current SGTR analysis.

Page 20, Instruction group "A"
Insert a new step 7, to describe computer login at the EOF

Pages 54, 55,5 6, and 57:
Incorporate Operations' definition of a 'dry S/G' for the purposes of determining if the tube leak is above or below the water line.

Page 58 :
Insert a 'new' page to incorporate an additional method to estimate a SGTR release rate.

Several editorial changes were made to conform to guidance on procedure format.

Distribution Sheet

50-250 2/23/00

Priority: Normal

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Library: ML_ADAMS^HQNTAD01
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Subject:
1999 Annual Reports of Occupational Exposure, and Reactor Coolant Specific Activity L imits

Body:
ADAMS DISTRIBUTION NOTIFICATION.

Electronic Recipients can RIGHT CLICK and OPEN the first Attachment to View the Document in ADAMS. The Document may also be viewed by searching for Accession Number ML003686973.

Docket: 05000250
Docket: 05000251

FPL

FEB 2 3 2000

L-2000-048
10 CFR 50.36

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
1999 Annual Reports of Occupational Exposure, and
Reactor Coolant Specific Activity Limits

Attached is a tabulation of the 1999 occupational exposure data for Turkey Point Units 3 and 4 as required by Technical Specification 6.9.1.2.a. Deep dose equivalent exposure by Direct Reading Dosimeter (DRD) was 137.984 person-rem. Deep dose equivalent exposure by Thermoluminescent Dosimeter (TLD) was 127.791 person-rem. Deep dose equivalent exposure by TLD includes conservative application of dose due to lost or damaged dosimetry and neutron exposure.

In accordance with Technical Specification 6.9.1.2.b, the reactor coolant specific activity limits of 100/E-bar micro curies per gram of gross radioactivity, and 1.0 microcurie per gram Dose Equivalent I-131 defined by Technical Specification 3.4.8 for Units 3 and 4, were not exceeded during 1999.

Should there be any questions regarding this information, please contact us.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

GSS

Attachment

cc: Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant

ML003686973

TE50

Feb 17, 2000

FLORIDA POWER & LIGHT COMPANY
TURKEY POINT NUCLEAR STATION
Regulatory Guide 1.16 Information
End of Year Person-rem Report 1999

Work and Job Function	Number of Personnel > 100 mrem			Total man-rem		
	Station	Utility	Contractor	Station[1]	Utility[1]	Contractor[1]
ROUTINE OPERATIONS AND SURVEILLANCE						
MAINTENANCE AND CONSTRUCTION	0	0	0	0.185	0.000	0.000
OPERATIONS	0	0	0	0.044	0.000	0.000
HEALTH PHYSICS	0	0	0	0.112	0.000	0.000
SUPERVISORY	0	0	0	0.000	0.000	0.000
ENGINEERING	0	0	0	0.085	0.000	0.000
ROUTINE PLANT MAINTENANCE						
MAINTENANCE AND CONSTRUCTION	139	0	108	35.468	0.007	24.564
OPERATIONS	28	0	1	8.110	0.000	0.659
HEALTH PHYSICS	28	0	31	8.857	0.002	8.137
SUPERVISORY	1	0	1	0.988	0.080	0.709
ENGINEERING	12	0	4	3.419	0.051	0.972
INSERVICE INSPECTION						
MAINTENANCE AND CONSTRUCTION	0	0	30	0.395	0.000	8.723
OPERATIONS	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS	0	0	0	0.000	0.000	0.000
SUPERVISORY	0	0	1	0.000	0.013	0.305
ENGINEERING	0	0	4	0.136	0.116	1.072
SPECIAL PLANT MAINTENANCE						
MAINTENANCE AND CONSTRUCTION	0	0	0	0.001	0.000	0.000
OPERATIONS	0	0	0	0.000	0.000	0.000
HEALTH PHYSICS	0	0	0	0.004	0.000	0.000
SUPERVISORY	0	0	0	0.000	0.000	0.007
ENGINEERING	0	0	0	0.020	0.000	0.000
WASTE PROCESSING						
MAINTENANCE AND CONSTRUCTION	3	0	0	0.392	0.000	0.012
OPERATIONS	0	0	0	0.016	0.000	0.055
HEALTH PHYSICS	0	0	0	0.103	0.000	0.000
SUPERVISORY	0	0	0	0.000	0.000	0.000
ENGINEERING	0	0	0	0.002	0.000	0.000
REFUELING						
MAINTENANCE AND CONSTRUCTION	47	0	6	17.788	0.000	1.692
OPERATIONS	26	0	1	6.561	0.000	0.281
HEALTH PHYSICS	3	0	10	1.073	0.000	4.103
SUPERVISORY	3	0	0	0.999	0.076	0.017
ENGINEERING	3	0	2	1.110	0.111	0.352
Totals						
MAINTENANCE AND CONSTRUCTION	189	0	144	54.229	0.007	34.991
OPERATIONS	54	0	2	14.731	0.000	0.995
HEALTH PHYSICS	31	0	41	10.149	0.002	12.240
SUPERVISORY	4	0	2	1.987	0.169	1.038
ENGINEERING	15	0	10	4.772	0.278	2.396
Grand Totals	293	0	199	85.868	0.456	51.660

[1] MANREM VALUES IN THE TABLE ARE MEASURED BY ELECTRONIC DOSIMETERS

TOTAL STATION EXPOSURE (DDE) BY TLD: 127.791

Distribution Sheet

50-250 2/22/00

Priority: Normal

From: Stefanie Fountain

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Item: ADAMS Document
Library: ML_ADAMS^HQNTAD01
ID: 003689189:1

Subject:
Turkey Point Units 3 and 4 Semiannual Fitness for Duty Performance Report.

Body:
ADAMS DISTRIBUTION NOTIFICATION.

Electronic Recipients can RIGHT CLICK and OPEN the first Attachment to View the Document in ADAMS. The Document may also be viewed by searching for Accession Number ML003689189.

A021 - "Semiannual Fitness for Duty Program Performance Rept/Data" 10CFR26.71(d)

MAA

Docket: 05000250
Docket: 05000251

FPL

FEB 2 2 2000

L-2000-42
10 CFR 26.71

U.S Nuclear Regulatory Commission
Attn.: Document Control Desk
Washington, D.C. 20555

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Semiannual Fitness for Duty Performance Report

Attached is the Semiannual Fitness for Duty Performance Report for the period of July 1, 1999, through December 31, 1999, for Turkey Point Units 3 and 4, as required by 10 CFR 26.71 (d).

The Turkey Point Fitness for Duty Program uses a random testing rate of at least 50%.

Attachment A contains the program performance data. Also attached is a list of events reported and a summary of management actions taken.

Should there be any questions or comments regarding this information, please contact us.

Very truly yours,

R. J. Hovey
Vice President
Turkey Point Plant

RJH/DRL

Attachments

cc: Regional Administrator, Region II, USNRC
Sr. Resident Inspector, USNRC, Turkey Point Plant

00036089189

A021

Fitness for Duty Program
Performance Data
Personnel Subject to 10CFR Part 26

Florida Power & Light	31 December 1999
Company	6 Months Ending
Turkey Point Plant	
Location	
James E. Denton	(305) 246-7171
Contact Name	Phone (Include Area Code)

Cutoffs: Screen/Confirmation (ng/ml)

☐ Appendix A to 10 CFR Part 26

Marijuana	50/10	Amphetamines	1000/500	_____	/
Cocaine	300/150	Phencyclidine	25/25	_____	/
Opiates	300/300	Alcohol (%BAC)	.04%	_____	/

TESTING RESULTS		LICENSEE EMPLOYEES		LONG-TERM CONTRACTOR PERSONNEL		SHORT-TERM CONTRACTOR PERSONNEL	
Average Number with Unescorted Access (1272)		903		178		191	
CATEGORIES		# TESTED	# POSITIVE	# TESTED	# POSITIVE	# TESTED	# POSITIVE
Pre-Access (183)		23	0	0	0	160	4
For Cause (0)	Post Accident	0	0	0	0	0	0
	Observed Behavior	0	0	0	0	0	0
Random (327)		233	1	45	0	49	1
Follow-up (22)		22	0	0	0	0	0
Other		0	0	0	0	0	0
TOTAL		278	1	45	0	209	5

Breakdown of Confirmed Positive Tests for Specific Substances

	Marijuana	Cocaine	Opiates	Amphetamines	Phencyclidine	Alcohol	Refusal To Test	
Licensee Employees	1							
Long-Term Contractors								
Short-Term Contractors	2	3						Total
PTN TOTALS	3	3						6

Our percentage of population tested from July 1, 1999 to December 31, 1999 was 25.71%. Our percentage of population tested from January 1, 1999 to December 31,1999 was 51.16%.

Two of the positive Marijuana drug test results were below the DHHS/NRC initial screening level of 100 NG/ML. Our initial screening level for Marijuana is 50 NG/ML.

One twenty-four hour reportable event was reported during this reporting period. On July 22,1999 a false negative result was reported by the DHHS lab on a positive blind specimen. The specimen was spiked with Amphetamine at 1839 NG/ML and Methamphetamine at 1860 NG/ML.

MANAGEMENT ACTIONS: In response to the twenty-four hour reportable event, the lab was audited by our Quality Assurance Group and it was determined that it was due to an administrative error and not an equipment failure. Additionally, Condition Report #99-1096 was generated.