Final Submittal (Blue Paper)

# ST. LUCIE RETAKE EXAM

# 05000335/2004302 & 05000389/2004302

# **DECEMBER 21, 2004**

# **FINAL JPMS & OUTLINE**

ES-201

# Examination Outline Quality Checklist

Form ES-201-2

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Task Description 'erify that the outline(s) fit(s) the appropriate model, in accordance with ES-401.	a	Initia	s
'erify that the outline(s) fit(s) the appropriate model, in accordance with ES-401.	a		T
	1.1.14	<u>b*</u>	#
ssess whether the outline was systematically and randomly prepared in accordance with			<u>  N/A</u>
ection D.1 of ES-401 and whether all K/A categories are appropriately sampled.	$\downarrow \downarrow$	$\square$	$\square$
ssess whether the outline over-emphasizes any systems, evolutions, or generic topics.		$\Box I$	
ssess whether the justifications for deselected or rejected K/A statements are appropriate.			Π
sing Form ES-301-5, verify that the proposed scenario sets cover the required number normal evolutions, instrument and component failures, technical specifications, and major transients.			
ssess whether there are enough scenario sets (and spares) to test the projected number nd mix of applicants in accordance with the expected crew composition and rotation schedule thout compromising exam integrity, and ensure that each applicant can be tested using least one new or significantly modified scenario, that no scenarios are duplicated om the applicants' audit test(s), and that scenarios will not be repeated on subsequent days.			
) the extent possible, assess whether the outline(s) conform(s) with the qualitative id quantitative criteria specified on Form ES-301-4 and described in Appendix D.	I	Ţ	L
<ul> <li>inty that the systems walk-through outline meets the criteria specified on Form ES-301-2:</li> <li>the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form</li> <li>task repetition from the last two NRC examinations is within the limits specified on the form</li> <li>no tasks are duplicated from the applicants' audit test(s)</li> <li>the number of new or modified tasks meets or exceeds the minimums specified on the form</li> <li>the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form.</li> </ul>	N/A	N/F	n/r
rify that the administrative outline meets the criteria specified on Form ES-301-1: the tasks are distributed among the topics as specified on the form. ✓ at least one task is new or significantly modified ✓ no more than one task is repeated from the last two NRC licensing examinations ✓	1	M	•
lermine if there are enough different outlines to test the projected number and mix applicants and ensure that no items are duplicated on subsequent days.	1	ЭW	NA
sess whether plant-specific priorities (including PRA and IPE insights) are covered he appropriate exam sections.	L	30	1
sess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	1	-71	N I
sure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	え	<i>.</i>	\$
eck for duplication and overlap among exam sections.	エ	NA	NA
eck the entire exam for balance of coverage.	7	717	T
ess whether the exam fits the appropriate job level (RO or SRO).	<del>i</del> t	71	j l
	ssess whether the outline over-emphasizes any systems, evolutions, or generic topics. ssess whether the justifications for deselected or rejected K/A statements are appropriate. sing Form ES-301-5, verify that the proposed scenario sets cover the required number normal evolutions, instrument and component failures, technical specifications, d major transients. ssess whether there are enough scenario sets (and spares) to test the projected number id mix of applicants in accordance with the expected crew composition and rotation schedule thout compromising exam integrity, and ensure that each applicant can be tested using least one new or significantly modified scenario, that no scenarios are duplicated im the applicants' audit test(s), and that scenarios will not be repeated on subsequent days. If the extent possible, assess whether the outline(s) conform(s) with the qualitative d quantitative criteria specified on Form ES-301-4 and described in Appendix D. while systems walk-through outline meets the criteria specified on Form ES-301-2: the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form task repetition from the last two NRC examinations is within the limits specified on the form no tasks are duplicated from the applicants' audit test(s) the number of new or modified tasks meets or exceeds the minimums specified on the form the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form. if that the administrative outline meets the criteria specified on Form ES-301-1: the tasks are distributed among the topics as specified on the form. at least one task is new or significantly modified s/ no more than one task is new or significantly modified s/ no more than one task is repeated from the last two NRC licensing examinations s/ sess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate. sure that K/A importance ratings (except for plant-specific priorities	ssess whether the outline over-emphasizes any systems, evolutions, or generic topics. ssess whether the justifications for deselected or rejected K/A statements are appropriate. sing Form ES-301-5, verify that the proposed scenario sets cover the required number normal evolutions, instrument and component failures, technical specifications, id major transients. seess whether there are enough scenario sets (and spares) to test the projected number d mix of applicants in accordance with the expected crew composition and rotation schedule thout compromising exam integrity, and ensure that each applicant can be tested using least one new or significantly modified scenario, that no scenarios are duplicated in the applicants' audit test(s), and that scenarios will not be repeated on subsequent days. the extent possible, assess whether the outline(s) conform(s) with the qualitative d quantitative criteria specified on Form ES-301-4 and described in Appendix D.	ssess whether the outline over-emphasizes any systems, evolutions, or generic topics. ssess whether the justifications for deselected or rejected K/A statements are appropriate. sing Form ES-301-5, verify that the proposed scenario sets cover the required number normal evolutions, instrument and component failures, technical specifications, d major transients. ssess whether there are enough scenario sets (and spares) to test the projected number d mix of applicants in accordance with the expected crew composition and rotation schedule thout compromising exam integrity, and ensure that each applicant can be tested using least one new or significantly modified scenario, that no scenarios are duplicated m the applicants' audit test(s), and that scenarios will not be repeated on subsequent days. the extent possible, assess whether the outline(s) conform(s) with the qualitative d quantitative criteria specified on Form ES-301-4 and described in Appendix D. rify that the systems walk-through outline meets the criteria specified on Form ES-301-2: the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form task repetition from the last two NRC examinations is within the limits specified on the form the number of new or modified tasks meets or exceeds the minimums specified on the form the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form. rify that the administrative outline meets the criteria specified on Form ES-301-1: the tasks are distributed among the topics as specified on the form. at least one task is new or significantly modified $\checkmark$ at least one task is new or significantly modified $\checkmark$ at least one task is new or significantly modified $\checkmark$ at least one task is new are significantly modified as specified number and mix applicants and ensure that no items are duplicated on subsequent days. sess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate. s

ES-201, Page 25 of 27

ES-301	Admin	istrative Topics Outline Form	ES-301
Facility: <u>Saint Lucie</u> Examination Level (circle or	ne): RO(SRC	Date of Examination: <u>12-21-</u> Operating Test Number:	.04
Administrative Topic (see Note)	Type Code*	Describe activity to be performed.	<u></u>
Conduct of Operations 2.1.12	N	FCV-26-2 Fails Open, apply Tech Specs	
Conduct of Operations 2.1.24	N	Use Control Wiring Diagrams	
Equipment Control 2.2.26	N	Refueling Administrative Requirements	
Radiation Control 2.3.6	N	Release 1B Waste Monitor Tank	
Emergency Plan 2.4.32	N	Loss of Control Room Annunicators	
NOTE: All items (5 total) are retaking only the adm	required for SR inistrative topic	ROs. RO applicants require only 4 items unless the sister when 5 are required.	y are
*Type Codes & Criteria:	(C)ontrol ro (D)irect fron (N)ew or (M (P)revious 2 (S)imulator	oom m bank (≤ 3 for ROs; ≤4 for SROs & RO retakes) 4)odified form bank (≥ 1) 2 exams (≤ 1; randomly selected)	

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ES-301	
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# Operating Test Quality Checklist F(N)AL

Form ES-301-3

Eacility:	ST. LUCIE Date of Examination: 12/20-21/0 Geterating	Test N	lumbe	r:
Facility.	1. General Criteria	а	Initial: b*	s
a,	The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	L	18	Ð
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	NA	MA	r\$A
	The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1.a.)	1	M	8
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	N/A	NA	NA
е.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	1	78	Ø
	2. Walk-Through Criteria	-	-	
а.	<ul> <li>Each JPM includes the following, as applicable:</li> <li>initial conditions</li> <li>initiating cues</li> <li>references and tools, including associated procedures</li> <li>reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time-critical by the facility licensee</li> <li>operationally important specific performance criteria that include: <ul> <li>detailed expected actions with exact criteria and nomenclature</li> <li>system response and other examiner cues</li> <li>statements describing important observations to be made by the applicant</li> <li>criteria for successful completion of the task</li> <li>identification of critical steps and their associated performance standards</li> <li>restrictions on the sequence of steps, if applicable</li> </ul> </li> </ul>	L	718	*
b.	Ensure that any changes from the previously approved systems and administrative walk-through outlines (Forms ES-301-1 and 2) have not caused the test to deviate from any of the acceptance criteria (e.g., item distribution, bank use, repetition from the last 2 NRC examinations) specified on those forms and Form ES-201-2.	1	. M	10
	3. Simulator Criteria		-	<u> </u>
The as	sociated simulator operating tests (scenario sets) have been reviewed in accordance with	VIA	N/R	4n <del> </del>
a. A b. F. c. N d. N	Printed Name / Signature uthor Ronald J. Lawer / My Jun acility Reviewer(*) THOMAS H. HUNT / JUNT IRC Chief Examiner (#) Ron Rielly James H. Mcdrman Ty Handlow	Da 1 1 1 1 1	nte <u>2-2</u> 2-2 2-2	1-04 1-04 1-09 2 04
NOTE	<ul> <li>The facility signature is not applicable for NRC-developed tests.</li> <li># Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required</li> </ul>	•		

# REGION II ST. LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

# **APPLY APPLICABLE TECH SPECS - UNIT 1**

EXAMINER

# REGION II ST LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

#### APPLY APPLICABLE TECHNICAL SPECIFICATIONS UNIT 1

**<u>KA Statement:</u>** Ability to apply technical specifications for a system.

**KA #:** 2.1.12 (2.9 / 4.0)

References:OP-1-0010125A, Surveillance Data Sheets<br/>OPS-503, Operations Department Policy, Tech Spec Guidance<br/>ADM-68.01, Containment Leakage Rate Testing Program<br/>U2 FSAR Table 6.3-52 and Design Bases<br/>Unit 1 Technical Specifications

Candidate:	Time Start	
	Name	Time Finish
Performance Rating: Sat	<u> </u>	Unsat
Validation Time15 minute	<u>s</u>	
Examiner:		_ Signature:

<u>Comments</u>

ST. LUCIE TRAINING DEPT. ADMINISTRATIVE JPM PAGE 2

## REGION II ST LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

# **APPLY APPLICABLE TECHNICAL SPECIFICATIONS UNIT 1**

# Directions to the candidate for Administrative JPMS:

I will explain the initial conditions and state the task to be performed. You will be allowed to use any reference normally available in the Control Room to complete the task. Ensure you indicate to me when you finish your assigned task by returning the material needed for the task that I provided to you.

#### **Initial Conditions**

Unit 1 is at approximately 100% power. While stroke testing was being performed it is determined that FCV-26-5, Isolation Valve (Penetration P-25C) for Containment Air Radiation Monitor Common Return, will not close. E/M has determined that the valve will take at least 6 hours to repair.

#### Initiating Cue

You are the Unit Supervisor. You are tasked to determine which Technical Specifications are applicable.

ST. LUCIE TRAINING DEPT. ADMINISTRATIVE JPM PAGE 3

# START TIME: \_\_\_\_\_

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Consult OPS-503, Operations Department Policy, Technical Specification Guidance 3 / 4.6.3 Containment Isolation Valves.	
1. Any valve on a line that penetrates the containment may be a containment isolation valve.	SAT
STEP 1: A. To determine if it is a containment isolation valve reference ADM-68.01, Containment Leakage Rate Testing Program, Unit #1 UFSAR table 6.2-16 and Unit #2 tables 6.2-52 & 53.	UNSAT
STANDARD: <b>DETERMINE</b> FCV-26-5 is listed in Table 1 Unit 1 Containment Isolation Valves.	
COMMENTS: V6565 isolates return flow from the Containment Air Monitoring System back to Containment. (Drawing 8770-G-092)	
STEP 2: If the valve in question is listed in ADM-68.01, then apply Tech Spec 3.6.3.1.	
STANDARD: APPLY Tech Spec 3.6.3.1	SAT
COMMENTS:	UNSAT

APPL	ICABILITY: MODES 1, 2, 3 and 4.	STEP
With	one or more of the isolation valve(s) inoperable, either: a. Restore the inoperable valve(s) to OPERABLE status within 4 hours or	SAT
	<ul> <li>b. Isolate each affected penetration within 4 hours by use of at least one deactivated automatic valve secured in the isolation position, or</li> </ul>	UNSAT
	<ul> <li>c. Isolate each affected penetration within 4 hours by use of at least one closed manual valve or blind flange; or</li> <li>d. Be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.</li> </ul>	
<u>STANDARD:</u>	ACTION b. Isolate each affected penetration within 4 hours by use of at least one deactivated automatic valve secured in the isolation position. (Remove power to FCV-26-6 solenoid, preferred)	
	c. Isolate each affected penetration within 4 hours by use of at least one closed manual valve or blind flange.	
COMMENTS: Consult OPS-4 4.6.3 Contair	503, Operations Department Policy, Technical Specification Guidance 3 /	
1. Any valve isolation v		
	on a line that penetrates the containment may be a containment alve.	0.17
<u>STEP 4:</u> G. F T	on a line that penetrates the containment may be a containment alve. For any inoperable containment isolation valve, consider any system Fech Specs that may apply.	SAT
<u>STEP 4:</u> G. F 1 <u>STANDARD:</u>	on a line that penetrates the containment may be a containment alve. For any inoperable containment isolation valve, consider any system Fech Specs that may apply. DETERMINE atmosphere radioactivity monitor is INOPERABLE Per T.S. 3.4.6.1 The following RCS leakage detection systems will be OPERABLE	SAT

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ST. LUCIE TRAINING DEPT. ADMINISTRATIVE JPM PAGE 5

RCS Leakage Detection T.S. 3.4.6.1.b	CRITICAL
STEP 5:       With the required radioactivity monitor inoperable, analyze grab samples of the containment atmosphere or perform a RCS water inventory balance at least once per 24 hours, and restore the required radioactivity monitor to OPERABLE status within 30 days; otherwise, be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.         STANDARD:       DETERMINE that an RCS inventory balance (DS #1) or grab samples need to be performed every 24 hours and restore the radioactivity monitor within 30 days.         EVALUATOR NOTE:       (Data Sheet #30, Unscheduled Surveillance and Evolutions Tracking would be filled out to track this)         .       COMMENTS:	CRITICAL STEP
STEP (done): Inform Candidate JPM is complete.	
STANDARD:	SAT
EXAMINER'S CUE: THIS JPM IS COMPLETE.	
COMMENTS:	UNSAT
END OF TASK	

STOP TIME: \_\_\_\_\_

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#### CANDIDATE COPY (TO BE RETURNED TO THE EXAMINER UPON COMPLETION OF ANSWER)

# **Initial Conditions**

Unit 1 is at approximately 100% power. While stroke testing was being performed it is determined that FCV-26-5, Isolation Valve (Penetration P-25C) for Containment Air Radiation Monitor Common Return, will not close. E/M has determined that the valve will take at least 6 hours to repair.

## **Initiating Cue**

You are the Unit Supervisor. You are tasked to determine which Technical Specifications are applicable.

NUCLEAR PLA	ST. LUCIE PLANT	OPS-503		
	OPERATIONS DEPARTMENT POLICY	Rev.	10	
LS T		Date	06/30/04	
OPERATIONS DEPARTMENT	TECHNICAL SPECIFICATION GOIDANCE	Page	10 of 19	

#### **Operational Guidance for Section 3 / 4.6**

#### 3 / 4.6.6.1 Shield Building Ventilation System

When complying with action statement for Technical Specification 3.6.6.1c the Spent Fuel Handling Machine is considered to have no load when no load is attached to the grapple. With no load attached to the grapple the Spent Fuel Handling Machine May be operated over the Spent Fuel Pool.

3 / 4.6.3	Containment	Isolation	Valves
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#### <u>NOTE</u>

- The inoperable containment isolation valve may be used to provide containment isolation in order to comply with Tech Spec 3.6.3.1.
- Containment penetration check valves are typically not found in the DBD. Tech Spec 3.6.3.1 applies to all containment isolation check valves.
- 1. Any value on a line that penetrates the containment may be a containment isolation value.
  - A. To determine if it is a containment isolation valve reference ADM-68.01, Containment Leakage Rate Testing Program, Unit #1 UFSAR table 6.2-16 and Unit #2 tables 6.2-52 & 53.
  - B. If the valve in question is listed in ADM-68.01, then apply Tech Spec 3.6.3.1.
  - C. If the valve in question is determined to be a containment isolation valve, but not listed in ADM 68.01, then consult the DBD (Design Basis Documents) to determine its safety related function(s).
  - D. If any one of the DBD safety related functions require the valve to be closed, then apply Tech Spec 3.6.3.1 Containment Isolation Valves.
  - E. If all of the DBD safety related function(s) require the valve to be open, (for example: FCV-07-1A), then Tech Specs 3.6.1.1 and 3.6.3.1 are not applicable.
  - F. If the valve is required to be closed by the DBD and/or Tech Spec 3.6.3.1 and needs to be opened for any reason, then apply Tech Spec 3.6.1.1 Containment Vessel Integrity and refer to ADM-25.04 Technical Specification Bases for required contingency actions.
  - G. For any inoperable containment isolation valve, consider any system specific Tech Specs that may apply.



REVISION NO.:	PROCEDURE	TITLE:	F	PAGE:	
8A	CON	TAINMENT LEAKAGE RATE TESTING		22 -6 25	
PROCEDURE NO.:	1	PROGRAM		22 01 32	-
ADM-68.01		ST. LUCIE PLANT			
	<u>UNIT 1 (</u>	TABLE 1CONTAINMENT ISOLATION VALVE(Page 2 of 2)	<u>:S</u>		
Valve Tag Number	Penetration Number	Function	Testable During Plant Operation	Isolation Time (Sec)	
<ul> <li>B. Manual or Remote Manual</li> </ul>					
1. V18794 V18796	8	Station air supply, Manual	Yes	NA	
2. V-25-11,12	56	Hydrogen purge outside air make-up, Manual (/NC)	Yes	NA	
3. V-25-13,14,15,16	57 & 58	Hydrogen purge exhaust, Manual (NC)	Yes	NA	
4. V3463	41	Safety injection tank test line, Manual (NC)	Yes	NA*	
5. V07009	41	Safety injection tank test line, Manual (NC)	Yes	NA*	
6. V07206, V07189	46	Refueling cavity purification flow inlet, Manual (NC)	Yes	NA	
7. V07170, V07188	47	Refueling cavity purification flow outlet, Manual (NC)	Yes	NA	
8. FSE-27-1,2,3,4,8,11	48a & 48c	Hydrogen sampling line, Remote manual	Yes	NA*	
9. FSE-27-5,6,7,9,10	51a & 51c	Hydrogen sampling line, Remote manual	Yes	NA*	
10. FCV-26-1 & 2	52a	Radiation monitoring	Yes	NA	
11. FCV-26-3 & 4	52b	Radiation monitoring	Yes	NA	
12. FCV-26-5 & 6	52c	Radiation monitoring, return	Yes	NA	
13. V00140 V00143	52d	ILRT test tap	Yes	NA	
14. V00139 V00144	52e	ILRT test tap	Yes	NA	
15. V00101	54	ILRT pressure connection	Yes	NA	
16. FCV-03-1E & 1F	28	SI Tank Sample	Yes	NA**	

NA- Manual Valve-Isolation time not applicable.
 May be opened on an intermittent basis under administrative control.
 Normally closed valves - Isolation time not applicable.

END OF TABLE 1

#### CONTAINMENT SYSTEMS

#### 3/4.6.3 CONTAINMENT ISOLATION VALVES

#### LIMITING CONDITION FOR OPERATION

3.6.3.1 The containment isolation valves shall be OPERABLE:

APPLICABILITY: MODES 1, 2, 3 and 4.

#### ACTION:

With one or more of the isolation valve(s) inoperable, either:

- a. Restore the inoperable valve(s) to OPERABLE status within 4 hours, or
- b. Isolate each affected penetration within 4 hours by use of at least one deactivated automatic valve secured in the isolation position, or
- c. Isolate each affected penetration within 4 hours by use of at least one closed manual valve or blind flange; or
- d. Be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

#### SURVEILLANCE REQUIREMENTS

4.6.3.1.1 The isolation valves shall be demonstrated OPERABLE prior to returning the valve to service after maintenance, repair or replacement work is performed on the valve or its associated actuator, control or power circuit by performance of the cycling test, and verification of isolation time.

### TABLE 3.3-6

# RADIATION MONITORING INSTRUMENTATION

INST	RUMENT	MINIMUM CHANNELS <u>OPERABLE</u>	APPLICABLE MODES	ALARM SETPOINT	MEASUREMENT RANGE	ACTION
1. A	REA MONITORS		<u></u>			
a	. Fuel Storage Pool Area	1	*	<u>≤</u> 15 mR/hr	10 <sup>-1</sup> – 10 <sup>4</sup> mR/hr	13
b	. Containment (CIS)	3	6	<u>≤</u> 90 mR/hr	1 – 10 <sup>5</sup> mR/hr	16
С	. Containment Area – Hi Range	1	1, 2, 3, & 4	<u>≺</u> 10 R/hr	1 – 10 <sup>7</sup> R/hr	15
2. P	ROCESS MONITORS					
а	. Containment					
	i. Gaseous Activity RCS Leakage Detection	1	1, 2, 3 & 4	Not Applicable	10 – 10 <sup>6</sup> cpm	14
	ii. Particulate Activity RCS Leakage Detection	1	1, 2, 3 & 4	Not Applicable	10 – 10 <sup>6</sup> cpm	14
b	. Fuel Storage Pool Area Ventilation System					
	i. Gaseous Activity	1	**	***	10 <sup>-7</sup> – 10 <sup>5</sup> μCi/cc	12
	ii. Particulate Activity	1	**	***	1 – 10 <sup>6</sup> cpm	12

\* With fuel in the storage pool or building.

\*\* With irradiated fuel in the storage pool or whenever there is fuel movement within the pool or crane operation with loads over the storage pool.

\*\*\* The Alarm Setpoints are determined and set in accordance with requirements of the Offsite Dose Calculation Manual.

#### TABLE 3.3-6 (Continued)

#### **TABLE NOTATION**

- ACTION 12 With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, comply with the ACTION requirements of Specification 3.9.12.
- ACTION 13 With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, perform area surveys of the monitored area with portable monitoring instrumentation at least once per 24 hours.
- ACTION 14 With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, comply with the ACTION requirements of Specification 3.4.6.1.
- ACTION 15 With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, either restore the inoperable Channel(s) to OPERABLE status within 72 hours, or:
  - 1) Initiate the preplanned alternate method of monitoring the appropriate parameter(s), and
  - 2) Prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within 14 days following the event outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the system to OPERABLE status.
- ACTION 16 With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirements, comply with the ACTION requirements of Specification 3.9.9.

#### REACTOR COOLANT SYSTEM

#### 3/4.4.6 REACTOR COOLANT SYSTEM LEAKAGE

#### LEAKAGE DETECTION SYSTEMS

#### LIMITING CONDITION FOR OPERATION

3.4.6.1 The following RCS leakage detection systems will be OPERABLE:

- a. The reactor cavity sump inlet flow monitoring system; and
- b. One containment atmosphere radioactivity monitor (gaseous or particulate).

#### APPLICABILITY: MODES 1, 2, 3, and 4.

#### ACTION:

- a. With the required reactor cavity sump inlet flow monitoring system inoperable, perform a RCS water inventory balance at least once per 24 hours and restore the sump inlet flow monitoring system to OPERABLE status within 30 days; otherwise, be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- b. With the required radioactivity monitor inoperable, analyze grab samples of the containment atmosphere or perform a RCS water inventory balance at least once per 24 hours, and restore the required radioactivity monitor to OPERABLE status within 30 days; otherwise, be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- c. With all required monitors inoperable, enter LCO 3.0.3 immediately.
- d. The provisions of Specification 3.0.4 are not applicable if at least one of the required monitors is OPERABLE.

#### SURVEILLANCE REQUIREMENTS

- 4.4.6.1 The RCS leakage detection instruments shall be demonstrated OPERABLE by:
  - a. Performance of the CHANNEL CHECK, CHANNEL FUNCTIONAL TEST, and CHANNEL CALIBRATION of the required containment atmosphere radioactivity monitor at the frequencies specified in Table 4.3-3.
  - b. Performance of the CHANNEL CALIBRATION of the required reactor cavity sump inlet flow monitoring system at least once per 18 months.

# REGION II ST. LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

# **REFUELING ADMINISTRATIVE REQUIREMENTS**

CANDIDATE \_\_\_\_\_

EXAMINER \_\_\_\_\_

# REGION II ST LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

#### **REFUELING ADMINISTRATIVE REQUIREMENTS UNIT 1**

**KA Statement:** Knowledge of refueling administrative requirements.

**KA #:** 2.2.26 (2.5 / 3.7)

**<u>References:</u>** - Plant Physics Curve Figure D.3 - AP 1-0010250, Guidelines for use of the Unit 1 High Density Spent Fuel Racks

Candidate:	Nomo		Time Start
	Name		Time Finish
Performance Rating:	Sat	Unsat	
Validation Time <u>1</u>	<u>5 minutes</u>		
Examiner:		_ Signature:	
0			

<u>Comments</u>

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# REGION II ST LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

## **REFUELING ADMINISTRATIVE REQUIREMENTS UNIT 1**

# Directions to the candidate for Administrative JPMS:

I will explain the initial conditions and state the task to be performed. You will be allowed to use any reference normally available in the Control Room to complete the task. Ensure you indicate to me when you finish your assigned task by returning the material needed for the task that I provided to you.

#### Initial Conditions

Reactor Engineering has provided a Recommended Move List to move 2 fuel assemblies in the Unit 1 Spent Fuel Pool. All equipment to perform fuel movement in the Spent Fuel Pool is operable. All funnels have been verified in the correct positions and Nuclear Fuels has verified fuel burnup history is correct for fuel storage requirements.

#### Initiating Cue

You are the Unit 1 Refueling Supervisor. Given the following Recommended Moves, determine if the moves are allowable.

	From						То						
Step	Assembly	Insert	Orient	Core	Bridge	Trolley	SFP	NFS	Upndr	Core	Bridge	Trolly	SEP
1	U48					<b>Z</b>	L33					nony	R5
2	R53	205					D28						013

#### **RECOMMENDED MOVE LIST**

START TIME: \_\_\_\_\_

<u>STEP 1:</u>	Retrieves a controlled copy of Plant Physics Curve D.3 Spent Fuel Map (Present Configuration) from the Control Room		
STANDARD:	<b>OBTAINS</b> copy of Plant Physics Curve D.3.	SAT	
EXAMINER'S	NOTE: HAND STUDENT Plant Physics Curve D.3 Spent Fuel Map (Present Configuration) Page 1 of 2	UNSAT	
COMMENTS:			
<u>STEP 2:</u>	Obtains current revision of AP 1-0010250, Guidelines for use of the Unit 1 High Density Spent Fuel Racks		
<u>STANDARD:</u>	<b>OBTAINS</b> and <b>VERIFIES</b> current copy of procedure.	SAT	
EXAMINER'S	NOTE: <b>HAND STUDENT AP 1-0010250, Guidelines for use of the Unit 1</b> High Density Spent Fuel Racks	UNSAT	
COMMENTS:			
STEP 3:	Reviews Step 8.2 Rack Loading Restrictions	CRITICAL STEP	
STANDARD:	DETERMINES for move to R5, does meet >75% load restrictions and MOVE IS ALLOWABLE.	SAT	
	(60 non-restricted / 79 total assemblies = 75.9%)	LINGAT	
COMMENTS:		UNSAT	

STEP 4:	Reviews Step 8.2 Rack Loading Restrictions	CRITICAL STEP
STANDARD:	DETERMINES for move to Q13, does NOT meet >75% load restrictions and MOVE IS NOT ALLOWABLE.	SAT
COMMENTS:		UNSAT
STEP (done):	Inform Candidate JPM is complete.	
EXAN COMMENTS:	MINER'S CUE: THIS JPM IS COMPLETE.	SAT
	END OF TASK	

STOP TIME: \_\_\_\_\_

\_\_\_\_\_

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#### CANDIDATE COPY (TO BE RETURNED TO THE EXAMINER UPON COMPLETION OF ANSWER)

# **Initial Conditions**

Reactor Engineering has provided a Recommended Move List to move 2 fuel assemblies in the Unit 1 Spent Fuel Pool. All equipment to perform fuel movement in the Spent Fuel Pool is operable. All funnels have been verified in the correct positions and Nuclear Fuels has verified fuel burnup history is correct for fuel storage requirements.

#### Initiating Cue

You are the Unit 1 Refueling Supervisor. Given the following Recommended Moves, determine if the moves are allowable.

	From						То						
Step	Assembly	Insert	Orient	Core	Bridge	Trolley	SFP	NFS	Upndr	Core	Bridge	Trolly	SFP
1	U48						L33						R5
2	R53	205					D28				i		Q13

#### **RECOMMENDED MOVE LIST**



# **ST. LUCIE UNIT 1**

Procedure No.

1-0010250

ADMINISTRATIVE PROCEDURE

Current Revision No. 5C

Effective Date 10/26/04

Title:

# GUIDELINES FOR USE OF THE UNIT 1 HIGH DENSITY SPENT FUEL RACKS

SAFETY RELATED

Responsible Department: REACTOR ENGINEERING

# **REVISION SUMMARY:**

**Revision 5C** - Incorporated PCR 04-2964 to convert document from Word Perfect DOS 5.1 to Microsoft Word. (Helga Baranowsky, 10/18/04)

Revision 5B - Incorporated PCR 03-1056 to change AF17 to AG17. (W. Mead, 04/16/03)

Revision 5A - Changed Fuel Resources to Nuclear Fuels in Step 5.3. (Ray Klein, 05/07/99)

Revision 0	FRG Review Date 11/29/88	Approved By G. J. Boissy	Approval Date 01/30/89	DATE	1_OPS
		Plant General Manager		DOCT	PROCEDURE
Revision	FRG Review Date	Approved By	Approval Date	DOCN	1-0010250
5C	02/24, 03/26/97	J. Scarola	03/26/97	SYS	
	······································	Plant General Manager		СОМ	COMPLETED
		N/A		ITM	5C
		Designated Approver T. L. Patterson	10/18/04		
		Designated Approver (Minor Correction)			

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1.0	TITL			
	GUI	DELINES	FOR USE OF THE UNIT THIGH DENSITY SPENT F	UEL RACKS
2.0	REV	IEW AND	D APPROVAL	
	See	cover pa	ge.	
3.0	SCC	PE		
3.1	Purp	ose		
	1.	This pr fuel rac	rocedure provides guidelines for use of the Unit 1 high on the components and tools.	lensity spent
3.2	Disc	ussion		
	1.	To ens Unit 1, new sp section Advand Unit 1 d module	sure that sufficient spent fuel storage continues to exist new high density storage racks have been installed. E bent fuel storage racks has an 8.65 inch (nominal) squa n, which will accommodate a single Combustion Engine ced Nuclear Fuels or equivalent fuel assembly, from eit or Unit 2. A total of 1706 cells are arranged in seventee es of various sizes and divided into two regions.	at St. Lucie ach cell of the re cross- ering, her St. Lucie en distinct
	2.	The ne fuel.	w position rack design allows for increased storage der	nsity of spent
	3.	This proceeding	ocedure will provide guidelines for use of the racks and nents.	its associated
3.3	Auth	ority		
	1.	This pro the use Operati	ocedure implements plant guidelines intended to aid Op of the high density spent fuel racks and related compo ions will utilize this procedure with Reactor Engineering	perations in ments. guidance.

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3.4	Defin	itions		
	1.	REGIC 4.5 wt. racks / to cent	<u>ON 1</u> - Designed to store fuel assemblies with enrichment % U235 with no minimum burnup restrictions. Region A1, A2, B1 and B2. Region 1 contains 342 cells with a fer pitch of 10.12 inches. Figure 1 shows a plan view of	nts up to 1 consists of nominal center f Region 1.
	2.	REGIC enrichr require consist as sho center	<u>2N 2</u> - Designed to store spent fuel assemblies with vari ments which have accumulated the minimum acceptabl ed by Tech. Spec. Figure 5.6-1 (Figure 2 of this OP). Re ts of racks C1, C2, C3, C4, D1, D2, D3, E1, E2, F1, G1, wn in Figure 1. Region 2 contains 1364 cells with a noi spacing of 8.86 inches.	ious initial e burnups as egion 2 , G2 and H1 minal center to
		Region	<u>NOTE</u> 1 funnels are not interchangeable with Region 2 funnel	s
	3.	REGIC assem Figure first rer Funnel Funnel square	2N 1 FUNNEL - Provides lead-in guidance during insert bly into a storage cell. The funnels are a duplex design 3. Assemblies may be withdrawn through the duplex funoving the funnel. There are two variants of the Region s for cells on the interior of a rack are identified by a so s for cells on the periphery of a rack have a hole drilled tab.	ion of a fuel as shown in unnels without n 1 funnel. lid square tab. through the
	4.	<u>REGIO</u> asseml Figure first rer	N 2 FUNNEL - Provides lead-in guidance during insertion by into a storage cell. The funnels are a duplex design 4. Assemblies may be withdrawn through the duplex function noving the funnel.	ion of a fuel as shown in innels without
	5.	FUNNE and rer funnel I betwee tools ar designe Figure	EL HANDLING TOOLS - The funnel handling tool is use nove individual funnels. Region 1 and Region 2 have th handling tools differing only in dimension (due to cell pit n Region 1 and Region 2). The otherwise identical fun- re mechanically actuated, lightweight aluminum hand he ed for use by one individual from the spent fuel machine 5).	ed to install ne specific ch difference nel handling eld tools e bridge (see
	6.	<u>BORAF</u> fine par integral	<u>ELEX</u> - Boraflex is a brand name silicone based polyme ticles of boron carbide in homogeneous, stable matrix a part of every cell wall.	r containing and is an
	7.	POISO walls be 0.95 in occurs.	N RACK DESIGN - Boraflex strips are sandwiched into etween the stainless steel plates to ensure K-effective r case flooding of the Spent Fuel Pool with pure unborate	the rack emains below ed water

•••••

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3.4	Definitions (c	ontinued)				
	8. <u>SURV</u> suppo design	EILLANCE COUPON - 5 x 15 inch boraflex coupons att rt assemblies (see Figure 6) and placed in rack cell loca ated by separate procedure to track possible boraflex d	tached to ations as legradation.			
	9. <u>UNDE</u> corres Figure	<u>RWATER LIGHTS</u> - Moveable lights with handles which ponding hangers on the side of the spent fuel pool walls 7).	h fit into s (see			
4.0	PRECAUTIO	NS				
	GENERAL					
	Rack location used to store accept Unit 2 marked with a	<u>NOTE</u> ns marked with an X on Figure 1 of this procedure shall Unit 1 fuel only until dispositioned by FPL Engineering fuel or consolidation canisters. Rack locations AG17, / an * (asterisk) shall receive no fuel.	be to AH17			
4.1	Prior to inserting a fuel assembly into a rack location, verification of the correct rac location via the rack indexing system, as well as the presence of a funnel (requirec on Region 2), shall be obtained by the spent fuel machine operator.					
	on Region 2),	shall be obtained by the spent fuel machine operator.	innel (required			
4.2	Fuel assembl funnels in plac the Region 1	shall be obtained by the spent fuel machine operator. ies shall be inserted into Region 2 only into rack locatio ce. Fuel assemblies may be placed into Region 1 witho funnels or tool is inoperable.	nnel (required ns that have out funnels if			
4.2	on Region 2), Fuel assembl funnels in plac the Region 1	shall be obtained by the spent fuel machine operator. ies shall be inserted into Region 2 only into rack locatio ce. Fuel assemblies may be placed into Region 1 witho funnels or tool is inoperable. EQUIREMENTS	nnel (required ns that have out funnels if			
4.2 4.3	on Region 2), Fuel assembl funnels in plac the Region 1 STORAGE RI Region 1 of th U-235 enrichr to store fuel w not required. the Tech. Spe to storage of f	shall be obtained by the spent fuel machine operator. ies shall be inserted into Region 2 only into rack locatio ce. Fuel assemblies may be placed into Region 1 without funnels or tool is inoperable. EQUIREMENTS the spent fuel storage racks can be used to store fuel wh ment less than or equal to 4.5 weight percent. Region 2 which has achieved sufficient burnup such that storage in The initial enrichment versus burnup requirements of F ecs. and Figure 2 of this Administrative Procedure shall fuel assemblies in Region 2.	nnel (required ns that have but funnels if can be used n Region 1 is igure 5.6-1 of be met prior			
4.2 1.3	on Region 2), Fuel assembl funnels in plac the Region 1 STORAGE RI Region 1 of th U-235 enrichr to store fuel w not required. the Tech. Spe to storage of f	shall be obtained by the spent fuel machine operator. ies shall be inserted into Region 2 only into rack locatio ce. Fuel assemblies may be placed into Region 1 witho funnels or tool is inoperable. <u>EQUIREMENTS</u> the spent fuel storage racks can be used to store fuel wh ment less than or equal to 4.5 weight percent. Region 2 which has achieved sufficient burnup such that storage in The initial enrichment versus burnup requirements of F ecs. and Figure 2 of this Administrative Procedure shall fuel assemblies in Region 2. <u>ELS</u>	nnel (required ns that have but funnels if can be used n Region 1 is igure 5.6-1 of be met prior			
4.2 1.3	on Region 2), Fuel assembl funnels in plac the Region 1 STORAGE RI Region 1 of th U-235 enrichr to store fuel w not required. the Tech. Spe to storage of f <u>FUEL FUNNE</u> Prior to fuel m determined ar	shall be obtained by the spent fuel machine operator. ies shall be inserted into Region 2 only into rack locatio ce. Fuel assemblies may be placed into Region 1 without funnels or tool is inoperable. <u>EQUIREMENTS</u> the spent fuel storage racks can be used to store fuel who ment less than or equal to 4.5 weight percent. Region 2 which has achieved sufficient burnup such that storage in The initial enrichment versus burnup requirements of F tess. and Figure 2 of this Administrative Procedure shall fuel assemblies in Region 2. <u>ELS</u> novement within the spent fuel pool, funnel placement new astisfied.	nnel (required ns that have but funnels if can be used n Region 1 is igure 5.6-1 of be met prior			

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4.6	Fu lea mi	innels effec ad-in surfac nimum clea	ctively block all cells adjacent to the locations for which ces (see Figure 8). Fuel funnels cannot be placed side arance of one rack cell location is required between lea	they provide by side. A d-in funnels.
5.0	RE	ESPONSIB	ILITIES	
5.1	Th thi	e Operatio s procedure	ns Department is responsible for the administration and e.	d execution of
5.2	Re loc	eactor Engil cations prio	neering is responsible for the determination of individua r to fuel movement in the spent fuel pool.	l funnel
5.3	Nu fue	iclear Fuels el storage re	s will provide the burnup histories of spent fuel to deterr equirements.	nine the spen
6.0	RE	FERENCE	S	
		·	NOTE	
	Or	ne or more	of the following symbols may be used in this procedure	:
	§	Indicates a Condition Renewal, o review and	a Regulatory commitment made by Technical Specifica of License, Audit, LER, Bulletin, Operating Experience, etc. and shall NOT be revised without Facility Review G I Plant General Manager approval.	tions, License Group
	ſ	Indicates a or other no consultatio	a management directive, vendor recommendation, plan on-regulatory commitment that should NOT be revised v on with the plant staff.	t practice without
	Ψ	Indicates a	step that requires a sign off on an attachment.	
6.1	Te	chnical Spe	ecifications	
	•	Section	5.6 - Fuel Storage	
6.2	Up	dated Final	Safety Analysis Report (UFSAR)	
	٠	Section	9.1.2.2.3	
5.3	Pro	cedures		
	•	POP 32	200090, Unit 1 Refueling Operation	
	•	QI-5-PS	SL-1, Preparation, Revision, Review / Approval of Proce	edures
.4	PC	M-18-186, 3	Spent Fuel Rerack	

/R5A

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6.5 PCM-14	-186, Modifications to Support Rerack	· · · · · · · · · · · · · · · · · · ·
6.6 1-LOI-R	-09. Unit 1 Boraflex Blackness Testing	

- 6.7 Technical Manual, HPS-1000/Q Lighting System Remote Ocean Systems, Inc
- **6.8** JPN-PSL-SEFT-93-014, St. Lucie Unit 1 Safety Evaluation of Spent Fuel Pool (SFP) Coupon Surveillance Program
- 7.0 RECORDS AND NOTIFICATIONS
- 7.1 None

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# 8.0 INSTRUCTIONS

## CAUTION

Prior to fuel movement, obtain the following information from Reactor Engineering:

A) Procedure Data Sheet(s) outlining desired fuel movement

B) Region burnup requirements

C) Individual funnel placements needed

## 8.1 Fuel Funnels

1. Prior to inserting a fuel assembly into a rack cell location, visually verify that a lead-in funnel is in proper position over that location.

NOTE Fuel may be inserted into Region 1 rack cell locations without funnels since slight lead-in surfaces are built into the racks.

2. Movement of individual funnels should be accomplished using the hand held tools described in Section 8.5.

#### NOTE

For Region 1 there are two types of lead-in funnels. One type for interior cells of individual racks, the other for peripheral cells of individual racks. Peripheral cell funnels have a hole drilled through the square identification tab.

**3.** Fuel may be withdrawn through lead-in funnels, therefore funnels can be used as inspection funnels.

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8.2 Rack Loading Restrictions					
	<b>1.</b> Loading racks E1, E2 and G1 shall be accomplished as outlined below:				
		Α.	Rack locations 17A through 17M, 18A through 18M of	rack G1 and	

- A. Rack locations 17A through 17M, 18A through 18M of rack G1 and locations Q1 through Q16, R1 through R16, S1 through S16 of racks E1 and E2 are subject to the loading restrictions given below.
  - 1. Restricted locations of racks E1, E2 and G1 shall not be filled unless 75% of the total fuel assemblies loaded into each individual rack are placed into the non-restricted locations first.

In support of this, loading rack G1 west to east and racks E1 and E2 south to north is recommended.

2. No fuel shall be placed in locations AG17, AH17. \*

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# 8.3 Rack Indexing System

<u>NOTE</u> The indexing system in a approximate indication of rack storage cell location. Final adjustments in fuel assembly position should be made by the SFM operator, if required, to ensure smooth fuel assembly insertion into the rack.

1. Region 1 and Region 2 have separate indexing systems (see Figure 9). Region 1 index numbers and letters are red on white and are pre-fixed by an X. Region 2 index numbers and letters are black on white.

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- 1. The underwater lighting for the Unit 1 high density racks consists of hangers mounted to the spent fuel pool walls from which moveable underwater lights are hung. See Figure 7 for details on the hangers and underwater lights.
- 2. Each light assembly consists of a single positionable reflector light and weighs approximately 70 lbs.
- 3. Moving the underwater lights will be accomplished in the following manner:
  - A. Notify Health Physics for support if pulling lights out of pool.
  - B. Disconnect electrical cord from outlet.
  - **C.** Lift the light up and out from hanger and move light to desired hanger.
  - D. Re-connect electrical cord to closest outlet.

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## 8.5 Spent Fuel Funnel Handling Tool

- 1. The funnel handling tools are designed for one man operation and is mechanically actuated. (See Figure 5, showing funnel handling tool design). Tool weighs about 45 lbs. Funnels weigh about 20 lbs. (Weights given are dry weights.)
- 2. Funnels are moved in the following manner:
  - **A.** Insert funnel tool into center plug on the duplex funnel. Ensure the tool alignment plate is positioned as shown in Figure 10.
  - **B.** When the tool latches, a positive click will be felt as the tool seats.
  - C. Pull up on the tool, observing the funnel to determine if the funnel is moving squarely out of its rack cell location. If not properly latched the funnel will tilt over to one side. To recover push down on the tool to latch both sides. Attempt to move the funnel again.
  - **D.** Move funnel to its new location.
  - E. Insert center plug into rack cell. Some side to side movement of the funnel may be necessary to get the chamfered plug to start into a cell. Insert funnel until fully seated as shown in side view, Figure 11.
  - **F.** Pull up on the release bar and remove tool. Repeat Steps A to F for each desired funnel move.
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- 8.6 Boraflex Coupon Surveillance Program
  - 1. The inservice Boraflex Surveillance Program is part of FPL's commitment to the NRC to allow the reracking of the Unit 1 spent fuel pool. The Surveillance Program is intended to track and verify the integrity of the boraflex neutron absorber contained in the Region 1 and Region 2 high density racks. The Boraflex Surveillance Program consists of gamma dose determination to the boraflex and periodic blackness testing which replaced the Inservice Accelerated and Longterm Coupon Testing Program. Refer to reference 6.8.

## END OF SECTION 8.6





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Bridge







# REGION II ST. LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

# **USE CONTROL WIRING DIAGRAMS - UNIT 1**

CANDIDATE \_\_\_\_\_

## REGION II ST LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

#### USE CONTROL WIRING DIAGRAMS UNIT 1

**<u>KA Statement:</u>** Ability to obtain and interpret station electrical and mechanical drawings.

**KA #:** 2.1.24 (2.8 / 3.1)

#### **References:**

Control Wiring Diagram 8770-B-327 Sheet 564 Control Wiring Diagram 8770-B-327 Sheet 501 Control Wiring Diagram 8770-B-327 Sheet 502 Control Wiring Diagram 8770-B-327 Sheet 645

Time Start
Time Finish
Unsat
_ Signature:

**Comments** 

# REGION II ST LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

# **USE CONTROL WIRING DIAGRAMS UNIT 1**

# **Directions to the candidate for Administrative JPMS:**

I will explain the initial conditions and state the task to be performed. You will be allowed to use any reference normally available in the Control Room to complete the task. Ensure you indicate to me when you finish your assigned task by returning the material needed for the task that I provided to you.

#### **Initial Conditions**

I&C would like to inspect the solenoid for Waste Gas Stop Valve V6565 on Unit 1. This will require the solenoid to be de-energized.

#### Initiating Cue

You are the Unit 1 Unit Supervisor. Independently verify the components that need to be operated to de-energize the solenoid for Waste Gas Stop Valve V6565.

START TIME: \_\_\_\_\_

<u>STEP 1:</u>	Determines from one of the following which CWD shows the solenoid of V6565: Control Wiring Diagram (CWD) Index 8770-B-327 Sheet 1 Lotus Notes on a PC FPL Mainframe on a PC	CRITICAL STEP
STANDARD:	DETERMINES solenoid of V6565 is on 8770-B-327 Sheet 564.	UNSAT
COMMENTS:	Answer Key Attachment 1	
	8770-B-327 Sheet 564	
<u>STEP 2:</u>	Identifies the other CWD that are connected to the solenoid of V6565 is powered from.	CRITICAL STEP
STANDARD:	DETERMINES solenoid of V6565 is on 8770-B-327 Sheet 564 is connected to the following CWDs:	SAT
	<ul> <li>SH 645: P15B and N15B, 125 VDC</li> <li>SH 501: DDD 87 &amp; 88</li> <li>SH 502: CC 38 &amp; 39</li> </ul>	UNSAT
COMMENTS:	Answer Key Attachment 1	
	8770-B-327 Sheet 501	
STEP 3:	Determines from where the solenoid of V6565 is powered from:	
STANDARD:	DETERMINES Sheet 501 does not provide power to V6565.	SAT
<u>COMMENTS:</u>	Answer Key Attachment 2	UNSAT

\_\_\_\_

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	8770-B-327 Sheet 502	
STEP 4:	Determines from where the solenoid of V6565 is powered from:	
STANDARD:	DETERMINES Sheet 502 does not provide power to V6565.	SAT
<u>COMMENTS:</u>	Answer Key Attachment 3	UNSAT
	8770-B-327 Sheet 645	
<u>STEP 5:</u>	Determines from CWD where on RTGB the solenoid of V6565 is powered from.	STEP
STANDARD:	DETERMINES from Sheet 645 to remove fuses in RTGB-105, EE F47 & F48 125VDC.	SAT
COMMENTS:	Answer Key Attachment 4	UNSAT
STEP (done):	Inform Candidate JPM is complete.	
STANDARD:		
EXAN	INER'S CUE: THIS JPM IS COMPLETE.	SAT
COMMENTS:		UNSAT
	END OF TASK	

STOP TIME:

-

#### CANDIDATE COPY (TO BE RETURNED TO THE EXAMINER UPON COMPLETION OF ANSWER)

# **Initial Conditions**

I&C would like to inspect the solenoid for Waste Gas Stop Valve V6565 on Unit 1. This will require the solenoid to be de-energized.

# **Initiating Cue**

You are the Unit 1 Unit Supervisor. Independently verify the components that need to be operated to de-energize the solenoid for Waste Gas Stop Valve V6565.

REGION II ST. LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

# LIQUID RELEASE REQUIREMENTS

CANDIDATE \_\_\_\_\_

EXAMINER \_\_\_\_\_

# **REGION II** ST LUCIE NUCLEAR PLANT **INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM**

#### LIQUID RELEASE REQUIREMENTS UNIT 1

KA Statement: Knowledge of the requirements for reviewing and approving release permits.

KA #: 2.3.6 (2.1 / 3.1)

**References:** - 1-NOP-06.01, Controlled Liquid Release to Circulating Water Discharge

Chemistry Pre-Release Calculations
C-200, Offsite Dose Calculation Manual

Candidate:		Time Start
	Name	
		Time Finish
Performance Rating:	Sat	Unsat
Validation Time10	minutes	
Examiner:		_ Signature:

Comments

## REGION II ST LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

## LIQUID RELEASE REQUIREMENTS UNIT 1

#### **Directions to the candidate for Administrative JPMS:**

I will explain the initial conditions and state the task to be performed. You will be allowed to use any reference normally available in the Control Room to complete the task. Ensure you indicate to me when you finish your assigned task by returning the material needed for the task that I provided to you.

#### **Initial Conditions**

Unit 1 is at 100% power. Chemistry has requested a release of the 1B WMT per LRP Permit # 1-04-55. All equipment is operable with the exception of Liquid Waste Monitor R-6627 which is out of service.

#### **Initiating Cue**

You are the Unit 1 Unit Supervisor. Process the Liquid Release Permit # 1-04-55 for this release.

# START TIME: \_\_\_\_\_

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1-NOP-06.01,	Controlled Liquid Release to Circulating Water Discharge	
STEP 1:	ENSURE Section 3.0, Prerequisites, completed.	
		SAT
STANDARD:	<b>INITIAL</b> Electrical power available and step after reviewing Section 3.0	
EVALUATOR I	NOTE: All equipment is operable per initial conditions	UNSAT
COMMENTS:		
STEP 2:	ENSURE Section 4.0, Prerequisites, completed.	
<u>STANDARD:</u>	INITIAL after reviewing Section 4.0	SAT
COMMENTS:		UNSAT
<u>STEP 3:</u> 	AUTHORIZATION.	
		SAT
STANDARD:	VERIFIES signatures and	
	ENTERs 1-04-55 for Permit Number and	UNSAT
	ENTERS 1B WMT for Tank releasing	
COMMENTS:		

STEP 4:	REVIEW the Equipment Out of Service Log and determine if Channel R- 6627, Liquid Waste Monitor has been declared Out of Service.	
STANDARD:	DETERMINES R-6627 is Out of Service	SAT
EVALUATOR	NOTE: R-6627 is not operable per initial conditions	UNSAT
COMMENTS:		
If Channel R-6	627 is Out of Service, Then PERFORM the following:	
<u>STEP 5:</u>	Has Chemistry attached two independent Radioactivity analysis of the tank to the Release Permit?	
		SAT
STANDARD:	CHECK No	
		UNSAT
COMMENTS:		
If Channel R-6	627 is Out of Service. Then PEREORM the following:	
	ozy is out of octvice, ther the ortificitie following.	
<u>STEP 6:</u>	Has Chemistry attached two independent Release Rate Calculations for the tank on the Release Permit?	
		SAT
STANDARD:	CHECK No	
		UNSAT
COMMENTS:		

If Channel R-6	627 is Out of Service, Then PERFORM the following:	
<u>STEP 7:</u>	Have you arranged for independent verification of the discharge valve alignment?	SAT
STANDARD:	CHECK No	UNSAT
COMMENTS:	Unit Supervisor is the person who would arrange to this step done	
STEP 8:	If the answer to any of the above questions is "No", Then STOP, do not approve the Liquid Release Permit.	CRITCAL STEP
STANDARD:	<b>STOPS</b> , does not approve the Liquid Release Permit.	SAT
COMMENTS:		IDICAT
		UNSAT
STEP (done):	Inform Candidate JPM is complete.	
STANDARD:		
EXAM	IINER'S CUE: THIS JPM IS COMPLETE.	SAT
COMMENTS:		UNSAT
	END OF TASK	

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# UNIT 1 LIQUID RELEASE PERMIT

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Ī	TANK DATA				
	A. LRP Permit #	B. Date and Time	C. Tank Name	D. Discharge Volume	(Gallons)
	1-04-55	21-DEC-2004 03:45	1B WMT	4.0000E+04	
II	PRERELEASE	$\mathbf{D} \mathbf{A} \mathbf{T} \mathbf{A} \qquad (\mu \mathrm{Ci}/\mathrm{t}$	nl = micro curies per r	milliliter)	
	<ul> <li>A. Total Concentration</li> <li>B. Total Activity Of S</li> <li>C. Tank Recirced As</li> <li>D. Minimum Pumps I</li> <li>E. Maximum Release</li> <li>F. Fraction Of 10 CF Canal (Solids) (Action of the second of the sec</li></ul>	on Of Solids Solids Per COP-01.05 During Release <u>3</u> Rate During Release R 20 Limits At ( dmin Limit <0.8) .ctivity After Dilu imit < 1.60E-04) Monitor Settings	_CWP'o on. This is and This is and handlost to st	$3.574E+06$ $5.411E+02$ $T$ $DE+02$ $3-02$ $F(1)^{2} +00$ $F(1)^{2} +00$	μCi/ml μCi Initials GPM Fl Fg
 	Alert Setting <u>4.</u> I Have Verified Th Monitors Control M I. Liquid Rad Waste J. LRP LIMS Numbe	$\frac{500E-03}{100} \mu Ci/ml$ These Settings Are En Module In The Contr Monitor Source Chec $\frac{234878}{100} Monitor$	that veer i ca greer i us to.	۴۹ <sup>°</sup> _	Initials Initials
	<ul> <li>A. Permit Preparer V</li> <li>B. Release Approve</li> <li>C. Release Approve</li> <li>D. Peleose Condition</li> </ul>	Verifies Release Will . d By Permit Preparer 1 d By Chemistry Supr. 1	µ 25000 ⇒ در _	<u>Ron Lauver</u> Ci <u>N/A</u>	Signature Signature Signature
IV.	ACTUAL REI	LEASE DATA			Signature
	<ul> <li>A. Number Of Pumps</li> <li>B. Tank Level At State</li> <li>C. Date and Time At D. Date and Time At E. Tank Level At En</li> </ul>	Running art Of Release t Start Of Release t End Of Release ad Of Release	CWP'sICW	'P's	
	F. Reviewed By AN	PS			Signature
V.	POST RELEA	SE DATA			
	A. Total Volume The B. Total Activity Of	is Release Solids Released			_Gallons _μCi
	C. Release Condition	ns Approved By ANPS			Signature

FLORIDA POWER & LIGHT CO. ST. LUCIE PLANT CHEMISTRY DEPARTMENT LIQUID RELEASE PERMIT 1-04- 55 FINAL ACTIVITY REPORT FOR PRE-RELEASE CALCULATIONS

SAMPLE I.D	. : 18 WM	Т	FILE:	LRP.DAT	SAM	PLE # 36
SAMOPLE TI	ME : 12-21	-2004 @ 8:1	0 RELEA	SE VOLUME:	4.0000E+0	4 gal.
GEOMETRY F	ILE: 3GT67	.CLB	RELEA	SE RATE :	1.7000E+0	2 GPM
COUNT TIME	: 1.00	00E+03 SEC	DILUT	ION PUMPS:	1 ICWP	3 CWP
SAMPLE VOL	UME: 1.00	00E+03 mls.	DILUT	ION RATE :	3.7750E+0	5 GPM
		** LRP PRO	GRAM Q.C	. O.K. **		
NUCLIDE	SAMPLE	E.C.L.	E.C.L.	TANK UCI	TANK UCI	NUCLIDE
SYMBOL	UCI/ML	UCI/ML F	RACTION	PRERELEAS	POSTRELEA	SYMBOL
SB-125	5.583E-07	3.E-05 8	381E-06	8.453E+01		SB-125
C0~60	1.783E-06	3.E-06 2	677E-04	2.700E+02		-60
H-3 C	5.520E-02	1.E-03 2	486E-02			
FE-55 C	9.880E-06	1.E-04 4.	449E-05			
SR-89 C	2.400E-08	8.E-06 1.	351E-06			
Y-90 C	5.000E-09	5.E-07 4	503E-06			
Y-90 C	5.000E-09	7.E-06 3.	217E-07			
TOTALS	2.342E-06	2.	519E-02	3.545E+02		
	LRP II.A.	I	SUB L	LRP II.B.		
C –	denotes co	omposite -	only used	d for F SUB	L	
		-	4			
NUCLIDE	SAMPLE	D	IL. CONC	TANK UCI	TANK UCI	NUCLIDE
SYMBOL	UCI/ML	(d)	CANAL	PRERELEAS	POSTRELEA	SYMBOL
TOTALS	0.000E+00	0.	000E+00	0.000E+00		

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0.000E+00 0.000E+00 F SUB G

#### CANDIDATE COPY (TO BE RETURNED TO THE EXAMINER UPON COMPLETION OF ANSWER)

# **Initial Conditions**

Unit 1 is at 100% power. Chemistry has requested a release of the 1B WMT per LRP Permit # 1-04-55. All equipment is operable with the exception of Liquid Waste Monitor R-6627 which is out of service.

# Initiating Cue

You are the Unit 1 Unit Supervisor. Process the Liquid Release Permit # 1-04-55 for this release.



# **ST. LUCIE UNIT 1**

NORMAL OPERATING PROCEDURE

SAFETY RELATED

Procedure No.

1-NOP-06.01

Current Revision No.

7A

Effective Date 10/11/04

Title:

# CONTROLLED LIQUID RELEASE TO THE CIRCULATING WATER DISCHARGE

Responsible Department: **OPERATIONS** 

# **REVISION SUMMARY:**

**Revision 7A** - Incorporated PCR 04-2909 to delete step F. of Page 13 of 15 as it is redundant to Step G. (Clyde Price, 10/06/04)

**Revision 7** - Incorporated PCR 04-0105 for CR 03-4573, PM03-12-154 to correct switch positions and modify steps 6.3.11 and 6.3.13. (David Albritton, 01/21/04)

AND

Incorporated PCR 04-0079 to renumber steps, reword steps, add steps and renumber accordingly. (Winston Ryley, 01/14/04)

**Revision 6** - Incorporated TC 03-083 to adjust FIC-6627 to minimum setting and adjust flow. (Bill Green, 10/30/03)

**Revision 5A** – Incorporated PCR #03-0353 to add appropriate missing lines. (Clyde Price, 02/14/03)

**REVISION 5** – Added note regarding low WMT level and guidance to adjust recirc to maintain flow. (William Green, 08/13/02)

**REVISION 4** – Removed 14-day requirement for restoration of rad monitor per change in ODCM (C-200). (Kelly Korth, 05/14/02)

Revision	FRG Review Date	Approved By	Approval Date	S	1_OPS
0	09/21/99	R. G. West	09/21/99	DATE	
		Plant General Manager		DOCT	PROCEDURE
Revision	FRG Review Date	Approved By	Approval Date		1-NOP-06.01
7A		N/A		SYS	
		Plant General Manager		СОМ	COMPLETED
		J. R. Martin	01/21/04	ITM	7A
		Designated Approver			
		J. R. Martin	10/06/04		
		Designated Approver (Minor Correction)			

TA       CONTROLLED LIQUID RELEASE TO THE CIRCULATING WATER DISCHARGE ST. LUCIE UNIT 1       2 of 15         TABLE OF CONTENTS         SECTION       PAGE         1.0       PURPOSE       3         2.0       REFERENCES       3         3.0       PREREQUISITES       4         4.0       PRECAUTIONS / LIMITATIONS       4         5.0       RECORDS REQUIRED       5         6.0       INSTRUCTIONS       6         6.1       Initial Conditions       6         6.2       Valve Alignment       7         6.3       Starting the Liquid Release       10         6.4       Completing the Liquid Release       14         FIGURE 1       LIQUID RELEASE PERMIT - UNIT 1       15	REVISION NO .:	PROCEDURE TITLE:	PAGE:
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3.0       PREREQUISITES       4         4.0       PRECAUTIONS / LIMITATIONS       4         5.0       RECORDS REQUIRED       5         6.0       INSTRUCTIONS       6         6.1       Initial Conditions       6         6.2       Valve Alignment       7         6.3       Starting the Liquid Release       10         6.4       Completing the Liquid Release       14         FIGURES       FIGURE 1       LIQUID RELEASE PERMIT - UNIT 1       15	2.0 REFERENC	ES	3
4.0       PRECAUTIONS / LIMITATIONS       4         5.0       RECORDS REQUIRED       5         6.0       INSTRUCTIONS       6         6.1       Initial Conditions       6         6.2       Valve Alignment       7         6.3       Starting the Liquid Release       10         6.4       Completing the Liquid Release       14         FIGURES       FIGURE 1       LIQUID RELEASE PERMIT - UNIT 1       15	3.0 PREREQUIS	SITES	4
5.0       RECORDS REQUIRED       5         6.0       INSTRUCTIONS       6         6.1       Initial Conditions       6         6.2       Valve Alignment       7         6.3       Starting the Liquid Release       10         6.4       Completing the Liquid Release       14         FIGURES       14       14         FIGURE 1       LIQUID RELEASE PERMIT - UNIT 1       15	4.0 PRECAUTIC	ONS / LIMITATIONS	4
6.0       INSTRUCTIONS       6         6.1       Initial Conditions       6         6.2       Valve Alignment       7         6.3       Starting the Liquid Release       10         6.4       Completing the Liquid Release       14         FIGURES         FIGURE 1       LIQUID RELEASE PERMIT - UNIT 1         15	5.0 RECORDS F	REQUIRED	5
6.1       Initial Conditions       6         6.2       Valve Alignment       7         6.3       Starting the Liquid Release       10         6.4       Completing the Liquid Release       14         FIGURES         FIGURE 1       LIQUID RELEASE PERMIT - UNIT 1         15	5.0 INSTRUCTIO	ONS	6
FIGURE 1 LIQUID RELEASE PERMIT - UNIT 1	6.1 Initial 6.2 Valve 6.3 Startir 6.4 Comp	Conditions Alignment ng the Liquid Release leting the Liquid Release	6 7 10 14
FIGURE 1 LIQUID RELEASE PERMIT - UNIT 1	FIGURES		
	-IGURE I EIQUI	D RELEASE PERMIT - UNIT 1	

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	7A	CONTROLLED LIQUID RELEASE TO THE	3 of 15		
ROCE	DURE NO.:	CIRCULATING WATER DISCHARGE			
1-	NOP-06.01	ST. LUCIE UNIT 1			
0.1	PURPOSE				
1.1	This procedu Waste Monit	ure provides instructions for the controlled release of liqu tor Tanks (WMT).	id from the		
2.0	REFERENC	ES			
		NOTE			
		a Regulatory commitment made by Technical Specifica	tions		
	S Indicates a Regulatory commitment made by Technical Specifications, Condition of License, Audit, LER, Bulletin, Operating Experience, License Renewal, etc. and shall NOT be revised without Facility Review Group review and Plant General Manager approval.				
	Indicates or other r consultat	a management directive, vendor recommendation, plan non-regulatory commitment that should NOT be revised tion with the plant staff.	it practice without		
	Ψ Indicates	a step that requires a sign off on an attachment.			
2.1	Technical Specifications				
	• Appe	ndix B part 2			
	• Techr	nical Requirements Manual			
2.2	Updated Final Safety Analysis Report (UFSAR)				
	• Section	on 11.2.2.2			
2.3	Managemen	t Directives and Regulatory Commitments			
	• ¶1 (	CR-1045			
2.4	Procedures				
	• Cherr	nistry Procedure C-200, Offsite Dose Calculation Manual	I (ODCM)		
	• Radia	ation Protection Manual			
	• COP-	01.05, Processing Aerated Liquid Waste			
	Miscellaneous Documents				
2.5	moconditio				



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PROCI	7A EDURE NO.: -NOP-06.01	CONTROLLED LIQUID RELEASE TO THE CIRCULATING WATER DISCHARGE ST. LUCIE UNIT 1	4 of 15	
3.0	PREREQUIS	ITES	<u>INITIAL</u>	
3.1	Electrical pow	ver is available to the following pumps:		
	<b>1</b> . 1A Wa	iste Monitor Pump Bkr. 1-40948		
	<b>2</b> . 1B Wa	iste Monitor Pump Bkr. 1-41756		
	3. Liquid	Waste Control Panel (LWCP) PP-109, Ckt. 18		
4.0	PRECAUTIO	NS / LIMITATIONS		
4.1	Prior to releas Release Pern for release pu	se, the tank contents shall be sampled, analyzed and a nit (LRP) prepared and approved. Once a sample has l irposes, radioactive waste shall NOT be added to the ta	and a Liquid e has been drawn o the tank.	
4.2	The Operator Release Pern	shall perform a release only after receipt of an approvenit. Form similar to Figure 1.	ed Liquid	
4.3	The Liquid Waste Monitor shall be in service during a release and frequently observed to assure that the count rate is below the trip point settings as noted on the Release Permit. If the Liquid Waste Monitor is determined to be inoperable, refer to C-200, Offsite Dose Calculation Manual (ODCM), Section 3.3.3.9 for required actions and provisions to proceed with the release.			
4.4	If activity reaches the high rate trip setpoint as indicated on the Release Permit, an alarm is activated in the Control Room and Flow Control Valve FCV-6627X trips closed. FCV-6627X may be closed from RTGB-105 to terminate the release at the Operator's discretion. Do not re-initiate a liquid release that has been terminated by a monitor alarm until authorized by the Chemistry Department.			
4.5	The minimum Pumps (ICWF Release Perm pumps for dilu	number of circulating water (CWP) and/or Intake Cooli b) should be in service during a release as specified by nit. Even though not desirable, a release may be made nition if administrative limits are not exceeded.	ng Water the Liquid with only ICW	

	REVISI	ON NO.:	PROCEDURE TITLE:	PAGE:
	PROCE		CONTROLLED LIQUID RELEASE TO THE	5 of 15
	1-	-NOP-06.01	ST. LUCIE UNIT 1	
	4.6	The ODCM I	imits for liquid releases are the following:	
		1. The constraints of the constraints of the constraints of the constraints of the constraint of the c	oncentration of radioactive material released from the side to the concentrations specified in 10 CFR Part 20, App 2, Column 2 for radionuclides other than dissolved or en . For dissolved or entrained noble gases, the concentra to 2 x 10 <sup>-4</sup> microcuries / ml total activity.	te shall be endix B, ntrained noble ition shall be
		2. To en on site	sure that the sum of radioactive releases from multiple r e do not exceed the site limits:	elease points
		Α.	No more than one batch release shall be made on site time.	at the same
		В.	Administrative limits of 80% of the site limits shall be us release liquid release permit.	sed for a batch
(		C.	Chemistry Department shall ensure as per COP-01.05 of all continuous and any batch release shall not excee A continuous release is Steam Generator Blowdown to canal with primary-to-secondary leakage. A batch relea- tank identified in the respective reactor unit's operating controlled liquid release to the circulating water dischar procedure.	that the sum d the site limit. the discharge ase is from a procedure for ge i.e. this
	4.7	Applicable ra	idiation protection, precautions and procedures shall be	observed.
	5.0	RECORDS F	REQUIRED	
	5.1	A completed procedure wi with QI-17-P	Liquid Release Permit with the final activity page attach ith signed off steps shall be maintained in the plant files i SL-1, Quality Assurance Records.	ment and this in accordance
	5.2	Normal Log I	Entries	
(				

EVISIO	ON NO.:		PROCEDURE TITLE:	F	AGE:
ROCE	7A DURE NO	).: 	CONTROLLED LIQUID RELEASE TO TH CIRCULATING WATER DISCHARGE	łE	6 of 15
1-1	NOP-0	6.01	ST. LUCIE UNIT 1		
i. <b>0</b>	INST	RUCTI	ONS		INITIAL
.1	Initial	Condit	ions		
	1.	ENSL	JRE Section 3.0, Prerequisites, completed.		
	2.	REVI	EW Section 4.0, Precautions / Limitations.		<del></del>
	3.	REVII under	EW the Liquid Release Permit for appropriate signate signate signate signate signate structure of the second secon	gnatures	
		Permi	it Number		
		Tank	releasing		
4. ¶1 RE		¶1 F (	REVIEW the Equipment Out of Service Log and Channel R-6627, Liquid Waste Monitor has been Out of Service.	determine declared	e if
	5.	<u>If</u> Cha follow	Jut of Service. Innel R-6627 is Out of Service, <u>Then</u> PERFORM ing:	the	
				YES	NO
		Α.	Has Chemistry attached two independent Radioactivity analysis of the tank to the Release Permit?		
		В.	Has Chemistry attached two independent Release Rate Calculations for the tank on the Release Permit?		
		C.	Have you arranged for independent verification of the discharge valve alignment?		
		<u>If</u> the a approv	answer to any of the above questions is "No", <u>Th</u> ve the Liquid Release Permit.	<u>en</u> STOP	P, do not
			END OF SECTION 6.1		

(

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<b>REVISION NO.:</b>
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PROCEDURE TITLE:

7A PROCEDURE NO.: 1-NOP-06.01

# CONTROLLED LIQUID RELEASE TO THE CIRCULATING WATER DISCHARGE ST. LUCIE UNIT 1

PAGE:

#### 7 of 15

# 6.2 Valve Alignment

# CAUTION

If the Liquid Waste Monitor is Out of Service, two independent valve alignments shall be performed to verify the discharge line valving.

1. PERFORM the following valve alignment.

## AT CCW PLATFORM

VALVE NUMBER	DESCRIPTION	POSITION	INITIAL
V21462	Waste Monitor Pumps Disch to Disch Canal Isol	LOCKED CLOSED	
V06247	Waste Monitor Tanks Inlet Isol	OPEN	
V06238	Waste Monitor Pumps Discharge Recirc Isol	CLOSED	
V06239	RE-6627 Upstrm Root	OPEN	
V06240	RE-6627 Dwnstrm Root	OPEN	
V06241	FE-6627 Upstrm Root	OPEN	
V06242	FE-6627 Dwnstrm Root	OPEN	
V38175	RE-6627 Demineralized Water Flush	CLOSED	

#### AT WASTE MONITOR PUMPS

VALVE NUMBER	DESCRIPTION	POSITION	INITIAL
V06221	1A/1B Waste Monitor Tank Outlet Crossover Isol	CLOSED	
V06222	1A/1B Waste Monitor Pump Recirc Crossover Isol	CLOSED	

2. PERFORM the following valve alignment for the appropriate tank to be discharged: Valve alignment for the non-discharged tank is not necessary. (Check appropriate tank.)

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# 6.2 Valve Alignment (continued)

- **2.** (continued)
  - A. <u>If 1A Waste Monitor Tank is being discharged with the 1A Waste</u> Monitor Pump, <u>Then</u> PERFORM the following alignment:

VALVE NUMBER	DESCRIPTION	POSITION	INITIAL
V06231	1B Waste Monitor Pump Disch Isol	CLOSED	
V06207	1A Waste Monitor Tank Outlet Isol	OPEN	
V06208	1A Waste Monitor Pump Suct Isol	OPEN	
V06215	1A Waste Monitor Pump Disch Isol	CLOSED	
V06220	1A Waste Monitor Pump Disch Recirc Isol	OPEN	
HCV-06-6	Waste Monitor Tanks Inlet	Selected to 1B WMT	

**B.** If 1B Waste Monitor Tank is being discharged with the 1B Waste Monitor Pump, <u>Then</u> PERFORM the following alignment:

VALVE NUMBER	DESCRIPTION	POSITION	INITIAL
V06215	1A Waste Monitor Pump Discharge Isol	CLOSED	
V06223	1B Waste Monitor Tank Outlet Isol	OPEN	
V06224	1B Waste Monitor Pump Suct Isol	OPEN	
V06231	1B Waste Monitor Pump Discharge Isol	CLOSED	
V06235	1B Waste Monitor Pump Disch Recirc Isol	OPEN	
HCV-06-6	Waste Monitor Tanks Inlet	Selected to 1A WMT	

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# 6.2 Valve Alignment (continued)

- 2. (continued)
  - **C.** <u>If</u> 1A Waste Monitor Tank is being discharged with the 1B waste monitor pump, <u>Then</u> PERFORM the following alignment:

VALVE NUMBER	DESCRIPTION	POSITION	INITIAL
V06215	1A Waste Monitor Pump Disch Isol	CLOSED	
V06223	1B Waste Monitor Tank Outlet Isol	CLOSED	
V06224	1B Waste Monitor Pump Suct Isol	OPEN	
V06231	1B Waste Monitor Pump Disch Isol	CLOSED	
V06235	1B Waste Monitor Pump Disch Recirc Isol	CLOSED	
HCV-06-6	Waste Monitor Tanks Inlet	Selected to 1B WMT	
V06221	1A/1B Waste Monitor Tank Outlet Crossover Isol	OPEN	
V06207	1A Waste Monitor Tank Outlet Isol	OPEN	
V06222	1A/1B Waste Monitor Pump Recirc Crossover Isol	OPEN	
V06220	1A Waste Monitor Pump Disch Recirc Isol	OPEN	

**D.** <u>If</u> 1B Waste Monitor Tank is being discharged with the 1A waste monitor pump, <u>Then</u> PERFORM the following alignment:

VALVE NUMBER	DESCRIPTION	POSITION	INITIAL
V06231	1B Waste Monitor Pump Disch Isol	CLOSED	
V06207	1A Waste Monitor Tank Outlet Isol	CLOSED	
V06208	1A Waste Monitor Pump Suct Isol	OPEN	
V06215	1A Waste Monitor Pump Disch Isol	CLOSED	
V06220	1A Waste Monitor Pump Disch Recirc Isol	CLOSED	
HCV-06-6	Waste Monitor Tanks Inlet	Selected to 1A WMT	
V06221	1A/1B Waste Monitor Tank Outlet Crossover Isol	OPEN	
V06223	1B Waste Monitor Tank Outlet Isol	OPEN	
V06222	1A/1B Waste Monitor Pump Recirc Crossover Isol	OPEN	
V06235	1B Waste Monitor Pump Disch Recirc Isol	OPEN	

#### END OF SECTION 6.2

REVISION NO .:	
7A	
PROCEDURE NO .:	

1-NOP-06.01

PROCEDURE TITLE:

CONTROLLED LIQUID RELEASE TO THE CIRCULATING WATER DISCHARGE ST. LUCIE UNIT 1

# 6.3 Starting the Liquid Release

<u>NOTE</u> Low WMT level may cause the flow switch for RE-6627 to actuate.

- 1. VERIFY that the minimum number of CW or ICW Pumps required by Liquid Release Permit is in service.
- 2. ENTER the pumps in operation in section IV of permit.
- 3. ENSURE FIC-6627 Manual Control Knob is FULL counterclockwise.
- 4. ENSURE FIC-6627 is in MANUAL.
- 5. PLACE Liquid Waste Flow Valve Selector to FCV-6627X position.
- 6. OPEN FCV-6627X using FIC-6627 Manual Control Knob.
- 7. If Waste Monitor Pump 1A is to be used, <u>Then</u> PERFORM the following:
  - A. START 1A Waste Monitor Pump
    - 1. <u>If</u> releasing the 1A Waste Monitor Tank, <u>Then</u> THROTTLE CLOSE V06220, 1A Waste Monitor Pump Discharge Recirc Isol, to attain 20 to 25 psig on PI-06-47A, 1A Waste Monitor Pump Press.
    - 2. <u>If releasing the 1B Waste Monitor Tank, Then THROTTLE</u> CLOSED V06235, 1B Waste Monitor Pump Discharge Recirc Isolation, to attain 20 to 25 psig on PI-06-47A, 1A Waste Monitor Pump Pressure.
  - B. OPEN V06215, 1A Waste Monitor Pump Discharge Isol.
  - C. <u>If pump discharge pressure does not return to approximately 20 to</u> 25 psig after the discharge valve is opened, <u>Then PERFORM the</u> following:
    - 1. CLOSE V06215, 1A Waste Monitor Pump Discharge Isolation.
    - 2. STOP 1A Waste Monitor Pump.
    - 3. VERIFY correct valve lineup before continuing.
|       | ON NO.: |              | PROC  | EDURE TITLE:   | PAGE:                              |
|-------|---------|--------------|---|--|------------------------------------|
|       | 7A      |              |   | CONTROLLED LIQUID RELEASE TO THE   | 11 of 15                           |
| PROCE | DURE NO | D.:          |   | CIRCULATING WATER DISCHARGE  | 110113                             |
| 1-    | NOP-0   | )6.01        |   | ST. LUCIE UNIT 1   |                                    |
| 6.3   | Start   | ing the      | Liquid  | Release (continue)   |                                    |
|       | 8.      | <u>lf</u> Wa | ste Mo  | onitor Pump 1B is to be used, <u>Then</u> PERFORM th   | e following:                       |
|       |         | Α.           | STA   | RT 1B Waste Monitor Pump.  |                                    |
|       |         |              | 1.  | <u>If</u> releasing 1B Waste Monitor Tank, <u>Then</u> THR<br>CLOSED V06235, 1B Waste Monitor Pump Dis<br>Isolation, to attain 20 to 25 psig on PI-06-47B, 1<br>Monitor Pump Press.    | OTTLE<br>charge Recirc<br>IB Waste |
|       |         |              | 2.  | <u>If</u> releasing 1A Waste Monitor Tank, <u>Then</u> THR<br>CLOSED V06220, 1A Waste Monitor Pump Dis<br>Isolation, to attain 20 to 25 psig on PI-06-47B, 1<br>Monitor Pump Pressure. | OTTLE<br>charge Recirc<br>IB Waste |
|       |         | В.           | OPE   | N V06231, 1B Waste Monitor Pump Discharge Is   | olation.                           |
|       |         | C.           | <u>lf</u> pur<br>psig<br>follov   | mp discharge pressure does not return to approxi<br>after the discharge valve is opened, <u>Then PERFC</u><br>wing:  | mately 20 to 25<br>DRM the         |
|       |         |              | 1.  | CLOSE V06231, 1B Waste Monitor Pump Discl  | n Isol.                            |
|       |         |              | 2.  | STOP 1B Waste Monitor Pump.  |                                    |
|       |         |              | 3.  | VERIFY correct valve lineup before continuing.   |                                    |
|       | 9.      | RECO         | ORD th  | ne following liquid release data in Section IV of LR   | P:                                 |
|       |         | Α.           | Start   | date and time  |                                    |
|       |         | В.           | Start   | ing tank level.  |                                    |
|       | 10.     | LOCK         | ( OPE   | N V21462, Waste Monitor Pumps Disch to Disch   | Canal Isol                         |
|       | 11.     | MON          | ITOR I  | FR-6627 <u>and</u> ADJUST FIC-6627 to maintain relea   | se flow:                           |
|       |         | А.           | <u>If</u> releasing 1B Waste Monitor Tank, <u>Then</u> THROTTLE FCV-6627X<br>by adjusting FIC-6627 Manual Control Knob, to attain no greater than<br>50 gpm on FR-6627. |  |                                    |
|       |         | В.           | <u>lf</u> rele<br>by ac<br>50 gr  | easing 1A Waste Monitor Tank, <u>Then</u> THROTTLE<br>Ijusting FIC-6627 Manual Control Knob, to attain r<br>om on FR-6627.   | FCV-6627X<br>no greater than       |

		PROCE	EDURE TITLE:	PAGE:	
7A PROCEDURE NO 1-NOP-0	 6.01		CONTROLLED LIQUID RELEASE TO THE CIRCULATING WATER DISCHARGE ST. LUCIE UNIT 1	12 of 15	
6.3 Starti	na the L	iauid	Release (continue)	L	
12.	MONI ensure the rel	TOR I e rate ease.	iquid radwaste effluent radiation monitor activity ( below those specified on the LRP, for the first few	uCi/ml) to v minutes of	
13.	MONI	TOR t	he Liquid Waste Control Panel for the following:		
	Α.	Loca	I Alarm		
	В.	ENS	URE the Waste Monitor pump stops at Lo-Level s	etpoint.	
If the the U	liquid w nit Supe	vaste i erviso	NOTE monitor is out of service the release may continue or determines that the release is complete.	until	
	C.	<u>Wher</u> (annu	<u>n</u> the liquid waste monitor, R-6627, alarms on low unciator X-5), <u>Then</u> PERFORM the following:	sample flow	N.
		1.	<u>If</u> the 1A Waste Monitor Pump is being used for <u>Then</u> CLOSE V06215, 1A Waste Monitor Pump Isolation.	liquid release, Discharge	
			OR		
			If the 1B Waste Monitor Pump is being used for <u>Then</u> CLOSE V06231, 1B Waste Monitor Pump Isolation.	liquid release, Discharge	
	D.	<u>If</u> the PERF	Liquid Release Permit requests a RE-6627 Demi FORM the following:	n Flush, <u>Then</u>	ix.
		1.	PLACE V06239, RE-6627 Upstrm Root, in the C position.	CLOSED	
		2.	NOTIFY the Control Room that Channel RE-662	?7 is OOS.	1
		3.	PLACE V38175, DMW to RE-6627 Isol, in the O throttled OPEN as needed) position.	PEN (or	
		4.	FLUSH RE-6627 with Demineralized Water for a	approximately	
			4 minutes.		

REVISI	ON NO.:		PROCE	EDURE TITLE:	PAGE:
PROCE	7A DURE NO	D.:		CONTROLLED LIQUID RELEASE TO THE CIRCULATING WATER DISCHARGE	13 of 15
1-	NOP-0	06.01		ST. LUCIE UNIT 1	
6.3	Start	ing the	Liquid	Release (continue)	INITIAL /IV
	13.	D.	(cont	inued)	
			6.	PLACE V06239, RE-6627 Upstrm Root, in the OPEN position.	/
			7.	NOTIFY the Control Room that Channel RE-662 service.	27 is back in
		Ε.	PLAC	CE FCV-6627X Selector switch to the CLOSED po	osition.
		F.	PLAC	CE FIC-6627 Manual Control Knob full counter clo	ckwise.
		G.	OPE	N the Waste Monitor Pump Discharge Isolation:	
			•	V06215, 1A Waste Monitor Pump Discharge Isc	olation
				OR	
			•	V06231, 1B Waste Monitor Pump Discharge Isc	lation
				END OF SECTION 6.5	

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/R7A

/R7

REVISION NO .:	PROCEDURE TITLE:	PAGE:
7A	CONTROLLED LIQUID RELEASE TO THE	
PROCEDURE NO .:	CIRCULATING WATER DISCHARGE	14 of 15
1-NOP-06.01	ST. LUCIE UNIT 1	

- 1. <u>If the Liquid release is complete, Then</u> RECORD the following data in Section IV on Release Permit:
  - A. Release stop date and time
  - B. Monitor Tank ending level
- 2. <u>If the Liquid release is complete, Then PERFORM the following valve alignment:</u>

VALVE NUMBER	DESCRIPTION	POSITION	INITIAL
V06207	1A Waste Monitor Tank Outlet Isol	OPEN	t
V06208	1A Waste Monitor Pump Suct Isol	OPEN	
V06215	1A Waste Monitor Pump Disch Isol	CLOSED	<u>+</u> -
V06220	1A Waste Monitor Pump Disch Recirc Isol	OPEN	
V21462	Waste Monitor Pumps Disch to Disch	LOCKED	
V21402	Canal Isol	CLOSED	
V06221	1A/1B Waste Monitor Tank Outlet Crossover Isol	CLOSED	
V06222	1A/1B Waste Monitor Pump Recirc Crossover Isol	CLOSED	
V06223	1B Waste Monitor Tank Outlet Isol	OPEN	······
V06224	1B Waste Monitor Pump Suct Isol	OPEN	
V06231	1B Waste Monitor Pump Disch Isol	CLOSED	
V06235	1B Waste Monitor Pump Disch Recirc Isol	OPEN	

3. ROUTE completed release package to Nuclear Plant Supervisor / Assistant Nuclear Plant Supervisor for review.

#### END OF SECTION 6.4

TA       CONTROLLED LIQUID RELEASE TO THE CIRCULATING WATER DISCHARGE       15 of 15         PROCEDURE NO.:       1-NOP-06.01       ST. LUCIE UNIT 1       15         FIGURE 1 LIQUID RELEASE PERMIT - UNIT 1 (Page 1 of 1)         1.       TANK DATA A. IRP Permit #       B. Date and Time       C. Tank Name       D. Discharge Volume (Gallons)         II.       PRE-RELEASE DATA (µCi/ml = micro curies per milliliter)       µCi/ml       µCi         A.       Total Activity Of Solids       µCi         B.       Total Activity Of Solids       µCi         C.       Tank Recirced As Per COP-01.05       Initials         D.       Minimum Pumps During Release       GPM         F.       Fraction Of 10 CFR 20 Limits At Canal       FI         Canal (Solids) (Admin Limit < 0.8)       G       GIMN         G.       Total Noble Gas Activity After Dilution       Fg         (Gases) (Admin Limit < 1.60E-04)       H       Liquid Radwaste Monitor Settings         Alert Setting       µCi/mI High Setting       µCi/mI         I Have Verified These Settings Are Entered On The Monitors Control Module In The Control Room.       Initials         I.       Liquid Rad Waste Monitor Source Check Performed By:       Initials         J.       LRP LIMS Number       Monitor Source Check Perfor	7A PROCEDURE NO.: 1-NOP-06.01	CONTROLLED LI CIRCULATING ST. L	QUID RELEASI WATER DISCH UCIE UNIT 1	E TO THE HARGE	15 of 15				
PROCEDURE NO:       CIRCULATING WATER DISCHARGE       15 of 15         1-NOP-06.01       ST. LUCIE UNIT 1       115 of 15         FIGURE 1 LIQUID RELEASE PERMIT - UNIT 1 (Page 1 of 1)         1. TANK DATA       (Page 1 of 1)         1. TANK DATA       (Page 1 of 1)         1. TANK DATA       D. Discharge Volume (Gallons)         II. PRE-RELEASE DATA (µCl/ml = micro curies per milliliter)       µCi/ml         A. Total Concentration Of Solids       µCi         B. Total Activity Of Solids       µCi         C. Tank Recirced As Per COP-01.05       Initials         D. Minimum Pumps During Release       CWPs         E. Maximum Release Rate During Release       GPM         F. Fraction Of 10 CFR 20 Limits At Canal       FI         Canal (Solids) (Admin Limit < 0.8)	PROCEDURE NO.: 1-NOP-06.01	CIRCULATING ST. L	WATER DISCH	IARGE	15 of 15				
Involution       Image of the property		ST. L		IARGE					
1-NOP-06.01       ST. LUCIE UNIT 1         FIGURE 1 LIQUID RELEASE PERMIT - UNIT 1 (Page 1 of 1)         1. TANK DATA A. IRP Permit # B. Date and Time C. Tank Name D. Discharge Volume (Gallons)         II. PRE-RELEASE DATA (µCi/ml = micro curies per milliliter)         A. Total Concentration Of Solids         B. Total Activity Of Solids         L. Tank Recirced As Per COP-01.05         D. Minimum Pumps During Release         C. Tank Recirced As Per COP-01.05         Initials         D. Minimum Pumps During Release         CWPs         E. Maximum Release Rate During Release         Gases) (Admin Limit < 0.8)		ST. L	UCIE UNIT 1						
FIGURE 1 LIQUID RELEASE PERMIT - UNIT 1 (Page 1 of 1)         I. TANK DATA         A. IRP Permit # B. Date and Time C. Tank Name       D. Discharge Volume (Gallons)         II. PRE-RELEASE DATA (µCi/ml = micro curies per milliliter)		FIG			1				
I. TANK DATA         A. IRP Permit #       B. Date and Time       C. Tank Name       D. Discharge Volume (Gallons)         II. PRE-RELEASE DATA (μCi/ml = micro curies per milliliter)		FIGURE 1 LIQUID RELEASE PERMIT - UNIT 1 (Page 1 of 1)							
A. IRP Permit #       B. Date and Time       C. Tank Name       D. Discharge Volume (Gallons)         II. <u>PRE-RELEASE DATA</u> (µCi/ml = micro curies per milliliter)       A. Total Concentration Of Solids       µCi         B. Total Activity Of Solids       µCi       µCi         C. Tank Recirced As Per COP-01.05       Initials         D. Minimum Pumps During Release       CWPs       ICWPs         E. Maximum Release Rate During Release       GPM         F. Fraction Of 10 CFR 20 Limits At Canal       FI         Canal (Solids) (Admin Limit < 0.8)				<u>_</u>	· · · · · · · · · · · · · · · · · · ·				
II. PRE-RELEASE DATA (µCi/ml = micro curies per milliliter)         A. Total Concentration Of Solids       µCi         B. Total Activity Of Solids       µCi         C. Tank Recirced As Per COP-01.05       Initials         D. Minimum Pumps During Release       CWPs         E. Maximum Release Rate During Release       GPM         F. Fraction Of 10 CFR 20 Limits At Canal       FI         Canal (Solids) (Admin Limit < 0.8)	A. IRP Permit # B.	Date and Time C. Tank N	lame	D. Discharge V	olume (Gallons)				
A.       Total Concentration Of Solids       µCi         B.       Total Activity Of Solids       µCi         C.       Tank Recirced As Per COP-01.05       Initials         D.       Minimum Pumps During Release       CWPs         E.       Maximum Release Rate During Release       GPM         F.       Fraction Of 10 CFR 20 Limits At Canal       FI         Canal (Solids)       (Admin Limit < 0.8)	II. PRE-RELEASE DAT	A (µCi/ml = micro curies per	milliliter)						
B.       Total Activity Of Solids       μCi         C.       Tank Recirced As Per COP-01.05       Initials         D.       Minimum Pumps During Release       ICWPs         E.       Maximum Release Rate During Release       GPM         F.       Fraction Of 10 CFR 20 Limits At Canal       FI         Canal (Solids) (Admin Limit < 0.8)	A. Total Concentration	on Of Solids			µCi/ml				
C.       Tank Recirced As Per COP-01.05       Initials         D.       Minimum Pumps During Release       ICWPs         E.       Maximum Release Rate During Release       GPM         F.       Fraction Of 10 CFR 20 Limits At Canal       FI         Canal (Solids) (Admin Limit < 0.8)	B. Total Activity Of S	Solids			μCi				
D.       Minimum Pumps During Release      CWPs       ICWPs         E.       Maximum Release Rate During Release      GPM         F.       Fraction Of 10 CFR 20 Limits At Canal      FI         Canal (Solids) (Admin Limit < 0.8)	C. Tank Recirced As	Per COP-01.05			Initials				
<ul> <li>E. Maximum Release Rate During Release GPM</li> <li>F. Fraction Of 10 CFR 20 Limits At Canal FI</li> <li>Canal (Solids) (Admin Limit &lt; 0.8)</li> <li>G. Total Noble Gas Activity After Dilution Fg</li> <li>(Gases) (Admin Limit &lt; 1.60E-04)</li> <li>H. Liquid Radwaste Monitor SettingsµCi/ml High SettingµCi/ml I Have Verified These Settings Are Entered On The Monitors Control Module In The Control Room Initials</li> <li>I. Liquid Rad Waste Monitor Source Check Performed By: Initials</li> <li>J. LRP LIMS Number Monitor Source Check LIMS Number</li> <li>III. <u>AUTHORIZATION</u></li> <li>A. Permit Preparer Verifies Release Will Not Exceed Admin Limits Signature</li> <li>B. Release Approved By Permit Preparer If II.B Is 25000 µCi Signature</li> <li>C. Release Approved By Chemistry Supv If II.B Is &gt; 25000 µCi Signature</li> <li>D. Release Conditions Approved by ANPS: Signature</li> <li>IV. <u>ACTUAL RELEASE DATA</u></li> <li>A. Number Of Pumps Running CWPs ICWPs</li> </ul>	D. Minimum Pumps	During Release	CWPs	·····	ICWPs				
F.       Fraction Of 10 CFR 20 Limits At Canal Canal (Solids) (Admin Limit < 0.8)	E. Maximum Releas	e Rate During Release			GPM				
<ul> <li>Canal (Solids) (Admin Limit &lt; 0.8)</li> <li>G. Total Noble Gas Activity After Dilution Fg (Gases) (Admin Limit &lt; 1.60E-04)</li> <li>H. Liquid Radwaste Monitor SettingsµCi/ml High SettingµCi/ml I Have Verified These Settings Are Entered On The Monitors Control Module In The Control Room Initials</li> <li>I. Liquid Rad Waste Monitor Source Check Performed By: Initials</li> <li>J. LRP LIMS Number Monitor Source Check LIMS Number</li> <li>III. <u>AUTHORIZATION</u></li> <li>A. Permit Preparer Verifies Release Will Not Exceed Admin Limits Signature</li> <li>B. Release Approved By Permit Preparer If II.B Is 25000 µCi Signature</li> <li>C. Release Approved By Chemistry Supv If II.B Is &gt; 25000 µCi Signature</li> <li>D. Release Conditions Approved by ANPS: Signature</li> <li>IV. <u>ACTUAL RELEASE DATA</u></li> <li>A. Number Of Pumps RunningCWPs ICWPs</li> </ul>	F. Fraction Of 10 CF	R 20 Limits At Canal			FI				
G.       Total Noble Gas Activity After Dilution      Fg         (Gases) (Admin Limit < 1.60E-04)	Canal (Solids) (A	dmin Limit < 0.8)							
<ul> <li>(Gases) (Admin Limit &lt; 1.60E-04)</li> <li>H. Liquid Radwaste Monitor Settings Alert SettingµCi/ml High SettingµCi/ml I Have Verified These Settings Are Entered On The Monitors Control Module In The Control Room Initials</li> <li>I. Liquid Rad Waste Monitor Source Check Performed By: Initials</li> <li>J. LRP LIMS Number Monitor Source Check LIMS Number</li> <li>III. <u>AUTHORIZATION</u></li> <li>A. Permit Preparer Verifies Release Will Not Exceed Admin Limits Signature</li> <li>B. Release Approved By Permit Preparer If II.B Is 25000 µCi Signature</li> <li>C. Release Approved By Chemistry Supv If II.B Is &gt; 25000 µCi Signature</li> <li>D. Release Conditions Approved by ANPS: Signature</li> <li>IV. <u>ACTUAL RELEASE DATA</u></li> <li>A. Number Of Pumps Running CWPs ICWPs</li> </ul>	G. Total Noble Gas A	Activity After Dilution		<u> </u>	Fg				
H.       Liquid Radwaste Monitor Settings         Alert SettingµCi/ml       High SettingµCi/ml         I Have Verified These Settings Are Entered On The       Initials         Monitors Control Module In The Control Room.      Initials         I.       Liquid Rad Waste Monitor Source Check Performed By:      Initials         J.       LRP LIMS NumberMonitor Source Check LIMS NumberInitials       Initials         III.       AUTHORIZATION      Monitor Source Check LIMS NumberInitials         A.       Permit Preparer Verifies Release Will Not Exceed Admin Limits       Signature         B.       Release Approved By Permit Preparer If II.B Is 25000 µCi      Signature         C.       Release Approved By Chemistry Supv If II.B Is > 25000 µCi      Signature         D.       Release Conditions Approved by ANPS:      Signature         IV.       ACTUAL RELEASE DATA	(Gases) (Admin I	Limit < 1.60E-04)							
I Have Verified These Settings Are Entered On The Monitors Control Module In The Control Room.       Initials         I. Liquid Rad Waste Monitor Source Check Performed By:       Initials         J. LRP LIMS Number Monitor Source Check LIMS Number       Initials         III. AUTHORIZATION	In. Liquid Radwaste	Monitor Settings	h Sotting						
Monitors Control Module In The Control Room.       Initials         I.       Liquid Rad Waste Monitor Source Check Performed By:       Initials         J.       LRP LIMS Number Monitor Source Check LIMS Number       Initials         III.       AUTHORIZATION       Signature         A.       Permit Preparer Verifies Release Will Not Exceed Admin Limits       Signature         B.       Release Approved By Permit Preparer If II.B Is 25000 µCi       Signature         C.       Release Approved By Chemistry Supv If II.B Is > 25000 µCi       Signature         D.       Release Conditions Approved by ANPS:       Signature         IV.       ACTUAL RELEASE DATA       A.       Number Of Pumps Running       CWPs       ICWPs	Have Verified Th	etting µC//mi Hig	n Setting	_µCi/mi					
I.       Liquid Rad Waste Monitor Source Check Performed By:       Initials         J.       LRP LIMS NumberMonitor Source Check LIMS Number       Initials         III.       AUTHORIZATION       Signature         A.       Permit Preparer Verifies Release Will Not Exceed Admin Limits Signature       Signature         B.       Release Approved By Permit Preparer If II.B Is 25000 μCi       Signature         C.       Release Approved By Chemistry Supv If II.B Is > 25000 μCi       Signature         D.       Release Conditions Approved by ANPS:       Signature         IV.       ACTUAL RELEASE DATA       A.         A.       Number Of Pumps RunningCWPs       ICWPs	Monitors Control	Module In The Control Room			Initials				
J.       LRP LIMS Number Monitor Source Check LIMS Number         III.       AUTHORIZATION         A.       Permit Preparer Verifies Release Will Not Exceed Admin Limits Signature         B.       Release Approved By Permit Preparer If II.B Is 25000 µCi Signature         C.       Release Approved By Chemistry Supv If II.B Is > 25000 µCi Signature         D.       Release Conditions Approved by ANPS: Signature         IV.       ACTUAL RELEASE DATA         A.       Number Of Pumps Running CWPs ICWPs	I. Liquid Rad Waste	Monitor Source Check Perf	ormed By:	<u></u>	Initials				
III.       AUTHORIZATION         A.       Permit Preparer Verifies Release Will Not Exceed Admin Limits       Signature         B.       Release Approved By Permit Preparer If II.B Is 25000 µCi       Signature         C.       Release Approved By Chemistry Supv If II.B Is > 25000 µCi       Signature         D.       Release Conditions Approved by ANPS:       Signature         IV.       ACTUAL RELEASE DATA       Signature         A.       Number Of Pumps Running       CWPs       ICWPs	J. LRP LIMS Number	er Monitor Source	e Check LIMS Num	ber	Indiais				
A.       Permit Preparer Verifies Release Will Not Exceed Admin Limits       Signature         B.       Release Approved By Permit Preparer If II.B Is, 25000 µCi       Signature         C.       Release Approved By Chemistry Supv If II.B Is > 25000 µCi       Signature         D.       Release Conditions Approved by ANPS:       Signature         IV.       ACTUAL RELEASE DATA       Signature         A.       Number Of Pumps Running       CWPs       ICWPs	III. AUTHORIZATION								
B.       Release Approved By Permit Preparer If II.B Is 25000 μCi	A. Permit Preparer V	/erifies Release Will Not Exc	eed Admin Limits		Signature				
C.       Release Approved By Chemistry Supv If II.B Is > 25000 µCi       Signature         D.       Release Conditions Approved by ANPS:       Signature         IV.       ACTUAL RELEASE DATA       Signature         A.       Number Of Pumps Running       CWPs       ICWPs	B. Release Approve	d By Permit Preparer If II.B Is	s 25000 µCi		Signature				
D.       Release Conditions Approved by ANPS:	C Release Approve	d By Chemistry Supv If II.B Is	s > 25000 µCi		Signature				
IV.         ACTUAL RELEASE DATA           A.         Number Of Pumps Running        CWPs        ICWPs	D. Release Condition	ns Approved by ANPS:	•		Signature				
A. Number Of Pumps RunningCWPsICWPs	IV. ACTUAL RELEAS	E DATA							
	A. Number Of Pump	s Running	CWPs		ICWPs				
B. Tank Level At Start Of Release	B. Tank Level At Sta	rt Of Release							
C. Date And Time At Start Of Release	C. Date And Time At	Start Of Release							
D. Date And Time At End Of Release	D. Date And Time At	End Of Release							
E. Tank Level At End Of Release	E. Tank Level At End	d Of Release							
F. Reviewed By ANPS Signature	F. Reviewed By ANF	°S			Signature				
V. POST RELEASE DATA	V. POST RELEASE D	ATA							
A. Total Volume This Release Gallons	A. Total Volume This	Release			Gallons				
B. Total Activity Of Solids Released	B. Total Activity Of S	olids Released			μCi				
C. Post Release Reviewed By Chemistry Supervisor Signature	C. Post Release Rev	iewed By Chemistry Supervi	sor		Signature				
S_OPS					S_OPS				
DOCN				DOCN					
SYS				SYS					
COMP									
''M				'' <sup></sup>					
				L	J				
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#### ST. LUCIE PLANT CHEMISTRY OPERATING PROCEDURE NO. C-200, REVISION 25 OFFSITE DOSE CALCULATION MANUAL (ODCM)

#### **INSTRUMENTATION**

#### RADIOACTIVE LIQUID EFFLUENT MONITORING INSTRUMENTATION

#### CONTROLS

3.3.3.9 In accordance with St. Lucie Plant TS 6.8.4.f.1), the radioactive liquid effluent monitoring instrumentation channels shown in Table 3.3-12 shall be OPERABLE with their Alarm/Trip Setpoints set to ensure that the limits of Control 3.11.1.1 are not exceeded. The Alarm/Trip Setpoints of these channels shall be determined and adjusted in accordance with the methodology and parameters in the OFFSITE DOSE CALCULATION MANUAL (ODCM).

<u>APPLICABILITY:</u> At all times.

#### ACTION:

- a. With a radioactive liquid effluent monitoring instrumentation channel Alarm/Trip Setpoint less conservative than required by the above control, immediately suspend the release of radioactive liquid effluents monitored by the affected channel or declare the channel inoperable or change the setpoint so it is acceptably conservative.
- b. With less than the minimum number of radioactive liquid effluent monitoring instrumentation channels OPERABLE, take the ACTION shown in Table 3.3-12. Restore the inoperable instrumentation to OPERABLE status within 30 days and, if unsuccessful, explain in the next Annual Radioactive Effluent Release Report why this inoperability was not corrected in a timely manner.
- c. Report all deviations in the Annual Radioactive Effluent Release Report.

#### SURVEILLANCE REQUIREMENTS

4.3.3.9 Each radioactive liquid effluent monitoring instrumentation channel shall be demonstrated OPERABLE by performance of the CHANNEL CHECK, SOURCE CHECK, CHANNEL CALIBRATION and CHANNEL FUNCTIONAL TEST at the frequencies shown in Table 4.3-8.

St. Lucie Plant ODCM Controls

#### ST. LUCIE PLANT CHEMISTRY OPERATING PROCEDURE NO. C-200, REVISION 25 OFFSITE DOSE CALCULATION MANUAL (ODCM)

#### TABLE 3.3-12

#### RADIOACTIVE LIQUID EFFLUENT MONITORING INSTRUMENTATION

		INSTRUMENT	MINIMUM CHANNELS OPERABLE	ACTION
1.	Rac Ala Rel	dioactivity Monitors Providing rm and Automatic Termination of ease		
	a)	Liquid Radwaste Effluent Line	1	35
	b)	Steam Generator Blowdown Effluent Line	1/SG	36, 37
2.	Flo	w Rate Measurement Devices		
	a)	Liquid Radwaste Effluent Line	N.A.	38
	b)	Discharge Canal	N.A.	38
	c)	Steam Generator Blowdown Effluent Lines	N.A.	38

SG - Denotes Steam Generator

#### ST. LUCIE PLANT CHEMISTRY OPERATING PROCEDURE NO. C-200, REVISION 25 OFFSITE DOSE CALCULATION MANUAL (ODCM)

#### TABLE 3.3-12 (Continued)

#### **ACTION STATEMENTS**

ACTION 35 - With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, effluent releases may continue provided that prior to initiating a release: /R25

- a. At least two independent samples are analyzed in accordance with the Surveillance Requirement for concentration limit of Control 4.11.1.1.1. and
- b. At least two technically qualified members of the Facility Staff independently verify the release rate calculations and discharge line valving.

Otherwise, suspend release of radioactive effluents via this pathway.

ACTION 36 - With the number of channels OPERABLE less than required by the Minimum Channels OPERABLE requirement, effluent releases via this pathway may continue for up to 30 days provided grab samples are analyzed for gross radioactivity (beta or gamma) at a limit of detection of at least 2.E-07 micro-Curie/ml:

- a. At least once per 8 hours<sup>(1)</sup> when the specific activity of the secondary coolant is greater than 0.01 micro-Curies/gram DOSE EQUIVALENT I-131 or
- b. At least once per 24 hours<sup>(1)</sup> when the specific activity of the secondary coolant is less than or equal to 0.01 micro-Curies/gram DOSE EQUIVALENT I-131.

### REGION II ST. LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

## LOSS OF CONTROL ROOM ANNUNICATORS UNIT 1

CANDIDATE \_\_\_\_\_

EXAMINER \_\_\_\_\_

#### REGION II ST LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

### LOSS OF CONTROL ROOM ANNUNICATORS UNIT 1

**KA Statement:** Knowledge of operator response to loss of all annunciators.

**KA #:** 2.4.32 (3.3 / 3.5)

**References:** ONP 2-100.03, Partial or Complete Loss of Annunicators EPIP-01, Classification of Emergencies EPIP-08, Off-Site Notifications and Protective Action Recommendations

Candidate:	Name	Time Start Time Finish
Performance Rating:	Sat	Unsat
Validation Time3	0 minutes (Time C	itical)
Examiner:		Signature:

**Comments** 

ST. LUCIE TRAINING DEPT. ADMINISTRATIVE JPM PAGE 2

#### REGION II ST LUCIE NUCLEAR PLANT INITIAL LICENSE EXAMINATION ADMINISTRATIVE JPM

#### LOSS OF CONTROL ROOM ANNUNICATORS UNIT 1

#### Directions to the candidate for Administrative JPMS:

I will explain the initial conditions and state the task to be performed. You will be allowed to use any reference normally available in the Control Room to complete the task. Ensure you indicate to me when you finish your assigned task by returning the material needed for the task that I provided to you.

#### **Initial Conditions**

Unit 1 is at 90% power performing a downpower to 45% due to electrical bus problems. The Reactor Operator has just reported that numerous annunicators are not working.

#### **Initiating Cue**

You are the Shift Manager. Unit 1 has just tested all annunicators and determined that the annunicators A, B, C, D, K, L, M, N, P, Q, R & S are not functioning. 10 Meter wind speed is 12 mph and direction is 90°. Complete the appropriate procedures as necessary. *This is a time-critical JPM.* 

#### START TIME: \_\_\_\_\_

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ONP 2-100.03	3, Partial or Complete Loss of Annunicators":	
<u>STEP 1:</u>	RECORD the time that annunciators were lost.	
		SAT
STANDARD:	RECORD current time.	μησάτ
COMMENTS:		
STEP 2:	TEST all Control Room alarm panels to determine the extent of any malfunction.	
		SAT
STANDARD:	<u><b>DETERMINE</b></u> annunicators A, B, C, D, K, L, M, N, P, Q, R & S are not functioning.	
		UNSAT
COMMENTS:		
STEP 3:	DETERMINE the affected annunciator panels (A, B, C, LR, etc.).	
		SAT
STANDARD:	<b>DETERMINE</b> annunicators A, B, C, D, K, L, M, N, P, Q, R & S are not functioning	
		UNSAT
COMMENTS:		

- 7

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<u>STEP 4:</u>	From the table below, DETERMINE the percentage of Safety System Annunciators that are lost by adding the percent of total for each affected panel.	CRITICAL STEP
STANDARD:	<b>DETERMINE</b> the percentage > 75%	SAT
	A 8.6% B 8.6% C 0.8% D 0.0% K 4.8% L 6.3% M 6.3% N 4.2% P 6.7% Q 10.3% R 10.9% S 10.3%	UNSAT
COMMENTS:		
<u>STEP 5:</u>	If the percentage of safety system annunciators exceeds 50%, Then EVALUATE and IMPLEMENT the E-Plan as required in EPIP-01, Classification of Emergencies.	CRITICAL STEP
STANDARD:	<b>IMPLEMENT</b> EPIP-01, Classification of Emergencies 8.B. LOSS OF ALARMS / COMMUNICATION /MONITORING	SAT UNSAT
COMMENTS:		

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	EPIP-01 Attach	ament 1 Step 8.B Loss of Alarms/Communication/Monitoring	CRITICAL		
STEP 6:	Classifies EAL	ALERI per Erir-UI	SIEP		
STANDARD:	<u>CLASSIFIES</u> 75%) or all sa progress.	ALERT due to Unplanned loss of most (greater than ifety system annunicators and Plant transient in	SAT		
EXAM	INER'S NOTE:	Record the time initial event Declaration is made	UNSAT		
		This must be within 15 of JPM Start Time			
EXAN	INER'S CUE:	Your task is to now complete a FLORIDA NUCLEAR PLANT NOTIFICATION FORM using EPIP-08.			
EXAM	INER'S NOTE:	HAND STUDENT EPIP-08			
COMMENTS:					
	EPIP-08 Attac	hment 1 Step 1A			
<u>STEP 7:</u>	Check appropr	iate box for drill or actual emergency as the case may be.	CRITICAL STEP		
	DRILL.		SAT		
STANDARD:	CHECK THIS I	IS A DRILL	UNSAT		
COMMEN <sup>®</sup>	COMMENTS:				

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	EPIP-08 Attachment 1 Step 2A	
<u>STEP 8:</u>	Enter today's date.	CRITICAL STEP
		SAT
STANDARD:	ENTER the current date.	LINGAT
	UTODIO NOTE OD 's second to durb an angle of with Clote Manning Daint	UNSAT
EVAL	is made	
	<u>TS:</u>	
	EPIP-08 Attachment 1 Step 2C	
<u>STEP 9:</u>	Enter the name of the person making the notification call.	CRITICAL STEP
		SAT
STANDARD:	ENTER Candidates name.	LINGAT
		UNSAT
	<u>TS:</u>	
	EPIP-08 Attachment 1 Step 2D	
<u>STEP 10:</u>	Enter the message number.	CRITICAL STEP
		SAT
STANDARD:	ENTER 1	
		UNSAT
	<u>TŞ:</u>	

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	EPIP-08 Attachment 1 Step 2E	
<u>STEP 11:</u>	Check where notification is being made from.	CRITICAL STEP
STANDARD:	<u>CHECK</u> Control Room	SAT
		UNSAT
COMMEN	<u>TS:</u>	
	EDID 09 Attachment 1 Stop 2D	
	EFIF-00 Allachment T Step 3B	
<u>STEP 12:</u>	Check the box for the facility from which the notification is being made	CRITICAL STEP
		SAT
STANDARD:	CHECK St. Lucie Unit 1	LINGAT
		0NSAT
COMMEN <sup>®</sup>	<u>TS:</u>	
	EPIP-08 Attachment 1 Step 4A	
<u>STEP 13:</u>	Check the box corresponding to current accident classification	CRITICAL STEP
	declared.	SAT
STANDARD:	CHECK Alert	
		UNSAT
	TS:	

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	EPIP-08 Attachment 1 Step 5A	
<u>STEP 14:</u>	Check the box for the appropriate plant site for the emergency declaration.	CRITICAL STEP
STANDARD:	CHECK Emergency Declaration.	UNSAT
COMMEN	ITS:	
	EPIP-08 Attachment 1 Step 5	
<u>STEP 15:</u>	Enter the <b>date</b> and <b>time</b> when the current emergency classification was declared	CRITICAL STEP
<u>STANDARD:</u>	ENTER Date and Time	UNSAT
EXAM	INER'S NOTE: Should be same time as Step 1 of JPM	
<u>COMMEN</u>	<u>TS:</u>	
	EPIP-08 Attachment 1 Step 6B	
<u>STEP 16:</u>	Reason for Emergency Declaration	CRITICAL STEP
STANDARD:	CHECK "B" Description	SAT
	<b>ENTER</b> Unplanned loss of most (greater than 75%) or all safety system annunicators and plant transient in progress.	UNSAT
<u>COMMEN</u>	<u>TS:</u>	

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|                 | EPIP-08 Attachment 1 Step 7A                                                             |               |
|-----------------|------------------------------------------------------------------------------------------|---------------|
| STEP 17:        | Additional Information or Update                                                         |               |
|                 |                                                                                          | SAT           |
| STANDARD:       | CHECK "A" None                                                                           |               |
|                 |                                                                                          | UNSAT         |
|                 | TS:                                                                                      |               |
|                 |                                                                                          |               |
|                 | EPIP-08 Attachment 1 Step 8                                                              |               |
| STEP 18:        | Weather Data.                                                                            | CRITICAL STEP |
|                 |                                                                                          | SAT           |
| STANDARD:       | A. Wind direction <u>90°</u> B. Downwind Sectors Affected <u>M</u> , <u>N</u> , <u>P</u> |               |
|                 |                                                                                          | UNSAT         |
|                 | <u>TS:</u>                                                                               |               |
|                 |                                                                                          |               |
|                 | FPIP-08 Attachment 1 Sten 94                                                             |               |
|                 |                                                                                          |               |
| <u>STEP 19:</u> | Release Status                                                                           | CRITICAL STEP |
| STANDADD.       |                                                                                          | SAT           |
| STANDARD:       | UTECK A NOTE (GO TO REM 11)                                                              | UNSAT         |
|                 |                                                                                          |               |
| COMMEN          | <u>15:</u>                                                                               |               |
|                 |                                                                                          |               |
| L               |                                                                                          |               |

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ST. LUCIE TRAINING DEPT. ADMINISTRATIVE JPM PAGE 10

|                     | EPIP-08 Attachment 1 Step 10                               |               |
|---------------------|------------------------------------------------------------|---------------|
| <u>STEP 20:</u>     | Release Significance Category                              |               |
|                     |                                                            | SAT           |
| <u>STANDARD:</u>    | Do Not Check Any Box in Item 10                            | UNSAT         |
|                     |                                                            |               |
| COMMEN              | <u>TS:</u>                                                 |               |
|                     |                                                            |               |
|                     | EPIP-08 Attachment 1 Step 11A                              |               |
| <u>STEP 21:</u>     | Determination of Protective Actions Recommendations (PARs) | CRITICAL STEP |
|                     |                                                            | SAT           |
| STANDARD:           | <u>CHECK</u> "A" No recommended Actions at this time       | LINISAT       |
|                     |                                                            |               |
| COMMEN              | <u>TS:</u>                                                 |               |
|                     |                                                            |               |
|                     | EPIP-08 Attachment 1 Step 11B                              |               |
| <u>STEP 22:</u>     | Utility Recommended Protective Actions                     | CRITICAL STEP |
|                     |                                                            | SAT           |
| STANDARD:           | Leave "B" blank                                            | UNSAT         |
|                     |                                                            |               |
| COMMEN <sup>®</sup> | <u>TS:</u>                                                 |               |
|                     |                                                            |               |
| L                   |                                                            |               |

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ST. LUCIE TRAINING DEPT. ADMINISTRATIVE JPM PAGE 11

|                 | EPIP-08 Attack         | oment 1 Step 11C                             |               |
|-----------------|------------------------|----------------------------------------------|---------------|
|                 |                        |                                              |               |
| STEP 23:        | Consideratio           | on Issuance of KI:                           | CRITICAL STEP |
|                 |                        |                                              |               |
|                 |                        |                                              | SAT           |
| STANDARD:       | <u>CHECK</u> NO        |                                              |               |
|                 |                        |                                              | LINSAT        |
|                 |                        |                                              |               |
| COMMEN          | TS <sup>.</sup> Pequir | es G.E. and Bologeo in Brogress to shack VEC |               |
|                 | <u>ro.</u> Requir      | es G.E. and Release in Frogless to check FES |               |
|                 |                        |                                              |               |
|                 | EPIP-08 Attach         | ument 1 Step 12                              |               |
|                 |                        | inent i Step 12                              |               |
| STEP 24:        | Plant Condit           | ions                                         |               |
|                 |                        |                                              |               |
|                 |                        |                                              | SAT           |
| STANDARD:       | Leave Blank            |                                              |               |
|                 |                        |                                              | LINCAT        |
|                 |                        |                                              | UNSAT         |
| COMMEN          | <u>IS:</u>             |                                              |               |
|                 |                        |                                              |               |
|                 |                        |                                              |               |
|                 |                        |                                              |               |
| STEP 25         | EC or RM Ar            | proval                                       |               |
| <u>01L1 20.</u> |                        | phovai                                       | CRITICAL STER |
|                 |                        |                                              | CRITICAL STEP |
| STANDARD        | Sign Data and          |                                              | SAT           |
| STANDARD.       | Sign, Date and         | Time on EC Approval Signature                |               |
|                 |                        |                                              |               |
|                 |                        |                                              | UNSAT         |
| EXAMI           | NER'S NOTE:            | RECORD THE TIME*                             |               |
|                 |                        | TASK IS COMPLETE, COLLECT THE STATE          |               |
|                 |                        | NOTIFICATION FORM.                           |               |
|                 |                        |                                              |               |
|                 |                        | CLASSIFICATION TIME.                         |               |
|                 |                        |                                              |               |
|                 |                        |                                              |               |
| COMMENTS:       |                        |                                              |               |
|                 |                        |                                              |               |
|                 |                        |                                              |               |
|                 |                        | END OF TASK                                  |               |
| L               |                        |                                              |               |

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## ATTACHMENT 1 ANSWER KEY FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

(Page 1 of 1)

| Эn-li             | ne Verification:                                                                                                                                                                                                                                                                                                                                       |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.                | A. 🛛 THIS IS A DRILL B. 🗌 THIS IS AN EMERGENCY                                                                                                                                                                                                                                                                                                         |
| <b>2</b> .        | A. Date: D / AT / E         B. Contact Time:         C. Reported by: (Name) Candidate           D. Message Number: 1         E. Reported from: ⊠ Control Room □ TSC □ EOF                                                                                                                                                                              |
| 3.                | Site:         A. □ Crystal River Unit 3         B. ⊠ St. Lucie Unit 1         C. □ St. Lucie Unit 2           D. □ Turkey Point Unit 3         E. □ Turkey Point Unit 4                                                                                                                                                                                |
| 4.                | Emergency Classification:       A.       Invitigication of Unusual Event       C.       Invitigication         B.       Alert       D.       Indexer General Emergency                                                                                                                                                                                 |
| 5.                | A. S Emergency Declaration: B. Emergency Termination: Date: D / AT / E Time: TIME                                                                                                                                                                                                                                                                      |
| 6.                | Reason for Emergency Declaration:* A. EAL Number OR B. I Description:<br>Unplanned loss of most (greater than 75%) or all safety system annunicators and Plant transient<br>in progress.                                                                                                                                                               |
| 7.                | Additional Information or Update: A. None OR B.                                                                                                                                                                                                                                                                                                        |
|                   |                                                                                                                                                                                                                                                                                                                                                        |
| 8.                | <u>Weather Data</u> : <b>A.</b> Wind direction from <u>90</u> degrees <b>B.</b> Downwind Sectors Affected: <u>M</u> , <u>N</u> , <u>P</u>                                                                                                                                                                                                              |
| 9.                | Release Status: A. 🛛 None (Go to Item 11) B. 🗌 Is occurring C. 🗌 Has occurred, but stopped                                                                                                                                                                                                                                                             |
| 10.               | Release Significance Category (at the Site Boundary):         A.       Information not available at this time.         B.       Release within normal operating limits (≤ 3.5 E-1 Ci/sec noble gas, ≤ 4.6 E-5 Ci/sec iodine)         C.       Non-Significant Fraction of PAG Range (release is > normal limits and < 500 mrem TEDE and 1000 mrem CDE) |
| ~                 | 11. <u>Utility Recommended Protective Actions</u> : <b>A.</b> ⊠ No recommended actions at this time.                                                                                                                                                                                                                                                   |
|                   | <ul> <li>B. ☐ The utility recommends the following protective actions:</li> <li>☐ <u>Miles</u> No Action Sectors <u>Evacuate Sectors</u> <u>Shelter Sectors</u></li> <li>0 - 2</li> <li>2 - 5</li> <li>5 - 10</li> <li>OR</li> <li>Shelter Zones / Areas:</li> <li>Evacuate Zones / Areas:</li> <li>C. Consider Issuance of KI: ☐ Yes ⊠ No</li> </ul>  |
|                   | B. □       The utility recommends the following protective actions:         □       Miles       No Action Sectors       Evacuate Sectors       Shelter Sectors         0-2                                                                                                                                                                             |
| 12.               | B.       ☐ The utility recommends the following protective actions:         ☐ Miles       No Action Sectors       Evacuate Sectors       Shelter Sectors         0 - 2                                                                                                                                                                                 |
| 12.<br>13.        | B.       The utility recommends the following protective actions:         □       Miles       No Action Sectors       Evacuate Sectors       Shelter Sectors         0 - 2                                                                                                                                                                             |
| 12.<br>13.<br>14. | B.       The utility recommends the following protective actions:         Miles       No Action Sectors       Evacuate Sectors       Shelter Sectors         0 - 2                                                                                                                                                                                     |
| 12.<br>13.<br>14. | B.       The utility recommends the following protective actions:         □       Miles       No Action Sectors       Evacuate Sectors       Shelter Sectors         0 - 2                                                                                                                                                                             |
| 12.<br>13.<br>14. | B.       The utility recommends the following protective actions:         Image: No Action Sectors       Evacuate Sectors       Shelter Sectors         0 - 2                                                                                                                                                                                          |
| 12.<br>13.<br>14. | B.       ☐ The utility recommends the following protective actions:         ☐       Miles       No Action Sectors       Evacuate Sectors       Shelter Sectors         0 - 2                                                                                                                                                                           |

EPIP-08, Off-Site Notifications and Protective Action Recommendations

#### CANDIDATE COPY (TO BE RETURNED TO THE EXAMINER UPON COMPLETION OF ANSWER)

#### **Initial Conditions**

Unit 1 is at 90% power performing a downpower to 45% due to electrical bus problems. The Reactor Operator has just reported that numerous annunicators are not working.

#### **Initiating Cue**

You are the Shift Manager. Unit 1 has just tested all annunicators and determined that the annunicators A, B, C, D, K, L, M, N, P, Q, R & S are not functioning. 10 Meter wind speed is 12 mph and direction is 90°. Complete the appropriate procedures as necessary. *This is a time-critical JPM.* 

| REVISION NO .:  | PROCEDURE TITLE:           | PAGE:  |
|-----------------|----------------------------|--------|
| 1B              | PARTIAL OR COMPLETE LOSS   | 2 of 6 |
| PROCEDURE NO.:  | OF ANNUNCIATORS            |        |
| 1-ONP-100.03    | ST. LUCIE UNIT 1           |        |
|                 | TABLE OF CONTENTS          | BAOE   |
| <u>SECTION</u>  |                            | PAGE   |
| 1.0 PURPOSE     |                            | 3      |
| 2.0 REFERENCES  | 5                          | 3      |
| 3.0 RECORDS RE  | QUIRED                     | 3      |
| 4.0 ENTRY COND  | DITIONS                    | 3      |
| 5.0 EXIT CONDIT | IONS                       | 3      |
| 6.0 OPERATOR A  | CTIONS                     | 4      |
| APPENDICES      |                            |        |
| APPENDIX A      | SAFETY SYSTEM ANNUNCIATORS | 5      |
| APPENDIX B      | POWER SUPPLIES             | 6      |

| PROCE<br>1-(<br>1.0 | 1B<br>DURE NO.:<br>DNP-100.03                                                                                                                                                                                                                                                                          | PARTIAL OR COMPLETE LOSS<br>OF ANNUNCIATORS                                                                                                                                                               | 3 of 6                     |  |  |  |  |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|--|--|
| PROCE<br>1-(<br>1.0 | DURE NO.:<br>DNP-100.03                                                                                                                                                                                                                                                                                | OF ANNUNCIATORS                                                                                                                                                                                           | 5010                       |  |  |  |  |
| 1-(<br>1.0          | ONP-100.03                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                           |                            |  |  |  |  |
| 1.0                 | PUPPOSE                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                           |                            |  |  |  |  |
|                     | PURPOSE                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                           |                            |  |  |  |  |
| 1.1                 | This procedure provides guidance for resolving conditions resulting from the loss of<br>Control Room annunciators. The actions listed are intended to be a guide in<br>responding to the loss of annunciators and are NOT intended to be a substitute for<br>good judgement based on plant conditions. |                                                                                                                                                                                                           |                            |  |  |  |  |
| 2.0                 | REFERENCES                                                                                                                                                                                                                                                                                             | ;                                                                                                                                                                                                         |                            |  |  |  |  |
|                     | One or more                                                                                                                                                                                                                                                                                            | NOTE<br>of the following symbols may be used in this procedure                                                                                                                                            | e:                         |  |  |  |  |
|                     | § Indicates a<br>Condition of<br>Renewal, e<br>review and                                                                                                                                                                                                                                              | Regulatory commitment made by Technical Specificat<br>f License, Audit, LER, Bulletin, Operating Experience,<br>tc. and shall NOT be revised without Facility Review G<br>Plant General Manager approval. | tions,<br>License<br>Group |  |  |  |  |
|                     | <ul> <li>¶ Indicates a<br/>or other no<br/>consultatio</li> <li>Ψ Indicates a</li> </ul>                                                                                                                                                                                                               | a management directive, vendor recommendation, plar<br>on-regulatory commitment that should NOT be revised<br>on with the plant staff.<br>a step that requires a sign off on an attachment.               | nt practice<br>without     |  |  |  |  |
| 2.1                 | UFSAR Sectior                                                                                                                                                                                                                                                                                          | n 7.5.1.6.3                                                                                                                                                                                               |                            |  |  |  |  |
| 2.2                 | §₁ EPIP-01, Cla                                                                                                                                                                                                                                                                                        | assification of Emergencies.                                                                                                                                                                              |                            |  |  |  |  |
| 2.3                 | CWD 8770-B-3                                                                                                                                                                                                                                                                                           | 27.                                                                                                                                                                                                       |                            |  |  |  |  |
| 2.4                 | Annunciator Re                                                                                                                                                                                                                                                                                         | sponse Procedures                                                                                                                                                                                         |                            |  |  |  |  |
| 3.0                 | RECORDS RE                                                                                                                                                                                                                                                                                             | QUIRED                                                                                                                                                                                                    |                            |  |  |  |  |
| 3.1                 | RCO Chronolog                                                                                                                                                                                                                                                                                          | gical log.                                                                                                                                                                                                |                            |  |  |  |  |
| 4.0                 | ENTRY CONDI                                                                                                                                                                                                                                                                                            | TIONS                                                                                                                                                                                                     |                            |  |  |  |  |
| 4.1                 | Plant paramete                                                                                                                                                                                                                                                                                         | rs exceed alarm setpoints without annunciation.                                                                                                                                                           |                            |  |  |  |  |
| 4.2                 | Annunciator ch                                                                                                                                                                                                                                                                                         | eck indicates a complete or partial loss of annunciatior                                                                                                                                                  | 1.                         |  |  |  |  |
| <b>5.0</b> (        |                                                                                                                                                                                                                                                                                                        | ONS                                                                                                                                                                                                       |                            |  |  |  |  |
| 5.1 /               | All annunciators have been returned to operation and are functioning properly.                                                                                                                                                                                                                         |                                                                                                                                                                                                           |                            |  |  |  |  |

| REVISION NO  |                                                  | PROCEDURE TITLE:                                                                         |               | PAGE:   |
|--------------|--------------------------------------------------|------------------------------------------------------------------------------------------|---------------|---------|
| 10           |                                                  | PARTIAL OR (                                                                             | COMPLETE LOSS |         |
|              | <u>.</u>                                         | OF ANN                                                                                   |               | 4 of 6  |
|              |                                                  |                                                                                          |               |         |
| 1-ONP-1      | 00.03                                            |                                                                                          |               |         |
| 6.0 OPEF     | RATOR A                                          | CTIONS                                                                                   |               |         |
|              | INST                                             | <b>TRUCTIONS</b>                                                                         | CONTINGENCY   | ACTIONS |
| 1. F<br>a    | RECORD                                           | ) the time that<br>tors were lost.                                                       |               |         |
| 2. 7<br>F    | TEST all<br>banels to<br>any malfu               | Control Room alarm<br>determine the extent of<br>unction.                                |               |         |
| <b>3</b> . { | §₁ IMPL                                          | EMENT Appendix A.                                                                        |               |         |
| <b>4</b> . F | PERFOR                                           | M the following:                                                                         |               |         |
| •            | INCRE<br>monito<br>indicat<br>affecte            | EASE the frequency of<br>pring RTGB <u>and</u> local<br>tions for plant equipment<br>ed. |               |         |
| •            | <ul> <li>Period<br/>reflash<br/>annun</li> </ul> | lically EXAMINE available<br>n panels on the affected<br>liciator panels.                |               |         |
| <b>5</b> . ( | CHECK t<br>supplies i<br>Appendix                | the annunciator power<br>in accordance with<br>c B.                                      |               |         |
| 6.           | CONTAC<br>and repai                              | CT I&C for trouble-shooting<br>ir.                                                       | 9             |         |
|              |                                                  |                                                                                          |               |         |
|              |                                                  |                                                                                          |               |         |
|              |                                                  |                                                                                          |               |         |
|              |                                                  |                                                                                          |               |         |
|              |                                                  |                                                                                          |               |         |
|              |                                                  | END OF S                                                                                 | ECTION 6.0    |         |

| EVISION NO.:                                                                                                                                                                                                                     | PROCEDURE TITLE:                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                    | PAGE:                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1B                                                                                                                                                                                                                               | PARTIAL                                                                                                                                                                                                                                                                                  | OR COMPLETE LOSS                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                         |
| ROCEDURE NO .:                                                                                                                                                                                                                   | OF                                                                                                                                                                                                                                                                                       | 5 of 6                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                         |
| 1-ONP-100.03                                                                                                                                                                                                                     | S                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                  | <u>_</u>                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                  | <u>3AFETT 313</u>                                                                                                                                                                                                                                                                        | Page 1 of 1)                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                  | (                                                                                                                                                                                                                                                                                        | age for ty                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                          | NOTE                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                         |
| The total bol                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                          | <u>NOTE</u><br>lata laga of an annunciatar                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                         |
| resulting in th                                                                                                                                                                                                                  | ne loss of all the safe                                                                                                                                                                                                                                                                  | ty system annunciators as                                                                                                                                                                                                          | panel(s)                                                                                                                                                                                                                                                                                |
| that panel.                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                          | sty system annunciators as                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                         |
| 1. DETERMIN                                                                                                                                                                                                                      | ie the affected annul                                                                                                                                                                                                                                                                    | nciator panels (A, B, C, LR                                                                                                                                                                                                        | l, etc.).                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                         |
| 2 From the te                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                         |
| 2. From the ta                                                                                                                                                                                                                   | ble below, DETERM                                                                                                                                                                                                                                                                        | IINE the percentage of Saf                                                                                                                                                                                                         | ety System                                                                                                                                                                                                                                                                              |
| <ol> <li>From the ta<br/>Annunciator</li> <li>If the percent</li> </ol>                                                                                                                                                          | ble below, DETERM<br>rs that are lost by ad<br>ntage of safety syste                                                                                                                                                                                                                     | IINE the percentage of Saf<br>ding the percent of total fo<br>em annunciators exceeds 5                                                                                                                                            | ety System<br>r each affected panel.<br>50%, <u>Then</u>                                                                                                                                                                                                                                |
| <ol> <li>From the ta<br/>Annunciator</li> <li>If the percent<br/>EVALUATE<br/>of Emergen</li> <li>PERCENT</li> </ol>                                                                                                             | ble below, DETERM<br>rs that are lost by ad<br>ntage of safety syste<br>and IMPLEMENT th<br>cies.                                                                                                                                                                                        | IINE the percentage of Safe<br>Iding the percent of total fo<br>em annunciators exceeds 5<br>he E-Plan as required in Ef                                                                                                           | ety System<br>r each affected panel.<br>50%, <u>Then</u><br>PIP-01, Classification<br><b>S PER PANEL</b>                                                                                                                                                                                |
| <ol> <li>From the ta<br/>Annunciator</li> <li>If the percent<br/>EVALUATE<br/>of Emergent</li> <li>PERCENT</li> </ol>                                                                                                            | ble below, DETERM<br>rs that are lost by ad<br>ntage of safety syste<br>and IMPLEMENT th<br>cies.                                                                                                                                                                                        | IINE the percentage of Safe<br>Iding the percent of total fo<br>em annunciators exceeds 5<br>he E-Plan as required in Ef<br>SYSTEM ANNUNICATOR                                                                                     | ety System<br>r each affected panel.<br>50%, <u>Then</u><br>PIP-01, Classification<br><b>S PER PANEL</b>                                                                                                                                                                                |
| <ol> <li>From the ta<br/>Annunciator</li> <li>If the percent<br/>EVALUATE<br/>of Emergen</li> <li>PERCENT</li> <li>PANEL</li> <li>A</li> </ol>                                                                                   | ble below, DETERM<br>rs that are lost by ad<br>ntage of safety syste<br>and IMPLEMENT th<br>cies.<br>AGE OF SAFETY S                                                                                                                                                                     | IINE the percentage of Safe<br>Iding the percent of total fo<br>em annunciators exceeds 5<br>he E-Plan as required in Ef<br>SYSTEM ANNUNICATOR:<br>PANEL<br>M                                                                      | ety System<br>r each affected panel.<br>50%, <u>Then</u><br>PIP-01, Classification<br><b>S PER PANEL</b><br><u>% OF TOTAL</u><br>6.3%                                                                                                                                                   |
| <ul> <li>2. From the ta Annunciator</li> <li>3. If the percent EVALUATE of Emergen</li> <li>PERCENT</li> <li>PANEL</li> <li>A</li> <li>B</li> </ul>                                                                              | ble below, DETERM<br>rs that are lost by ad<br>ntage of safety syste<br>and IMPLEMENT th<br>cies.<br>TAGE OF SAFETY S<br><u>% OF TOTAL</u><br>8.6%<br>8.6%                                                                                                                               | IINE the percentage of Safe<br>Iding the percent of total fo<br>em annunciators exceeds 5<br>he E-Plan as required in Ef<br>SYSTEM ANNUNICATOR:<br>PANEL<br>M<br>N                                                                 | ety System<br>r each affected panel.<br>50%, <u>Then</u><br>PIP-01, Classification<br>S PER PANEL<br><u>% OF TOTAL</u><br>6.3%<br>4.2%                                                                                                                                                  |
| <ul> <li>2. From the ta Annunciator</li> <li>3. If the percent EVALUATE of Emergen</li> <li>PERCENT</li> <li>PANEL</li> <li>A</li> <li>B</li> <li>C</li> </ul>                                                                   | ble below, DETERM<br>rs that are lost by ad<br>ntage of safety syste<br>and IMPLEMENT th<br>cies.<br>TAGE OF SAFETY S<br><u>% OF TOTAL</u><br>8.6%<br>8.6%<br>0.8%                                                                                                                       | IINE the percentage of Safe<br>ding the percent of total fo<br>em annunciators exceeds 5<br>he E-Plan as required in Ef<br>SYSTEM ANNUNICATORS<br>PANEL<br>M<br>N<br>P                                                             | ety System<br>r each affected panel.<br>50%, <u>Then</u><br>PIP-01, Classification<br><b>S PER PANEL</b><br><u>% OF TOTAL</u><br><u>6.3%</u><br><u>4.2%</u><br>6.7%                                                                                                                     |
| <ul> <li>2. From the ta Annunciator</li> <li>3. If the percent EVALUATE of Emergen</li> <li>PERCENT</li> <li>PANEL</li> <li>A</li> <li>B</li> <li>C</li> <li>D</li> </ul>                                                        | ble below, DETERM<br>rs that are lost by ad<br>ntage of safety syste<br>and IMPLEMENT th<br>cies.<br><b>FAGE OF SAFETY S</b><br><b>% OF TOTAL</b><br>8.6%<br>8.6%<br>0.8%<br>0.0%                                                                                                        | IINE the percentage of Safe<br>ding the percent of total fo<br>em annunciators exceeds 5<br>he E-Plan as required in Ef<br>SYSTEM ANNUNICATOR<br>PANEL<br>M<br>N<br>Q                                                              | ety System<br>r each affected panel.<br>50%, <u>Then</u><br>PIP-01, Classification<br><b>S PER PANEL</b><br><u>% OF TOTAL</u><br><u>6.3%</u><br><u>4.2%</u><br>6.7%<br>10.3%                                                                                                            |
| <ul> <li>2. From the ta Annunciator</li> <li>3. If the percent EVALUATE of Emergen</li> <li>PERCENT</li> <li>PANEL</li> <li>A</li> <li>B</li> <li>C</li> <li>D</li> <li>E</li> </ul>                                             | ble below, DETERM<br>rs that are lost by ad<br>ntage of safety syste<br>and IMPLEMENT th<br>cies.<br>TAGE OF SAFETY S<br>% OF TOTAL<br>8.6%<br>8.6%<br>0.8%<br>0.0%<br>2.3%                                                                                                              | IINE the percentage of Safe<br>Iding the percent of total fo<br>em annunciators exceeds 5<br>he E-Plan as required in Ef<br>SYSTEM ANNUNICATORS<br>PANEL<br>M<br>P<br>Q<br>R                                                       | ety System<br>r each affected panel.<br>50%, <u>Then</u><br>PIP-01, Classification<br>S PER PANEL<br><u>% OF TOTAL</u><br>6.3%<br>4.2%<br>6.7%<br>10.3%<br>10.9%                                                                                                                        |
| <ul> <li>2. From the ta Annunciator</li> <li>3. If the percent EVALUATE of Emergen</li> <li>PERCENT</li> <li>PANEL</li> <li>A</li> <li>B</li> <li>C</li> <li>D</li> <li>E</li> <li>F</li> </ul>                                  | ble below, DETERM<br>rs that are lost by ad<br>ntage of safety syste<br>and IMPLEMENT th<br>cies.<br>TAGE OF SAFETY S<br>% OF TOTAL<br>8.6%<br>0.8%<br>0.8%<br>0.0%<br>2.3%<br>2.7%                                                                                                      | IINE the percentage of Safe<br>Iding the percent of total fo<br>em annunciators exceeds 5<br>he E-Plan as required in Ef<br>SYSTEM ANNUNICATOR<br>SYSTEM ANNUNICATOR<br>PANEL<br>M<br>P<br>Q<br>R<br>S                             | ety System<br>r each affected panel.<br>50%, <u>Then</u><br>PIP-01, Classification<br><b>S PER PANEL</b><br><u>% OF TOTAL</u><br><u>6.3%</u><br><u>4.2%</u><br><u>6.7%</u><br><u>10.3%</u><br>10.9%<br><u>10.3%</u>                                                                     |
| <ul> <li>2. From the ta Annunciator</li> <li>3. If the percent EVALUATE of Emergen</li> <li>PERCENT</li> <li>PANEL</li> <li>A</li> <li>B</li> <li>C</li> <li>D</li> <li>E</li> <li>F</li> <li>G</li> </ul>                       | ble below, DETERM<br>rs that are lost by ad<br>ntage of safety syste<br>and IMPLEMENT th<br>cies.<br>TAGE OF SAFETY S<br>% OF TOTAL<br>8.6%<br>8.6%<br>0.8%<br>0.8%<br>0.0%<br>2.3%<br>2.7%<br>3.4%                                                                                      | IINE the percentage of Safe<br>ding the percent of total fo<br>em annunciators exceeds 5<br>he E-Plan as required in Ef<br>SYSTEM ANNUNICATOR<br>SYSTEM ANNUNICATOR<br>PANEL<br>M<br>P<br>Q<br>R<br>S<br>LR                        | ety System<br>r each affected panel.<br>50%, <u>Then</u><br>PIP-01, Classification<br>S PER PANEL<br><u>% OF TOTAL</u><br>6.3%<br>4.2%<br>6.7%<br>10.3%<br>10.9%<br>10.3%<br>0.8%                                                                                                       |
| <ul> <li>2. From the ta Annunciator</li> <li>3. If the percent EVALUATE of Emergen</li> <li>PERCENT</li> <li>PANEL</li> <li>A</li> <li>B</li> <li>C</li> <li>D</li> <li>E</li> <li>F</li> <li>G</li> <li>H</li> </ul>            | ble below, DETERM<br>rs that are lost by ad<br>ntage of safety syste<br>and IMPLEMENT th<br>cies.<br>TAGE OF SAFETY S<br>% OF TOTAL<br>8.6%<br>0.8%<br>0.0%<br>2.3%<br>2.7%<br>3.4%<br>5.5%                                                                                              | IINE the percentage of Safe<br>Iding the percent of total fo<br>em annunciators exceeds 5<br>he E-Plan as required in Ef<br>SYSTEM ANNUNICATOR:<br>PANEL<br>M<br>P<br>Q<br>R<br>S<br>LR<br>X                                       | ety System         r each affected panel.         50%, Then         PIP-01, Classification         S PER PANEL         % OF TOTAL         6.3%         4.2%         6.7%         10.3%         10.9%         10.3%         0.8%         2.3%                                            |
| <ul> <li>2. From the ta Annunciator</li> <li>3. If the percent EVALUATE of Emergen</li> <li>PERCENT</li> <li>PANEL</li> <li>A</li> <li>B</li> <li>C</li> <li>D</li> <li>E</li> <li>F</li> <li>G</li> <li>H</li> <li>J</li> </ul> | ble below, DETERM<br>rs that are lost by ad<br>ntage of safety syste<br>and IMPLEMENT th<br>cies.<br><b>FAGE OF SAFETY S</b><br><b>% OF TOTAL</b><br><b>8.6%</b><br><b>0.8%</b><br><b>0.8%</b><br><b>0.0%</b><br><b>2.3%</b><br><b>2.7%</b><br><b>3.4%</b><br><b>5.5%</b><br><b>1.3%</b> | IINE the percentage of Safe<br>Iding the percent of total fo<br>em annunciators exceeds 5<br>he E-Plan as required in Ef<br>SYSTEM ANNUNICATOR<br>SYSTEM ANNUNICATOR<br>PANEL<br>M<br>P<br>Q<br>R<br>S<br>LR<br>X<br>Y             | ety System<br>r each affected panel.<br>50%, <u>Then</u><br>PIP-01, Classification<br><b>S PER PANEL</b><br><u>% OF TOTAL</u><br><u>6.3%</u><br><u>4.2%</u><br><u>6.7%</u><br><u>10.3%</u><br><u>10.9%</u><br><u>10.3%</u><br><u>10.3%</u><br><u>0.8%</u><br><u>2.3%</u><br><u>3.1%</u> |
| 2. From the ta<br>Annunciator<br>3. If the percent<br>EVALUATE<br>of Emergen<br>PERCENT<br>PANEL<br>A<br>B<br>C<br>D<br>E<br>F<br>G<br>H<br>J<br>K                                                                               | ble below, DETERM<br>rs that are lost by ad<br>ntage of safety syste<br>and IMPLEMENT th<br>cies.<br>TAGE OF SAFETY S<br>% OF TOTAL<br>8.6%<br>8.6%<br>0.8%<br>0.0%<br>2.3%<br>2.7%<br>3.4%<br>5.5%<br>1.3%<br>4.8%                                                                      | IINE the percentage of Safe<br>Iding the percent of total fo<br>em annunciators exceeds 5<br>he E-Plan as required in Ef<br>SYSTEM ANNUNICATORS<br>SYSTEM ANNUNICATORS<br>PANEL<br>M<br>N<br>P<br>Q<br>R<br>S<br>LR<br>X<br>Y<br>Z | ety System<br>r each affected panel.<br>50%, <u>Then</u><br>PIP-01, Classification<br><b>S PER PANEL</b><br><u>% OF TOTAL</u><br><u>6.3%</u><br><u>4.2%</u><br><u>6.7%</u><br><u>10.3%</u><br><u>10.9%</u><br><u>10.3%</u><br><u>0.8%</u><br><u>2.3%</u><br><u>3.1%</u><br><u>0.8%</u>  |

END OF APPENDIX A

/R1

/R1A /R1

| VISION NO .:                                   | PRO                                                                          | CEDURE TITLE:                                                                                                                                                                               |                                           | PAGE:                                      |
|------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------|
| 1B                                             |                                                                              | PARTIAL OR COMPLETE LOS                                                                                                                                                                     | s                                         |                                            |
| OCEDURE NO.                                    | .:                                                                           | OF ANNUNCIATORS                                                                                                                                                                             |                                           | 6 of 6                                     |
| 1-ONP-10                                       | 0.03                                                                         | ST. LUCIE UNIT 1                                                                                                                                                                            |                                           |                                            |
|                                                |                                                                              | APPENDIX B<br><u>POWER SUPPLIES</u><br>(Page 1 of 1)                                                                                                                                        |                                           | <b>L</b>                                   |
| The na<br>conve<br>neces<br>1. VERIF<br>and re | eon light on<br>rter is opera<br>sary to rem<br>Y the follow<br>eset as requ | <u>NOTE</u><br>the back of RTGB alarm panels indica<br>ating. After power is removed from the<br>ove and replace the fuse to restart the<br>ving power supplies to the affected Co<br>ired. | ates the<br>panel,<br>convert<br>ntrol Ro | DC<br>it may be<br>ter.<br>om annunciators |
| PTCP                                           |                                                                              |                                                                                                                                                                                             |                                           |                                            |
| 101                                            | A R C D                                                                      |                                                                                                                                                                                             | CKTE                                      | GROUND DET.                                |
| 102                                            | <u>, , , , , , , , , , , , , , , , , , , </u>                                | RTGB 101 KKK F-3 F-11 1AB DC                                                                                                                                                                | CKTE                                      |                                            |
| 102                                            | <u> </u>                                                                     | RTGB 101 KKK F-5, F-11 TAB DC                                                                                                                                                               | CKT 2                                     |                                            |
| 104                                            | <u> </u>                                                                     | RTGB 101 KKK E-6 E-14 1AB DC                                                                                                                                                                | CKT 3                                     |                                            |
| 105                                            | <u>N, E</u>                                                                  | RTGB 101 KKK F-8 F-16 1AB DC                                                                                                                                                                | CKT 3                                     |                                            |
| 106                                            | PORS                                                                         | BTGB 101 KKK F-7 F-15 1AB DC                                                                                                                                                                | CKT 3                                     |                                            |
| seismi                                         | E monitoring                                                                 | <u>30 101 KKK F-7, F-15 IAB DC CKI. 3</u>                                                                                                                                                   |                                           |                                            |
| UNAC                                           |                                                                              |                                                                                                                                                                                             | IBDC                                      | , UKT 25                                   |
| CRAC                                           | Panel Z                                                                      | Fuses 11F10, 11F12                                                                                                                                                                          | 1B DC                                     | CKT 25                                     |
| Rad. N                                         | lonitor                                                                      | F-10 in Rad. Mon. Cabinet                                                                                                                                                                   | DC PF                                     | 9 119 CKT 1                                |
| 2. TEST :                                      | all the Contr                                                                | rol Room annunciator panels from the                                                                                                                                                        | Control                                   | Room test panels.                          |
| 3. TEST a                                      | all the reflas                                                               | h modules feeding annunciators on th                                                                                                                                                        | e affecte                                 | ed panels.                                 |
|                                                | 1&(                                                                          | <u>NOTE</u><br>C Department assistance may be requ                                                                                                                                          | ired.                                     |                                            |
| 4. SELEC genera                                | T an annun<br>iting the anr                                                  | iciator on each affected panel <u>and</u> fund<br>iunciator from the field.                                                                                                                 | ctionally                                 | CHECK by                                   |
| 5. CONT/                                       | ACT I&C De                                                                   | partment to investigate and troublesho                                                                                                                                                      | pot the p                                 | problem.                                   |
|                                                |                                                                              | END OF APPENDIX B                                                                                                                                                                           |                                           |                                            |



# **ST. LUCIE PLANT**

EMERGENCY PLAN IMPLEMENTING PROCEDURE Procedure No.

EPIP-01

Current Revision No.

8

Effective Date 10/29/04

Title:

## **CLASSIFICATION OF EMERGENCIES**

SAFETY RELATED

Responsible Department: EMERGENCY PLANNING

#### **REVISION SUMMARY:**

**Revision 8** – Incorporated PCR 04-3018 to revise classification table to incorporate changes resulting from the New Safeguards Contingency Plan. (J. R. Walker, 10/27/04)

**Revision 7** – Incorporated PCR #04-2011 to incorporate instructions from NRC Safe Guards Advisory for Operating Power Reactors, SA-04-07. (J. R. Walker, 06/28/04)

**Revision 6** – Incorporated PCR #03-0403 to delete wording regarding technical specification limits and correctly place symbols. (J. R. Walker, 02/21/03)

**Revision 5** – Clarified EALs under alert. (J. R. Walker, 07/25/02)

**Revision 4** - Revised IAW revision to E-Plan (R40). Revised initiating condition for RCS leakage. Added EALs under security threat initiating condition. Added definitions for EAL and IC. Added guidance for multiple and dual unit events. Made editorial and administrative changes. (J.R. Walker, 05/23/02)

**Revision 3** - Added PMAI references, added definitions for OCA, PA and power block, clarified classification guidance and made editorial/administrative changes. (J. R. Walker, 02/09/01)

**Revision 2** - Clarified initiating conditions and emergency action levels to correspond to changes in the PSL emergency plan in accordance with PMAI PM99-09-154, defined classification table and made editorial changes. (J. R. Walker, 10/13/00)

| Revision<br>0 | FRG Review Date<br>12/15/97 | Approved By<br>J. Scarola<br>Plant General Manager | Approval Date<br>12/15/97 | DATE       | OPS            |
|---------------|-----------------------------|----------------------------------------------------|---------------------------|------------|----------------|
| Revision<br>8 | FRG Review Date<br>10/27/04 | Approved By<br>G. L. Johnston                      | Approval Date<br>10/27/04 | DOCN       | EPIP-01        |
|               |                             | Plant General Manager<br>N/A                       |                           | COM<br>ITM | COMPLETED<br>8 |
|               |                             | Designated Approver<br>N/A                         |                           |            |                |
|               | <u> </u>                    | Designated Approver<br>(Minor Correction)          |                           |            |                |

| REVIS |             |                                           | PAGE:   |
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| PROC  |             | CLASSIFICATION OF EMERGENCIES             | 2 of 32 |
| 1100  | EPIP-01     | ST. LUCIE PLANT                           |         |
|       | SECTION     | TABLE OF CONTENTS                         | PAGE    |
| 1.0   | PURPOSE     |                                           | 3       |
| 2.0   | REFERENCE   | ES / RECORDS REQUIRED / COMMITMENT DOCUMI | ENTS3   |
| 3.0   | RESPONSIB   | ILITIES                                   | 4       |
| 4.0   | DEFINITION  | S                                         | 5       |
| 5.0   | INSTRUCTIO  | DNS                                       | 9       |
|       | ATTACHME    | NTS                                       |         |
| ΑΤΤ   | ACHMENT 1 E | MERGENCY CLASSIFICATION TABLE             |         |

| REVISI |                                                                                                                       |                                                                                                                                                                                                                | PAGE                       |  |  |  |  |
|--------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|--|--|--|
|        | 8                                                                                                                     | CLASSIFICATION OF EMERGENCIES                                                                                                                                                                                  | TAGE.                      |  |  |  |  |
| PROCE  | DURE NO.:                                                                                                             |                                                                                                                                                                                                                | 3 of 32                    |  |  |  |  |
|        | EPIP-01                                                                                                               | ST. LUCIE PLANT                                                                                                                                                                                                |                            |  |  |  |  |
| 1.0    | PURPOSE                                                                                                               |                                                                                                                                                                                                                |                            |  |  |  |  |
|        | This procedure provides instructions on the classification of emergencies at St.<br>Lucie Plant.                      |                                                                                                                                                                                                                |                            |  |  |  |  |
|        | Emergency classifications in order of increasing seriousness are:                                                     |                                                                                                                                                                                                                |                            |  |  |  |  |
|        | Unusual Event                                                                                                         |                                                                                                                                                                                                                |                            |  |  |  |  |
|        | • Alert                                                                                                               |                                                                                                                                                                                                                |                            |  |  |  |  |
|        | • Site Ar                                                                                                             | Site Area Emergency                                                                                                                                                                                            |                            |  |  |  |  |
|        | • Genera                                                                                                              | al Emergency                                                                                                                                                                                                   |                            |  |  |  |  |
|        | Specific criteria are provided to assure proper escalation and de-escalation between emergency classification levels. |                                                                                                                                                                                                                |                            |  |  |  |  |
| 2.0    | REFERENCES / RECORDS REQUIRED / COMMITMENT DOCUMENTS                                                                  |                                                                                                                                                                                                                |                            |  |  |  |  |
|        | NOTE<br>One or more of the following symbols may be used in this procedure:                                           |                                                                                                                                                                                                                |                            |  |  |  |  |
|        | § Indicates a<br>Condition<br>Renewal,<br>review and                                                                  | a Regulatory commitment made by Technical Specifica<br>of License, Audit, LER, Bulletin, Operating Experience,<br>etc. and shall NOT be revised without Facility Review O<br>d Plant General Manager approval. | tions,<br>License<br>Group |  |  |  |  |
|        | t practice<br>without                                                                                                 |                                                                                                                                                                                                                |                            |  |  |  |  |
|        | $\Psi$ Indicates a step that requires a sign off on an attachment.                                                    |                                                                                                                                                                                                                |                            |  |  |  |  |
| 2.1    | References                                                                                                            |                                                                                                                                                                                                                |                            |  |  |  |  |
|        | 1. St. Lucie Plant Radiological Emergency Plan (E-Plan)                                                               |                                                                                                                                                                                                                |                            |  |  |  |  |
|        | 2. E-Plan Implementing Procedures (EPIP 00-13)                                                                        |                                                                                                                                                                                                                |                            |  |  |  |  |
|        | 3. C-200, Offsite Dose Calculation Manual (ODCM)                                                                      |                                                                                                                                                                                                                |                            |  |  |  |  |
|        | 4. AP 0010502, Oil and Hazardous Material Emergency Response Plan                                                     |                                                                                                                                                                                                                |                            |  |  |  |  |
|        | 5. ¶1 N                                                                                                               | UREG-1022, Section 3.1.1                                                                                                                                                                                       |                            |  |  |  |  |
|        |                                                                                                                       |                                                                                                                                                                                                                |                            |  |  |  |  |

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|                        | 8                                                                                                                                                |                                                                                                                                                                       | CLASSIFICATION OF EMERGENCIES                                                                                                                        | THOE!                                                                                                                            |  |  |  |
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| 2.1                    | Refe                                                                                                                                             | erence                                                                                                                                                                | es (continued)                                                                                                                                       |                                                                                                                                  |  |  |  |
|                        |                                                                                                                                                  |                                                                                                                                                                       |                                                                                                                                                      |                                                                                                                                  |  |  |  |
|                        | 6.                                                                                                                                               | ¶2                                                                                                                                                                    | NRC IEN No. 85-80, Timely Declaration of an Emergency Class,<br>mplementation of an Emergency Plan, and Emergency Notifications,<br>October 15, 1985 |                                                                                                                                  |  |  |  |
| -                      | 7.                                                                                                                                               | ¶з                                                                                                                                                                    | NRC EPPOS No. 2, Emergency Preparedness Position<br>Timeliness of Classification of Emergency Conditions, Au                                         | IRC EPPOS No. 2, Emergency Preparedness Position (EPPOS) on<br>imeliness of Classification of Emergency Conditions, August, 1995 |  |  |  |
|                        | 8.                                                                                                                                               | ¶4                                                                                                                                                                    | PMAI PM98-01-017, Loss of Seismic Monitoring Capabil                                                                                                 | ity                                                                                                                              |  |  |  |
| 2.2                    | Records Required                                                                                                                                 |                                                                                                                                                                       |                                                                                                                                                      |                                                                                                                                  |  |  |  |
|                        | The<br>eme                                                                                                                                       | The basis for classifying an emergency condition shall be recorded in appropriate emergency logs.                                                                     |                                                                                                                                                      |                                                                                                                                  |  |  |  |
| 2.3                    | Commitment Documents                                                                                                                             |                                                                                                                                                                       |                                                                                                                                                      |                                                                                                                                  |  |  |  |
|                        | •                                                                                                                                                | <b>§</b> 1                                                                                                                                                            | CR 00-0614 (RCS leakage during shutdown cooling)                                                                                                     |                                                                                                                                  |  |  |  |
|                        | •                                                                                                                                                | <b>§</b> 2                                                                                                                                                            | MAI PM99-09-154 (IC and EAL changes submitted under FPL letter98-2000)                                                                               |                                                                                                                                  |  |  |  |
|                        | •                                                                                                                                                | ¶₅                                                                                                                                                                    | NRC Safeguards Advisory for Operating Power Reactors                                                                                                 | , SA-04-07                                                                                                                       |  |  |  |
| 3.0                    | RES                                                                                                                                              | ESPONSIBILITIES                                                                                                                                                       |                                                                                                                                                      |                                                                                                                                  |  |  |  |
| 3.1 Shift Manager (SM) |                                                                                                                                                  | iger (SM)                                                                                                                                                             |                                                                                                                                                      |                                                                                                                                  |  |  |  |
|                        | 1.                                                                                                                                               | <ol> <li>The Shift Manager is responsible to promptly classify abnormal situations<br/>into one of the four defined categories.</li> </ol>                            |                                                                                                                                                      |                                                                                                                                  |  |  |  |
|                        | 2.                                                                                                                                               | 2. If an emergency has been declared, the Shift Manager is responsible for assuming the position of Emergency Coordinator and retaining this position until relieved. |                                                                                                                                                      |                                                                                                                                  |  |  |  |
| 3.2                    | Emergency Coordinator (EC)                                                                                                                       |                                                                                                                                                                       |                                                                                                                                                      |                                                                                                                                  |  |  |  |
|                        | The Emergency Coordinator is responsible to continually evaluate changes in plant conditions against the classification table in this procedure. |                                                                                                                                                                       |                                                                                                                                                      |                                                                                                                                  |  |  |  |
|                        |                                                                                                                                                  |                                                                                                                                                                       |                                                                                                                                                      |                                                                                                                                  |  |  |  |
|                        |                                                                                                                                                  |                                                                                                                                                                       |                                                                                                                                                      |                                                                                                                                  |  |  |  |

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#### 4.0 DEFINITIONS

#### **4.1** Emergency Action Level (EAL)

1. A pre-determined, site-specific, observable threshold for a plant Initiating Condition that places the plant in a given emergency class. An EAL can be: an instrument reading; an equipment status indicator; a measurable parameter (on-site or off-site); a discrete, observable event; results of analyses; entry into specific emergency operating procedures; or another phenomenon which, if it occurs, indicates entry into a particular emergency class.

#### 4.2 Emergency Classes

1. Unusual Event

This classification is represented by off-normal events or conditions at the plant for which no significant degradation of the level of safety of the plant has occurred or is expected. Any releases of radioactive material which may have occurred or which may be expected are minor and constitute no appreciable health hazard.

2. Alert

This classification is represented by events which involve an actual or potential substantial degradation of the level of safety of the plant combined with a potential for limited uncontrolled releases of radioactivity from the plant.

3. Site Area Emergency

This classification is composed of events which involve actual or likely major failures of plant functions needed for protection of the public combined with a potential for significant uncontrolled releases of radioactivity from the plant.

4. General Emergency

This classification is composed of events which involve actual or imminent substantial core degradation and potential loss of containment integrity combined with a likelihood of significant uncontrolled releases of radioactivity from the plant.

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| 4.3   | Classification Table                                                                                                                                                                                                                                                   |              |                                                      |         |  |  |  |
|       | A composite of Initiating Conditions (ICs) and their Emergency Action Levels (EALs) used to evaluate off normal/emergency conditions resulting in declaration of one of the four Emergency Classes, as appropriate. The Table is arranged in the following categories: |              |                                                      |         |  |  |  |
|       | 1.                                                                                                                                                                                                                                                                     | Ever         | ts Affecting Primary Pressure                        |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        | Α.           | Abnormal Primary Leak Rate                           |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        | В.           | Abnormal Primary/Secondary Leak Rate                 |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        | C.           | Loss of Secondary Coolant                            |         |  |  |  |
|       | 2.                                                                                                                                                                                                                                                                     | Abno         | ormal Radiation, Contamination and Effluent Releases |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        | Α.           | Uncontrolled Effluent Release                        |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        | В.           | High Radiation Levels in Plant                       |         |  |  |  |
|       | 3.                                                                                                                                                                                                                                                                     | Fires        | es, Explosions                                       |         |  |  |  |
|       | 4.                                                                                                                                                                                                                                                                     | Accid        | ent Involving Fuel                                   |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        | Α.           | Fuel Element Failure                                 |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        | В.           | Fuel Handling                                        |         |  |  |  |
|       | 5.                                                                                                                                                                                                                                                                     | Natur        | al Emergencies                                       |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        | Α.           | Earthquake                                           |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        | В.           | Hurricane                                            |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        | C.           | Tornado                                              |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        | D.           | Abnormal Water Level                                 |         |  |  |  |
|       | 6.                                                                                                                                                                                                                                                                     | Misce        | Miscellaneous Events                                 |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        | Α.           | Increased Awareness or Potential Core Melt           |         |  |  |  |
|       | 7.                                                                                                                                                                                                                                                                     | Electri      | ical Malfunctions                                    |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        | Α.           | Loss of Power                                        |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        |              |                                                      |         |  |  |  |
|       |                                                                                                                                                                                                                                                                        |              |                                                      |         |  |  |  |

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| 4.3                                                                                                                                                                                     | Class                                                                                                                                                                                                                                                                   | sification                                                                                                                                                                                           | Table (continued)                          |         |  |  |
|                                                                                                                                                                                         | 8.                                                                                                                                                                                                                                                                      | Degra                                                                                                                                                                                                | dation of Control Capabilities             |         |  |  |
|                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | Α.                                                                                                                                                                                                   | Loss of Plant Control Functions            |         |  |  |
|                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | В.                                                                                                                                                                                                   | Loss of Alarms, Communications, Monitoring |         |  |  |
|                                                                                                                                                                                         | 9.                                                                                                                                                                                                                                                                      | Hazaro                                                                                                                                                                                               | ds to Station Operation                    |         |  |  |
|                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | Α.                                                                                                                                                                                                   | Aircraft, Missile                          |         |  |  |
|                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | В.                                                                                                                                                                                                   | Turbine Failure                            |         |  |  |
|                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | C.                                                                                                                                                                                                   | Toxic or Flammable Gas                     |         |  |  |
|                                                                                                                                                                                         | 10.                                                                                                                                                                                                                                                                     | Securi                                                                                                                                                                                               | ty Threat                                  |         |  |  |
| 4.4                                                                                                                                                                                     | Initiat                                                                                                                                                                                                                                                                 | ting Con                                                                                                                                                                                             | dition (IC)                                |         |  |  |
| <ol> <li>One of a predetermined subset of nuclear power plant conditions<br/>either the potential exists for a radiological emergency, or such a<br/>emergency has occurred.</li> </ol> |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                      | ons where<br>h an                          |         |  |  |
| 4.5                                                                                                                                                                                     | Plant                                                                                                                                                                                                                                                                   | t - The S                                                                                                                                                                                            | t. Lucie Plant, Unit 1 and Unit 2          |         |  |  |
| <b>4.6</b> Site - A general term referring to the location of the St. Lucie Nuclear F Other terms related to the site are given below:                                                  |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                      | r Power Plant.                             |         |  |  |
|                                                                                                                                                                                         | 1.                                                                                                                                                                                                                                                                      | <b>Owner Controlled Area</b> - That portion of FPL property surrounding and including the St. Lucie Nuclear Power Plant which is subject to limited access and control as deemed appropriate by FPL. |                                            |         |  |  |
|                                                                                                                                                                                         | 2. <b>Protected Area</b> - The area (within the Owner Controlled Area) occupied be the nuclear units and associated equipment and facilities enclosed with the security perimeter fence. The area within which accountability of personn is maintained in an emergency. |                                                                                                                                                                                                      |                                            |         |  |  |
|                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                      |                                            |         |  |  |
|                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                      |                                            |         |  |  |
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| 4.6             | Site (c  | ontinue              | ed)                                                                                                                                                                                                                                              |                                                   |  |
|                 | 3.       | §₂ P<br>b<br>e<br>sa | <b>Power Block</b> - Structures, systems or components in the<br>elow that support the production of power. This includes<br>quipment needed for the direct generation of power or n<br>afe operation and/or shutdown of one or both of the read | e areas listed<br>s any<br>ecessary for<br>ctors. |  |
|                 |          | Α.                   | Reactor Containment and Shield Buildings                                                                                                                                                                                                         |                                                   |  |
|                 |          | В.                   | Reactor Auxiliary Buildings including the following areas:                                                                                                                                                                                       |                                                   |  |
|                 |          |                      | 1. Refueling Water Tank (RWT)                                                                                                                                                                                                                    |                                                   |  |
|                 |          |                      | 2. Component Cooling Water (CCW) platform area                                                                                                                                                                                                   |                                                   |  |
|                 |          |                      | 3. Diesel Generator Buildings and Fuel Oil Storage                                                                                                                                                                                               | Tanks                                             |  |
|                 |          |                      | 4. Fuel Handling Building                                                                                                                                                                                                                        |                                                   |  |
|                 |          | :                    | 5. Primary Water Tank and Pumps                                                                                                                                                                                                                  |                                                   |  |
|                 | (        | C.                   | Intake Area                                                                                                                                                                                                                                      |                                                   |  |
|                 | [        | D. 1                 | Discharge Canal & Headwall                                                                                                                                                                                                                       |                                                   |  |
|                 | E        | Ξ. (                 | Ultimate Heat Sink Structure                                                                                                                                                                                                                     |                                                   |  |
|                 | F        | F. F<br>S<br>a<br>f  | Fire Protection System including the fire pumps and the Storage Tanks (CWST), but not including parts of the sy<br>associated with the North or South Service Buildings or a                                                                     | City Water<br>stem<br>other outlying              |  |
|                 | G        | G. 1                 | Furbine Buildings (all levels)                                                                                                                                                                                                                   |                                                   |  |
|                 | H        | I. C                 | Condensate Storage Tanks (CST)                                                                                                                                                                                                                   |                                                   |  |
|                 | I.       | N                    | Main, Auxiliary and Startup Transformers                                                                                                                                                                                                         |                                                   |  |
|                 | J        | . s                  | Steam Trestles                                                                                                                                                                                                                                   |                                                   |  |
|                 | ĸ        | К. Т                 | urbine Lube Oil Storage Tanks                                                                                                                                                                                                                    |                                                   |  |
|                 | L        | . G                  | Sas House                                                                                                                                                                                                                                        |                                                   |  |
|                 |          |                      |                                                                                                                                                                                                                                                  |                                                   |  |
|                 |          |                      |                                                                                                                                                                                                                                                  |                                                   |  |
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| 5.0                 | 0 INSTRUCTIONS                                                           |                                                                                                                                                                                                                            |                               |         |  |  |
| 5.1                 | Direct Initial Investigative and Mitigating Actions to Address the Event |                                                                                                                                                                                                                            |                               |         |  |  |
|                     | 1.                                                                       | <u>If</u> the event involves entry into the Off-Normal Operating Procedures (ONOPs) or Emergency Operating Procedures (EOPs), <u>Then</u> perform steps per ONOPs or EOPs until appropriate or directed to classify event. |                               |         |  |  |
|                     | 2.                                                                       | <u>If</u> the event involves a release of hazardous materials to the environment, <u>Then</u> respond per AP 0010502, Oil and Hazardous Material Emergency Response Plan.                                                  |                               |         |  |  |
|                     | 3.                                                                       | If the event involves a release of radioactive material to the environment,<br><u>Then</u> direct Chemistry personnel to implement EPIP-09, Off-site Dose<br>Calculations.                                                 |                               |         |  |  |
|                     |                                                                          |                                                                                                                                                                                                                            | END OF SECTION 5.1            |         |  |  |
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|        |                  |                                                                   | ••••••••••••••••••••••••••••••••••••••                                                                                                                                                                                                                                                                                                       |                                                                  |
|        |                  |                                                                   | NOTE                                                                                                                                                                                                                                                                                                                                         |                                                                  |
|        | Initiat<br>unles | ing Con<br>s other                                                | ditions / Emergency Action Levels are applicable to <u>all</u><br>wise indicated.                                                                                                                                                                                                                                                            | modes                                                            |
| 5.2    | Class            | ifying th                                                         | e Event                                                                                                                                                                                                                                                                                                                                      |                                                                  |
|        | 1.               | ¶₃ A<br>c<br>(t<br>C                                              | goal of fifteen (15) minutes should be used for assessi<br>lassifying an emergency once indications (Emergency A<br>EALs)) are available to Control Room Operators that an<br>condition (IC) has been met and/or exceeded.                                                                                                                   | ng and<br>Action Levels<br>Initiating                            |
|        |                  | Α.                                                                | This goal should allow time for determination of indicat etc.) and detailed review of Attachment 1, Emergency Table.                                                                                                                                                                                                                         | ions (leak rate,<br>Classification                               |
|        | 2.               | Use th<br>Classif<br>resolut<br>emerg                             | e best information available when working through the<br>fication Table. When confronted with conflicting informa<br>tion is not apparent, classify the condition at the highest<br>ency class.                                                                                                                                              | Emergency<br>ation for which<br>t appropriate                    |
|        | 3.               | <u>If</u> , in th<br>(EC), a<br>other p<br>serious                | ie judgement of the Shift Manager (SM) /Emergency Co<br>a situation is more serious than indicated by instrument<br>parameters, <u>Then</u> classify the emergency condition at th<br>s level (i.e., at the highest appropriate emergency class                                                                                              | oordinator<br>readings or<br>ne more<br>).                       |
|        | 4.               | ¶5                                                                | Security Event                                                                                                                                                                                                                                                                                                                               |                                                                  |
|        |                  | If the C<br>or NOF<br><u>Then</u> p<br>Instruc<br>Recom<br>Depart | Control Room is contacted by any of the following: Secu<br>RAD that a terrorist attack on the plant site is imminent of<br>perform the actions in the applicable Appendix to Securi<br>tion (SFI) #4, Appendix C, Unit 1 Operations Departme<br>mended Defensive Strategy or Appendix D, Unit 2 Oper<br>ment Recommended Defensive Strategy. | rity, NRC, FBI<br>or is occurring,<br>ty Force<br>nt<br>erations |
|        | 5.               | Multiple                                                          | e and Dual Unit Events                                                                                                                                                                                                                                                                                                                       |                                                                  |
|        | There<br>St. Lu  | can no<br>cie Plar                                                | CAUTION<br>t be two concurrent declared emergency classes under<br>nt Radiological Emergency Plan.                                                                                                                                                                                                                                           | the                                                              |
|        |                  | Α.                                                                | If one Unit is in a classified event and the same or the c<br>enters into an event where the same or lesser Emerger<br>would apply, <u>Then</u> a new classification should NOT be<br>event should be documented on a SNF as "Additional In<br>Update" and issued as soon as practicable.                                                    | other Unit<br>ncy Class<br>declared. The<br>nformation or        |

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## **5.2** Classifying the Event (continued)

- **5.** (continued)
  - **B.** <u>If one Unit is in a classified event and the other Unit enters into a</u> more severe event in which a higher Emergency Class would apply, <u>Then</u> the new classification shall be declared and promptly, within the regulatory time limits, issued to the State, Counties and the NRC.
- - A. Classify the event in accordance with Attachment 1.
  - B. Termination of the event
    - 1. An event classified as an Unusual Event or Alert may be terminated at the time of declaration by the EC.
    - 2. An event classified as a Site Area Emergency or General Emergency may only be downgraded and/or terminated by the Recovery Manager (RM).

### END OF SECTION 5.2

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- **5.3**  $\S_1 \P_1$  Classification of An Event Based On Subsequent Information
  - 1. <u>If</u> subsequent information of a more detailed nature (e.g., sampling results) becomes available after the initial classification has been made, <u>Then</u> reclassify as appropriate.
  - 2. <u>If</u> results of a protracted review (i.e., Engineering Evaluation, CR disposition, etc.) of an event indicate that conditions were met for an Emergency Classification, and the condition has completely cleared prior to recognition of possible classification, <u>Then</u> notify NRC within one hour of discovery of the undeclared event.
    - A. Contact Emergency Preparedness for briefing of state and local agencies.

## **END OF SECTION 5.3**



| REVISION NO .:                                                    | PROCEDURE TITLE:                                                                                                   | Inter                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8<br>PROCEDURE NO.:                                               | CLASSIFICATION OF EMERGENCIES                                                                                      | 14 of 32                                                                                                                                                                                                                                                                                                                                                                                             |
| EPIP-01                                                           | ST. LUCIE PLANT                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                      |
| EVENT/CLASS                                                       | ATTACHMENT 1<br><u>EMERGENCY CLASSIFICATION TABLE</u><br>(Page 2 of 20)<br>UNUSUAL EVENT ALERT SITE AREA EMERGENCY | GENERAL EMERGENCY                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.A. <u>ABNORMAL PRIMARY</u><br><u>LEAK RATE</u><br>(Page 2 of 2) | Loss<br>barrie<br>third (<br>and th<br>27<br>2. LC<br>un<br>3. Co<br>Als<br>Ev                                     | of 2 of the 3 fission product<br>rs with imminent loss of the<br>any two of the following <u>exist</u><br>he third is imminent).<br>el element failure (confirmed<br>Q I-131 activity greater than<br>5 µCi/mL).<br><u>AND</u><br>OCA or Tube rupture on<br>isolable steam generator.<br><u>AND</u><br>intainment Integrity Breached.<br>NOTE<br>so refer to Potential Core Melt<br>ent / Class 6.A. |
| 1.A. <u>ABNORMAL PRIMARY</u><br>LEAK RATE                         |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                      |
| AFTER CLASSIFYING,                                                | GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR                                            |                                                                                                                                                                                                                                                                                                                                                                                                      |

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| EVISION NO .:                                                                                                     | PROCEDURE TITLE:                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                       | ······································                                                                                                                                                                                                                                                                                                                                                           | PAGE:                                                                                                                                                                                                                                                                                                                                                                                                            |
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| 8<br>ROCEDURE NO.:                                                                                                | 4                                                                                                                                                                            | CLASSIFICATION OF EMER                                                                                                                                                                                                                                                                                                                                                                | RGENCIES                                                                                                                                                                                                                                                                                                                                                                                         | 15 of 32                                                                                                                                                                                                                                                                                                                                                                                                         |
| EPIP-01                                                                                                           |                                                                                                                                                                              | ST. LUCIE PLANT                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| EVENT/CLASS<br>1.B. <u>ABNORMAL</u><br><u>PRIMARY TO</u><br><u>SECONDARY LEAK</u><br><u>RATE</u><br>(Page 1 of 2) | LINUSUAL EVENT<br>ACS PRI/SEC Leakage<br>1. Measured RCS to secondary<br>leakage exceeds Tech. Spec.<br>limits.<br><u>AND</u><br>2. Secondary plant activity is<br>detected. | ATTACHMENT 1<br>(Page 3 of 20)<br>Call and the steam<br>generator tube (WITHIN charging<br>pump capacity) with loss of offsite<br>power<br>1. Measured RCS to secondary<br>leakage greater than Tech. Spec.<br>Limits and within charging pump<br>capacity.<br><u>AND</u><br>2. Secondary plant activity is<br>detected.<br><u>AND</u><br>3. Loss of both Non-Vital 4.16 KV<br>buses. | SITE AREA EMERGENCY         Rapid gross failure of steam         generator tubes (GREATER THAN         charging pump capacity) with a loss         of offsite power         1. Measured RCS to secondary         leakage is greater than charging         pump capacity. <u>AND</u> 2. Secondary plant activity is         detected. <u>AND</u> 3. Loss of both Non-Vital 4.16 KV         buses. | GENERAL EMERGENCY Loss of 2 of the 3 fission product barriers with imminent loss of the third (any two of the following exist and the third is imminent). 1. Fuel element failure (confirmed DEQ I-131 activity greater than 275 μCi/mL). <u>AND</u> 2. LOCA or Tube rupture on unisolable steam generator. <u>AND</u> 3. Containment integrity breached NOTE Also refer to Potential Core Melt Evert/Clares 6 Δ |
| 3. <u>ABNORMAL</u><br><u>PRIMARY TO</u><br><u>SECONDARY LEAK</u><br><u>RATE</u><br>FER CLASSIFYING                | 6, GO TO EPIP-02, DUTIES AND                                                                                                                                                 | RESPONSIBILITIES OF THE EM                                                                                                                                                                                                                                                                                                                                                            | ERGENCY COORDINATOR                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                  |

| 8<br>PROCEDURE NO.:<br>EPIP-01                                                                                    |                           | CLASSIFICATION OF EM                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 16 of 32          |
|-------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| EPIP-01                                                                                                           |                           | ST. LUCIE PLAI                                                                                                                                                                                                                                                                                        | NT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |
|                                                                                                                   |                           |                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |
| EVENT/CLASS<br>1.B. <u>ABNORMAL</u><br><u>PRIMARY TO</u><br><u>SECONDARY LEAK</u><br><u>RATE</u><br>(Page 2 of 2) | <u>E</u>                  | ATTACHMENT 1<br>MERGENCY CLASSIFICAT<br>(Page 4 of 20)<br>ALERT<br>Rapid failure of steam generator<br>tubes (GREATER THAN charging<br>pump capacity)<br>1. Measured RCS to secondary<br>leakage greater than charging<br>pump capacity.<br><u>AND</u><br>2. Secondary plant activity is<br>detected. | <b>SITE AREA EMERGENCY</b> \$2       Rapid failure of steam generator<br>tube(s) (GREATER THAN charging<br>pump capacity) with steam release in<br>progress         1.       Measured RCS to secondary<br>leakage greater than charging<br>pump capacity.         AND         2.       Secondary plant activity is<br>detected.         AND         3.       Secondary steam release in<br>progress from affected<br>generator (i.e., ADVs, stuck<br>steam safety(s) or unisolable<br>leak.) | GENERAL EMERGENCY |
| I.B. <u>ABNORMAL</u><br><u>PRIMARY TO</u><br><u>SECONDARY LEAK</u><br>RATE                                        |                           |                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |
| TER CLASSIFYING,                                                                                                  | GO TO EPIP-02, DUTIES AND | RESPONSIBILITIES OF THE E                                                                                                                                                                                                                                                                             | EMERGENCY COORDINATOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |

| REVISION NO .:                                                       | PROCEDURE TITLE:                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                      | PAGE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| 8<br>PROCEDURE NO.:                                                  | c                                                                                                                                                     | CLASSIFICATION OF EME                                                                                                                                                                                                                                                                                                                                                                                      | RGENCIES                                                                                                                                                                                                                                                                                                                                                                             | 17 of 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| EPIP-01                                                              |                                                                                                                                                       | ST. LUCIE PLAN                                                                                                                                                                                                                                                                                                                                                                                             | Г                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| EVENT/CLASS<br>1.C. LOSS OF<br>SECONDARY<br>COOLANT<br>(Page 1 of 2) | EME<br>UNUSUAL EVENT<br>Rapid depressurization of secondary<br>plant<br>1. Rapid drop in either steam<br>generator pressure to less than<br>600 psia. | ST. LUCIE PLAN<br>ATTACHMENT 1<br>ERGENCY CLASSIFICATIO<br>(Page 5 of 20)<br>ALERT<br>Major steam leak with<br>GREATER THAN 10 gpm<br>primary/secondary leakage<br>1. Rapid drop in either steam<br>generator pressure to less than<br>600 psia.<br><u>AND</u><br>2. Known pri/sec leak of greater<br>than 10 gpm.<br><u>AND</u><br>3. Secondary plant activity is<br>detected.<br>Total loss of feedwater | SITE AREA EMERGENCY Major steam leak with GREATER THAN 50 gpm primary/secondary leakage and fuel damage indicated 1. Rapid drop in either steam generator pressure to less than 600 psia. <u>AND</u> 2. Known pri/sec leak of greater than 50 gpm. <u>AND</u> 3. Secondary plant activity is detected. <u>AND</u> 4. Fuel element damage is indicated (Refer to Fuel Element Failure | GENERAL EMERGENCY<br><u>A release has occurred or is in</u><br>progress resulting in:<br>1. Containment High Range<br>Radiation monitor greater than<br>1.46 X 10 <sup>5</sup> R/hr (If CHRRM<br>inoperable, Post-LOCA monitors<br>greater than 1000 mR/hr).<br><u>OR</u><br>2. Performance of EPIP-09 (Off-site<br>Dose Calculations) or measured<br>dose rates from off-site surveys<br>indicate site boundary (1 mile)<br>exposure levels have been<br>exceeded as indicated by either<br>A, B, C or D below: |
| 1.C. LOSS OF<br>SECONDARY<br>COOLANT                                 |                                                                                                                                                       | <ol> <li>No main or auxiliary feedwater<br/>flow available for greater than<br/>15 minutes when required for<br/>heat removal.<br/><u>AND</u></li> <li>Steam Generator levels are less<br/>than 40% wide range.</li> </ol>                                                                                                                                                                                 | <u>TLOF with once-through cooling</u><br><u>initiated</u> 1. No main or auxiliary feedwater<br>flow available.<br><u>AND</u> 2. PORV(s) have been opened to<br>facilitate core heat removal.                                                                                                                                                                                         | <ul> <li>A. Toto milemini (total dose rate)</li> <li>B. 1000 mrem (total dose - TEDE)</li> <li>C. 5000 mrem/hr (thyroid dose rate)</li> <li>D. 5000 mrem (thyroid dose-CDE)</li> <li>(continued on next page)</li> </ul>                                                                                                                                                                                                                                                                                         |

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| REVISION NO .:                                                             | PROCEDURE TITLE:               |                                                               |                       | PACE                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| 8<br>PROCEDURE NO.:                                                        | CI                             | LASSIFICATION OF EM                                           | ERGENCIES             | 18 of 32                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| EPIP-01                                                                    |                                | ST. LUCIE PLAI                                                | NT                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| EVENT/CLASS                                                                | EMEI<br>UNUSUAL EVENT          | ATTACHMENT 1<br>RGENCY CLASSIFICAT<br>(Page 6 of 20)<br>ALERT | SITE AREA EMERGENCY   |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1.C. <u>LOSS OF</u><br><u>SECONDARY</u><br><u>COOLANT</u><br>(Page 2 of 2) |                                |                                                               |                       | Loss of 2 of the 3 fission product         barriers with imminent loss of the         third (any two of the following exist and the third is imminent).         1. Fuel element failure (confirmed DEQ I-131 activity greater than 275 µCi/mL).         AND         2. LOCA or Tube rupture on unisolable steam generator.         AND         3. Containment Integrity Breached.         NOTE         Also refer to Potential Core Melt Event/Class 6.A. |
| 1.C. LOSS OF<br>SECONDARY<br>COOLANT                                       |                                |                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| AFTER CLASSIFYING                                                          | , GO TO EPIP-02, DUTIES AND RE | SPONSIBILITIES OF THE E                                       | EMERGENCY COORDINATOR |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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| EVISION NO .:                                               | PROCEDURE TITLE:                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| 8<br>ROCEDURE NO.:                                          | (                                                                                                                                                                                                                                                                                                                                                                                                                                              | CLASSIFICATION OF EME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ERGENCIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 19 of 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| EPIP-01                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                | ST. LUCIE PLAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| EVENT/CLASS<br>2.A. <u>UNCONTROLLED</u><br>EFFLUENT RELEASE | DUNUSUAL EVENT         Actiological effluent limits exceeded         1. Plant effluent monitor(s) exceed         alarm setpoint(s).         D         0. Confirmed analysis results for         gaseous or liquid release which         exceeds ODCM limits.         D         Manalysis is not available within         ne hour and it is expected that         release is greater than ODCK         mint, classify as UNUSUAL         EVENT. | ATTACHMENT 1<br>REGENCY CLASSIFICAT<br>(Page 7 of 20)<br>ALERT<br>A release has occurred or is in<br>progress that is 10 times the effluent<br>limit<br>1. Plant effluent monitor(s)<br>significantly exceed alarm<br>setpoints.<br><u>AND</u><br>2. Confirmed analysis results for<br>gaseous or liquid release which<br>exceeds 10 times ODCM limits.<br><u>NOTE</u><br>If analysis is not available within<br>one hour and it is expected that<br>release is equal to or greater<br>than <u>10 times</u> ODCM limit,<br>classify as <u>ALERT</u> . | SITE AREA EMERGENCY         Source and a service of | GENERAL EMERGENCY<br><u>A release has occurred or is in</u><br>progress resulting in:<br>1. Containment High Range<br>Radiation monitor greater than<br>1.46 X 10 <sup>5</sup> R/hr (If CHRRM<br>inoperable, Post-LOCA monitors<br>greater than 1000 mR/hr).<br><u>OR</u><br>2. Performance of EPIP-09 (Off-site<br>Dose Calculations) or measured<br>dose rates from off-site surveys<br>indicate site boundary (1 mile)<br>exposure levels have been<br>exceeded as indicated by either A,<br>B, C or D below:<br>A. 1000 mrem/hr (total dose rate)<br>B. 1000 mrem (total dose - TEDE<br>C. 5000 mrem/hr (thyroid dose<br>rate)<br>D. 5000 mrem (thyroid dose-CDE) |
|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| EFFLUENT RELEASE                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| TER CLASSIFYING,                                            | GO TO EPIP-02, DUTIES AND R                                                                                                                                                                                                                                                                                                                                                                                                                    | ESPONSIBILITIES OF THE E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MERGENCY COORDINATOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| B         PROCEDURE NO.:         EPIP-01                      |               | CLASSIFICATION OF EMER<br>ST. LUCIE PLANT<br>ATTACHMENT 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | GENCIES                        | PAGE:<br>20 of 32 |
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| EVENT/CLASS<br>2.B. HIGH RADIATION<br>LEVELS IN PLANT         |               | ST. LUCIE PLANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                | 20 of 32          |
| EVENT/CLASS<br>2.B. <u>HIGH RADIATION<br/>LEVELS IN PLANT</u> |               | ATTACHMENT 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |                   |
|                                                               | UNUSUAL EVENT | Improve the provided and the provided an | N TABLE<br>SITE AREA EMERGENCY | GENERAL EMERGENCY |
| B. <u>HIGH RADIATION</u><br>LEVELS IN PLANT                   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |                   |
| TER CLASSIFYING, GO TO EF                                     |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |                   |

| REVISION NO .:                       | PROCEDURE TITLE:                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PAGE                                                                                                                                  |
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| 8<br>PROCEDURE NO.:                  | CLASSIFICATION OF EMERGENCIES                                                                                                                                                                                                                                                                                                                                                                                                                                             | 21 of 32                                                                                                                              |
| EPIP-01                              | ST. LUCIE PLANT                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                       |
| <b>EVENT/CLASS</b><br>3. <u>FIRE</u> | ATTACHMENT 1<br>EMERGENCY CLASSIFICATION TABLE<br>(Page 9 of 20)         UNUSUAL EVENT       ALERT       SITE AREA EMENT         §2       Uncontrolled fire within the Power<br>Block lasting more than 10 minutes.       Uncontrolled fire<br>1. Potentially affecting safety<br>systems.       §2       Eire compromising the<br>safety systems (e.g., br<br>rendered inoperable).                                                                                      | RGENCY         GENERAL EMERGENCY           function of<br>oth trains         NOTE<br>Refer to Potential Core Melt<br>Event/Class 6.A. |
| EXPLOSION                            | AND         2. Requiring off-site support in the opinion of the SM/EC.         \$2       Explosion is defined as a rapid chemical reaction resulting in noise, heat and rapid expansion         Occurrence of an explosion within the Owner Controlled Area.       \$2       Damage to structures/components in the equipment from explosion which affects plant operation.       \$2       Severe damage to safe equipment from explosion which affects plant operation. | n of gas.<br>2 shutdown<br>ion (e.g., both<br>able.                                                                                   |
| 3. <u>FIRE</u><br>EXPLOSION          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                       |
| AFTER CLASSIFYING                    | 3, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORD                                                                                                                                                                                                                                                                                                                                                                                                      | NATOR                                                                                                                                 |

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|                                                    | 4                                                                                                                                                                                                                                                                                                                                                                                | CLASSIFICATION OF EME                                                                                                                                                                                                                                                                        | ERGENCIES                                                                                                                                                                                                                                                             | 22 of 2                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| EPIP-01                                            |                                                                                                                                                                                                                                                                                                                                                                                  | ST. LUCIE PLAN                                                                                                                                                                                                                                                                               | IT                                                                                                                                                                                                                                                                    | 22 01 3                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| EVENT/CLASS<br>4.A. <u>FUEL ELEMENT</u><br>FAILURE | <b>EM</b><br><b>UNUSUAL EVENT</b><br><u>Fuel element damage</u><br>1. Process monitors or area<br>radiation surveys indicate<br>increased letdown activity<br><u>AND</u><br>2. Confirmed RCS sample<br>indicating:<br>A. Coolant activity greater than<br>the Tech Spec limit for iodine<br>spike (Tech Spec<br>Figure 3.4-1.).<br><u>OR</u><br>B. Coolant activity greater than | ATTACHMENT 1<br>ERGENCY CLASSIFICATI<br>(Page 10 of 20)<br>ALERT<br>Fuel element failure<br>1. Process monitors or area<br>radiation surveys indicate<br>increased letdown activity and<br>confirmed RCS Samples<br>indicating DEQ I-131 activity<br>greater than or equal to<br>275 µCi/mL. | ION TABLE<br>SITE AREA EMERGENCY<br>Fuel element failure with inadequate<br>core cooling<br>1. RCS DEQ I-131 activity greater<br>than or equal to 275 μCi/mL.<br><u>AND</u><br>2. Highest CET per core quadrant<br>indicates greater than 10°F<br>superheat or 700°F. | GENERAL EMERGENCY<br><u>A release has occurred or is in</u><br>progress resulting in:<br>1. Containment High Range<br>Radiation monitor greater than<br>1.46 X 10 <sup>5</sup> R/hr (If CHRRM<br>inoperable, Post-LOCA monitor<br>greater than 1000 mR/hr).<br><u>OR</u><br>2. Performance of EPIP-09 (Off-s<br>Dose Calculations) or measured<br>dose rates from off-site survey<br>indicate site boundary (1 mile)<br>exposure levels have been |
| 4.A FUEL ELEMENT                                   | 100/Ε μCi/gram specific<br>activity.<br>NOTE<br>If analysis is not available within<br>one hour and it is expected that<br>activity is greater than Tech<br>Spec limit, classify as<br><u>UNUSUAL EVENT</u> .                                                                                                                                                                    | <b>NOTE</b><br>If analysis is not available<br>within one hour and it is<br>expected that RCS activity for<br>DEQ I-131 is greater than 275<br>$\mu$ Ci/mL, classify as an <u>ALERT</u> .                                                                                                    |                                                                                                                                                                                                                                                                       | <ul> <li>exceeded as indicated by eithe B, C or D below:</li> <li>A. 1000 mrem/hr (total dose r B. 1000 mrem (total dose - TE C. 5000 mrem/hr (thyroid dose rate)</li> <li>D. 5000 mrem (thyroid dose - CDE)</li> </ul>                                                                                                                                                                                                                           |

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| REVISION NO .:                                | PROCEDURE TITLE:                                                                                                                     |                   |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 8<br>PROCEDURE NO.:                           | CLASSIFICATION OF EMERGENCIES                                                                                                        | 23 of 32          |
| EPIP-01                                       | ST. LUCIE PLANT                                                                                                                      |                   |
| EVENT/CLASS<br>4.B. FUEL HANDLING<br>ACCIDENT | | GENERAL EMERGENCY |
| ACCIDENT                                      |                                                                                                                                      |                   |
| AF I ER CLASSIFYING                           | 3, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR                                                           |                   |
|                                               |                                                                                                                                      |                   |

| EN<br>NUSUAL EVENT<br>earthquake has occurred<br>med earthquake has been<br>need within the Owner<br>ed Area.<br>OR<br>earthquake is detected by<br>t seismic monitor<br>uments or other means.  | CLASSIFICATION OF EME<br>ST. LUCIE PLAN<br>ATTACHMENT 1<br>MERGENCY CLASSIFICATIO<br>(Page 12 of 20)<br>ALERT<br>§2 A confirmed earthquake has occurred.<br>1. A confirmed earthquake has occurred which registered<br>GREATER THAN 0.05g within the<br>Owner Controlled Area.<br>OR                                                                                                                                                                                        | IT<br>ION TABLE<br>SITE AREA EMERGENCY<br>§2 A confirmed earthquake has occurred.<br>1. A confirmed earthquake has<br>occurred which registered<br>CREATER THAN 0 Lowithin the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | GENERAL<br>Refer to Potent<br>Class 6.A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 24 of 32<br>EMERGENCY<br>NOTE<br>ial Core Melt Event /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| EN<br>NUSUAL EVENT<br>earthquake has occurred<br>med earthquake has been<br>need within the Owner<br>ed Area.<br>OR<br>earthquake is detected by<br>t seismic monitor<br>uments or other means.  | ST. LUCIE PLAN<br>ATTACHMENT 1<br>MERGENCY CLASSIFICATI<br>(Page 12 of 20)<br>ALERT<br>§2 A confirmed earthquake has occurred.<br>1. A confirmed earthquake has occurred which registered<br>GREATER THAN 0.05g within the<br>Owner Controlled Area.<br>OR                                                                                                                                                                                                                  | IT<br>SITE AREA EMERGENCY<br>§2 A confirmed earthquake has occurred.<br>1. A confirmed earthquake has<br>occurred which registered<br>CREATER THAN 0 for which registered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | GENERAL<br>Refer to Potent<br>Class 6.A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | - EMERGENCY<br>NOTE<br>ial Core Melt Event /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| EN<br>NUSUAL EVENT<br>earthquake has occurred<br>med earthquake has been<br>need within the Owner<br>ed Area.<br>OR<br>earthquake is detected by<br>t seismic monitor<br>uments or other means.  | ATTACHMENT 1<br>MERGENCY CLASSIFICATI<br>(Page 12 of 20)<br>ALERT<br>§2 A confirmed earthquake has occurred.<br>1. A confirmed earthquake has<br>occurred which registered<br>GREATER THAN 0.05g within the<br>Owner Controlled Area.<br>OR                                                                                                                                                                                                                                 | SITE AREA EMERGENCY<br>§2 A confirmed earthquake has occurred.<br>1. A confirmed earthquake has<br>occurred which registered<br>CREATER THAN 0 Lowithin the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | GENERAL<br>Refer to Potent<br>Class 6.A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | - EMERGENCY<br><u>NOTE</u><br>ial Core Melt Event /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NUSUAL EVENT<br>earthquake has occurred<br>med earthquake has been<br>need within the Owner<br>ed Area.<br><u>OR</u><br>earthquake is detected by<br>t seismic monitor<br>uments or other means. | ALERT<br>§2 <u>A confirmed earthquake has occurred.</u><br>1. A confirmed earthquake has<br>occurred which registered<br>GREATER THAN 0.05g within the<br>Owner Controlled Area.<br>OR                                                                                                                                                                                                                                                                                      | SITE AREA EMERGENCY<br>§2 <u>A confirmed earthquake has occurred.</u><br>1. A confirmed earthquake has<br>occurred which registered<br>CREATER THAN O Lowithin the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | GENERAL<br>Refer to Potent<br>Class 6.A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | - EMERGENCY<br>NOTE<br>ial Core Melt Event /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| earthquake has occurred<br>med earthquake has been<br>need within the Owner<br>ed Area.<br><u>OR</u><br>earthquake is detected by<br>t seismic monitor<br>uments or other means.                 | <ul> <li>§2 A confirmed earthquake has occurred.</li> <li>1. A confirmed earthquake has occurred which registered GREATER THAN 0.05g within the Owner Controlled Area.</li> <li>OR</li> </ul>                                                                                                                                                                                                                                                                               | <ul> <li>§2 <u>A confirmed earthquake has occurred.</u></li> <li>1. A confirmed earthquake has occurred which registered</li> <li>CREATER THAN 0 (a within the</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Refer to Potent<br>Class 6.A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NOTE<br>tial Core Melt Event /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ned earthquake has been<br>ced within the Owner<br>ed Area.<br><u>OR</u><br>earthquake is detected by<br>t seismic monitor<br>uments or other means.                                             | <ol> <li>A confirmed earthquake has<br/>occurred which registered<br/>GREATER THAN 0.05g within the<br/>Owner Controlled Area.<br/>OR</li> </ol>                                                                                                                                                                                                                                                                                                                            | 1. A confirmed earthquake has<br>occurred which registered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Refer to Potent<br>Class 6.A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | tial Core Melt Event /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | <ol> <li>A confirmed earthquake has<br/>occurred that could or has caused<br/>trip of the turbine generator or<br/>reactor.</li> </ol>                                                                                                                                                                                                                                                                                                                                      | <ul> <li>OKREATER THAN 0. IG within the Owner Controlled Area and the plant not in Cold Shutdown.</li> <li><u>OR</u></li> <li>A confirmed earthquake has occurred that has caused loss of any safety system function (e.g., both trains inoperable).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| larning                                                                                                                                                                                          | Hurricane warning with winds near<br>design basis                                                                                                                                                                                                                                                                                                                                                                                                                           | Hurricane warning with winds<br>GREATER THAN design basis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Refer to Potentia<br>Class 6.A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NOTE<br>al Core Melt Event /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ed hurricane warning is in                                                                                                                                                                       | <ol> <li>Confirmed hurricane warning is in<br/>effect and winds are expected to<br/>exceed 175 mph within the Owner<br/>Controlled Area.</li> </ol>                                                                                                                                                                                                                                                                                                                         | <ol> <li>Plant not at cold shutdown.<br/><u>AND</u></li> <li>Confirmed hurricane warning is in<br/>effect and winds are expected to<br/>exceed 194 mph within the Owner<br/>Controlled Area</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                  | NOTE<br>At FPL's request, NOAA will provide an<br>accurate projection of wind speeds onsite<br>24 hours prior to the onset of hurricane<br>force winds. If that projection is not<br>available within 12 hours of entering into<br>the warning, classify the event using<br>current track and wind speeds to project<br>onsite conditions. For example, projected<br>onsite wind speed would be less than<br>maximum hurricane wind speed if the track<br>is away from PSL. | NOTE<br>At FPL's request, NOAA will provide an<br>accurate projection of wind speeds onsite<br>24 hours prior to the onset of hurricane<br>force winds. If that projection is not<br>available within 12 hours of entering into<br>the warning, classify the event using<br>current track and wind speeds to project<br>onsite conditions. For example, projected<br>onsite wind speed would be less than<br>maximum hurricane wind speed if the track<br>is away from PSL.                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                  | arning<br>ed hurricane warning is in<br><b>P-02, DUTIES AND</b>                                                                                                                                                                                                                                                                                                                                                                                                             | arning       Hurricane warning with winds near design basis         ad hurricane warning is in       1. Confirmed hurricane warning is in effect and winds are expected to exceed 175 mph within the Owner Controlled Area.         NOTE       At FPL's request, NOAA will provide an accurate projection of wind speeds onsite 24 hours prior to the onset of hurricane force winds. If that projection is not available within 12 hours of entering into the warning, classify the event using current track and wind speeds to project onsite conditions. For example, project onsite wind speed would be less than maximum hurricane wind speed if the track is away from PSL. | arningHurricane warning with winds near<br>design basisHurricane warning with winds<br>GREATER THAN design basisad hurricane warning is in<br>effect and winds are expected to<br>exceed 175 mph within the Owner<br>Controlled Area.1. Confirmed hurricane warning is in<br>effect and winds are expected to<br>exceed 175 mph within the Owner<br>Controlled Area.1. Plant not at cold shutdown.<br>ANDNOTE<br>At FPL's request, NOAA will provide an<br>accurate projection of wind speeds onsite<br>24 hours prior to the onset of hurricane<br>force winds. If that projection is not<br>available within 12 hours of entering into<br>the warning, classify the event using<br>current track and wind speeds to project<br>onsite conditions. For example, projected<br>onsite wind speed would be less than<br>maximum hurricane wind speed if the track<br>is away from PSL.Murricane warning with winds<br>GREATER THAN design basisP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR | arring       Hurricane warning with winds near design basis       Hurricane warning with winds GREATER THAN design basis       Refer to Potentia Class 6.A.         ad hurricane warning is in       1. Confirmed hurricane warning is in effect and winds are expected to exceed 175 mph within the Owner Controlled Area.       1. Plant not at cold shutdown.       AND         Note       Note       1. Confirmed hurricane warning is in effect and winds are expected to exceed 194 mph within the Owner Controlled Area.       1. Plant not at cold shutdown.       AND         Note       Note       1. Plant not are expected to exceed 194 mph within the Owner Controlled Area.       1. Plant not are expected to exceed 194 mph within the Owner Controlled Area.         Note       Note       Note       1. Plant not are expected to exceed 194 mph within the Owner Controlled Area.         At FPL's request, NOAA will provide an accurate projection of wind speeds onsite 24 hours prior to the onset of hurricane force winds. If that projection is not available within 12 hours of entering into the warning, classify the event using current track and wind speeds to project onsite conditions. For example, projected onsite wind speed would be less than maximum hurricane wind speed would be less than maximum hurricane wind speed if the track is away from PSL.         P-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR |

| REVISION NO .:                                                                   | PROCEDURE TITLE:                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                              | PAGE                                                                            |
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| 8<br>PROCEDURE NO.:                                                              | (                                                                                                                                                                                        | CLASSIFICATION OF EME                                                                                                                                                                                                                                                                                                                                                                                                           | RGENCIES                                                                                                                                                                                                                                                                                                                     | 25 of 32                                                                        |
| EPIP-01                                                                          |                                                                                                                                                                                          | ST. LUCIE PLAN                                                                                                                                                                                                                                                                                                                                                                                                                  | Г                                                                                                                                                                                                                                                                                                                            |                                                                                 |
| EVENT/CLASS<br>5.C. <u>TORNADO</u><br>5.D. <u>ABNORMAL WATER</u><br><u>LEVEL</u> | | ATTACHMENT 1<br>RGENCY CLASSIFICATIO<br>(Page 13 of 20)<br>ALERT<br>\$2 Any tornado striking the Power<br>Block.<br>Flood, low water, hurricane surge or<br>other abnormal water level<br>conditions<br>1. The storm drain capacity is<br>exceeded during hurricane surge<br>or known flood conditions.<br><u>OR</u><br>2. Low intake canal level of -10.5 ft.<br>MLW for 1 hour or more with<br>emergency barrier valves open. | DON TABLE<br>SITE AREA EMERGENCY<br>SITE AREA EMERGENCY<br>SITE AREA EMERGENCY<br>Conditions causing failure of vital<br>equipment<br>1. Flood/surge water level reaching<br>elevation +19.5 ft. (turbine<br>building / RAB ground floor).<br><u>OR</u><br>2. Low intake canal level has<br>caused the loss of all ICW flow. | GENERAL EMERGENCY<br>NOTE<br>Refer to Potential Core Melt Event /<br>Class 6.A. |
| 5.C. <u>TORNADO</u>                                                              |                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                              |                                                                                 |
| S.B. ADIVORMAL WATER<br>LEVEL                                                    | GO TO EPIP-02, DUTIES AND R                                                                                                                                                              | ESPONSIBILITIES OF THE EM                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                              |                                                                                 |

| EME<br>ation of the Emergency Response Facilities<br>UNUSUAL EVENT<br>Emergency Coordinator's judgement that<br>plant conditions exist which warrant<br>increased awareness on the part of the<br>operating staff and/or local authorities.                                                                                               | CLASSIFICATION OF EME<br>ST. LUCIE PLAN<br>ATTACHMENT 1<br>RGENCY CLASSIFICATI<br>(Page 14 of 20)<br>NOTE<br>does not require declaration of an emerge<br>ALERT<br>Emergency Coordinator's judgement that<br>plant conditions exist which have a | IT<br>ON TABLE<br>ncy or entry into a specific emergency classifica<br>SITE AREA EMERGENCY                                                                                                                                  | ation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| EME<br>ation of the Emergency Response Facilities<br>UNUSUAL EVENT<br>Emergency Coordinator's judgement that<br>plant conditions exist which warrant<br>increased awareness on the part of the<br>operating staff and/or local authorities.                                                                                               | ST. LUCIE PLAN<br>ATTACHMENT 1<br>ERGENCY CLASSIFICATI<br>(Page 14 of 20)<br>NOTE<br>does not require declaration of an emerge<br>ALERT<br>Emergency Coordinator's judgement that<br>plant conditions exist which have a                         | IT<br>ON TABLE<br>Incy or entry into a specific emergency classification<br>SITE AREA EMERGENCY                                                                                                                             | ation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| EME<br>ation of the Emergency Response Facilities<br>UNUSUAL EVENT<br>Emergency Coordinator's judgement that<br>plant conditions exist which warrant<br>increased awareness on the part of the<br>operating staff and/or local authorities.                                                                                               | ATTACHMENT 1<br>RGENCY CLASSIFICATI<br>(Page 14 of 20)<br>MOTE<br>does not require declaration of an emerge<br>ALERT<br>Emergency Coordinator's judgement that<br>plant conditions exist which have a                                            | ON TABLE<br>Incy or entry into a specific emergency classifica<br>SITE AREA EMERGENCY                                                                                                                                       | ation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <ol> <li>The plant is shutdown under abnormal<br/>conditions (e.g., exceeding cooldown<br/>rates or primary system pipe cracks are<br/>found during operation).<br/><u>OR</u></li> <li>Any plant shutdown required by<br/>Technical Specifications in which the<br/>required shutdown is not reached<br/>within action limits.</li> </ol> | potential to degrade the level of safety at<br>the plant.                                                                                                                                                                                        | 32 Entergency Coordinator's judgement that<br>plant conditions exist which are<br>significantly degrading in an uncontrollable<br>manner.                                                                                   | <ul> <li>§2 Emergency Coordinator's judgement the plant conditions exist that make release large amounts of radioactivity in a short period appear possible or likely. (Any or melt situation.)</li> <li>1. LOCA with failure of ECCS leading severe core degradation or melt. OR</li> <li>2. LOCA with initially successful ECCS and subsequent failure of containment heat removal systems for greater the 2 hours. OR</li> <li>3. Total loss of feedwater followed by failure of once-through-cooling (ECC to adequately cool the core. OR</li> <li>4. Failure of off-site and on-site power along with total loss of feedwater makeup capability for greater than 2 hours. OR</li> <li>5. ATWS occurs which results in core damage or causes failure of core cooling and make-up systems. OR</li> <li>6. Any major internal or external event (e.g., fire, earthquake or tornado substantially beyond design basis) which in the ECs opinion has or coul cause massive damage to plant systems resulting in any of the above</li> </ul> |
|                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                             | (continued on next page)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2.                                                                                                                                                                                                                                                                                                                                        | found during operation).<br><u>OR</u><br>Any plant shutdown required by<br>Technical Specifications in which the<br>required shutdown is not reached<br>within action limits.<br><b>TO EPIP-02, DUTIES AND RE</b>                                | Tound during operation).<br>OR<br>Any plant shutdown required by<br>Technical Specifications in which the<br>required shutdown is not reached<br>within action limits.<br>TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EN | found during operation:<br><u>GR</u><br>Any plant shutdown required by<br>Technical Specifications in which the<br>required shutdown is not reached<br>within action limits.<br>TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| REVISION NO.:                                                                        | PROCEDURE TITLE:               |                                                      |                       |                                                                                                                                                                                             | PAGE:                                                                                                                                                                                                                                                 |
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| 8                                                                                    | CL                             | ASSIFICATION OF EM                                   | IERGENCIES            |                                                                                                                                                                                             | 07.00                                                                                                                                                                                                                                                 |
| PROCEDURE NO .:                                                                      |                                |                                                      |                       |                                                                                                                                                                                             | 27 of 32                                                                                                                                                                                                                                              |
| EPIP-01                                                                              |                                | ST. LUCIE PLA                                        | NT                    |                                                                                                                                                                                             |                                                                                                                                                                                                                                                       |
|                                                                                      | EMER                           | ATTACHMENT 1<br>RGENCY CLASSIFICA<br>(Page 15 of 20) | 1<br>TION TABLE       |                                                                                                                                                                                             |                                                                                                                                                                                                                                                       |
| EVENT/CLASS                                                                          | UNUSUAL EVENT                  | ALERT                                                | SITE AREA EMERGENCY   | GENER/                                                                                                                                                                                      | AL EMERGENCY                                                                                                                                                                                                                                          |
| 6.A. INCREASED<br>AWARENESS OR<br>POTENTIAL CORE<br>MELT<br>(Page 2 of 2)            |                                |                                                      |                       | <ol> <li>Most likel<br/>mode is r<br/>release o<br/>Quicker r<br/>for failure<br/>isolation</li> <li>General I<br/>declared<br/>events.<br/>Corrective<br/>AFW pun<br/>be consid</li> </ol> | NOTES<br>by containment failure<br>melt-through with<br>f gases only.<br>eleases are expected<br>of containment<br>system.<br>Emergency must be<br>for the above listed<br>The likelihood of<br>e action (repair of<br>np, etc.) should not<br>lered. |
| 6.A. <u>INCREASED</u><br><u>AWARENESS OR</u><br><u>POTENTIAL CORE</u><br><u>MELT</u> |                                |                                                      |                       |                                                                                                                                                                                             |                                                                                                                                                                                                                                                       |
| AFTER CLASSIFYING                                                                    | , GO TO EPIP-02, DUTIES AND RE | SPONSIBILITIES OF THE                                | EMERGENCY COORDINATOR |                                                                                                                                                                                             |                                                                                                                                                                                                                                                       |

| EVISION NO .:       | PROCEDURE TITLE:                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PAGE:                                                      |
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| 8<br>PROCEDURE NO.: | (                                                                                                                                                                                                                                            | CLASSIFICATION OF EME                                                                                                                                                                                                                                                                              | RGENCIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 28 of 32                                                   |
| EPIP-01             |                                                                                                                                                                                                                                              | ST. LUCIE PLAN                                                                                                                                                                                                                                                                                     | т                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                            |
|                     | <u>EM</u> I                                                                                                                                                                                                                                  | ATTACHMENT 1<br>ERGENCY CLASSIFICATI<br>(Page 16 of 20)                                                                                                                                                                                                                                            | ON TABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                            |
| EVENT/CLASS         | UNUSUAL EVENT                                                                                                                                                                                                                                | ALERT                                                                                                                                                                                                                                                                                              | SITE AREA EMERGENCY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | GENERAL EMERGENCY                                          |
| 7.A. LOSS OF POWER  | Loss of off-site power or loss of all<br>on-site AC power capability.<br>1. Loss of off-site AC power.<br>OR<br>2. Loss of capability to power at least<br>one vital 4.16 kv bus from <u>any</u><br>available emergency diesel<br>generator. | <ul> <li>§2 Station Blackout (Total Loss of AC)</li> <li>1. Loss of off-site AC power.<br/>AND</li> <li>2. Failure of both emergency diesel<br/>generators to start or load.</li> <li>Loss of all on-site DC power</li> <li>1. Drop in A and B DC bus voltages<br/>to less than 70 VDC.</li> </ul> | <ul> <li>§2 Station Blackout (Total Loss of AC)<br/>for GREATER THAN 15 minutes</li> <li>1. Loss of offsite AC power.<br/><u>AND</u></li> <li>2. Sustained failure of both<br/>emergency diesel generators to<br/>start or load.<br/><u>AND</u></li> <li>3. Failure to restore AC power to at<br/>least one vital 4.16 kv bus within<br/>15 minutes.</li> <li><u>Loss of all vital on-site DC for greater</u><br/>than 15 minutes</li> <li>1. Sustained drop in A and B DC<br/>bus voltages to 70 VDC for<br/>greater than 15 minutes.</li> </ul> | NOTE<br>Refer to Potential Core Melt<br>Event / Class 6.A. |
| 7.A. LOSS OF POWER  |                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                            |
| FTER CLASSIFYING    | ;, GO TO EPIP-02, DUTIES AND R                                                                                                                                                                                                               | RESPONSIBILITIES OF THE E                                                                                                                                                                                                                                                                          | MERGENCY COORDINATOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                            |

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| REVISION NO.                                           | PROCEDURE TITLE:          |                                                                                                                                                                                                                                                                                                                                                       | · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                                                                                                                                | PAGE:                                                                           |
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| 8<br>PROCEDURE NO.:                                    |                           | CLASSIFICATION OF EMER                                                                                                                                                                                                                                                                                                                                | GENCIES                                                                                                                                                                                                                                                                                                                                                              | 29 of 32                                                                        |
| EPIP-01                                                |                           | ST. LUCIE PLANT                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                      |                                                                                 |
| EVENT/CLASS<br>8.A. LOSS OF PLANT<br>CONTROL FUNCTIONS | UNUSUAL EVENT             | ATTACHMENT 1<br>EMERGENCY CLASSIFICATIO<br>(Page 17 of 20)<br>ALERT<br>Loss of Plant Control Functions<br>1. Complete loss of any function<br>needed for plant cold shutdown.<br><u>OR</u><br>2. Failure of the Reactor Protection<br>System to bring the reactor<br>subcritical when needed.<br><u>OR</u><br>3. Control Room is evacuated (for other | <b>SITE AREA EMERGENCY</b><br><b>Critical Loss of Plant Control Functions</b><br>1. Loss of any function or system<br>which, in the opinion of the<br>Emergency Coordinator, precludes<br>placing the plant in Hot Shutdown.<br><u>OR</u><br>2. Failure of the RPS to trip the reactor<br>when needed and operator actions<br>fail to bring the reactor subcritical. | GENERAL EMERGENCY<br>NOTE<br>Refer to Potential Core Melt Event /<br>Class 6.A. |
|                                                        |                           | Loss of Shutdown Cooling                                                                                                                                                                                                                                                                                                                              | 3. Control Room is evacuated (for<br>other than drill purposes) and<br>control cannot be established locally<br>at the Hot Shutdown Control Panel<br>within 15 minutes.                                                                                                                                                                                              |                                                                                 |
|                                                        |                           | <ol> <li>Complete loss of functions needed to<br/>maintain cold shutdown.</li> </ol>                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                      |                                                                                 |
|                                                        |                           | <ul> <li>A. Failure of shutdown cooling systems, resulting in loss of cold shutdown conditions.</li> <li><u>AND</u></li> <li>B. RCS subcooling can NOT be maintained greater than 0°F.</li> </ul>                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                      |                                                                                 |
| 8.A. LOSS OF PLANT<br>CONTROL FUNCTIONS                |                           |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                      |                                                                                 |
| FTER CLASSIFYING                                       | , GO TO EPIP-02, DUTIES / | AND RESPONSIBILITIES OF THE EM                                                                                                                                                                                                                                                                                                                        | ERGENCY COORDINATOR                                                                                                                                                                                                                                                                                                                                                  |                                                                                 |

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|                                                                        | CI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 30 of 32                                                                                                                                                      |                                                                                                                                                                                        |                   |
| EPIP-01                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ST. LUCIE PLANT                                                                                                                                               | -                                                                                                                                                                                      |                   |
|                                                                        | EME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ATTACHMENT 1<br>RGENCY CLASSIFICATIO<br>(Page 18 of 20)                                                                                                       | ON TABLE                                                                                                                                                                               |                   |
| EVENT/CLASS                                                            | UNUSUAL EVENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ALERT                                                                                                                                                         | SITE AREA EMERGENCY                                                                                                                                                                    | GENERAL EMERGENCY |
| 8.B. LOSS OF ALARMS /                                                  | §2 Significant loss of effluent monitoring §2                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Loss of alarms                                                                                                                                                | Loss of alarms/monitoring                                                                                                                                                              |                   |
| <u>COMMUNICATION /</u><br>MONITORING                                   | <ul> <li><u>capability, communications, indication and alarm panels, etc., which impairs ability to perform accident or emergency assessment.</u></li> <li>Loss of effluent or radiological monitoring capability requiring plant shutdown.         <u>OR</u></li> <li>Loss of all primary <u>and</u> backup communication capability with offsite locations.         <u>OR</u></li> <li>Unplanned loss of most (greater than 75%) or all Safety System annunciators for greater than 15 minutes.</li> </ul> | <ol> <li>Unplanned loss of most (greater<br/>than 75%) or all safety system<br/>annunciators.<br/><u>AND</u></li> <li>Plant transient in progress.</li> </ol> | <ol> <li>Inability to monitor* a significant<br/>transient in progress.</li> </ol>                                                                                                     |                   |
|                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                               | *Monitoring means loss of ERDADS,<br>QSPDS and/or the inability to<br>determine any one of the following:<br>reactivity control, core cooling, RCS<br>status or containment integrity. |                   |
| 8.B. LOSS OF ALARMS<br>COMMUNICATION<br>MONITORING<br>AFTER CLASSIFYIN | G, GO TO EPIP-02, DUTIES AND R                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ESPONSIBILITIES OF THE EI                                                                                                                                     | MERGENCY COORDINATOR                                                                                                                                                                   |                   |

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| REVISION NO .:                               | PROCEDURE TITLE:                                                                                                                                                                                                             |                                                                                                                                                                                                         | · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                    | PAGE:             |
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| 8<br>PROCEDURE NO.:                          |                                                                                                                                                                                                                              | CLASSIFICATION OF EME                                                                                                                                                                                   | RGENCIES                                                                                                                                                                                                                                                 | 31 of 32          |
| EPIP-01                                      |                                                                                                                                                                                                                              | ST. LUCIE PLAN                                                                                                                                                                                          | Т                                                                                                                                                                                                                                                        |                   |
|                                              | EM                                                                                                                                                                                                                           | ATTACHMENT 1<br>IERGENCY CLASSIFICATIO<br>(Page 19 of 20)                                                                                                                                               | ON TABLE                                                                                                                                                                                                                                                 |                   |
| EVENT/CLASS                                  | UNUSUAL EVENT                                                                                                                                                                                                                | ALERT                                                                                                                                                                                                   | SITE AREA EMERGENCY                                                                                                                                                                                                                                      | GENERAL EMERGENCY |
| 9.A. <u>AIRCRAFT / MISSILE</u>               | Unusual aircraft activity<br>1. Aircraft crash in the Owner<br>Controlled Area or unusual aircraft<br>activity over facility that in the<br>opinion of the SM/EC, could<br>threaten the safety of the plant or<br>personnel. | <ul> <li>§2 <u>Aircraft/missile impact</u></li> <li>1. Aircraft crash into the Power Block.<br/><u>OR</u></li> <li>2. Visual or audible indication of<br/>missile impact on the Power Block.</li> </ul> | <ul> <li>§2 Damage to vital systems from aircraft/missiles</li> <li>1. Aircraft crash into the Power Block damaging vital plant systems.</li> <li><u>OR</u></li> <li>2. Damage resulting in loss of safe shutdown equipment from any missile.</li> </ul> |                   |
| 9.B. <u>TURBINE FAILURE</u>                  | Turbine rotating component failure<br>causing rapid plant shutdown.                                                                                                                                                          | Visual indication that the turbine<br>casing has been penetrated by<br>blading.                                                                                                                         |                                                                                                                                                                                                                                                          |                   |
| 9.C. <u>TOXIC OR</u><br>FLAMMABLE GAS        | Unplanned/uncontrolled toxic or<br>flammable gas release in the Owner<br>Controlled Area that could affect<br>plant/personnel safety.                                                                                        | Entry of toxic or flammable gas into<br>areas potentially affecting plant<br>operation.                                                                                                                 | §2 Toxic or flammable gas has diffused<br>into vital areas compromising the<br>function of safety related equipment<br>(e.g., both trains rendered<br>inoperable).                                                                                       |                   |
| 9.A. AIRCRAFT / MISSILE                      |                                                                                                                                                                                                                              |                                                                                                                                                                                                         |                                                                                                                                                                                                                                                          |                   |
| 9.B. <u>TURBINE FAILURE</u>                  |                                                                                                                                                                                                                              |                                                                                                                                                                                                         |                                                                                                                                                                                                                                                          |                   |
| 9.C. <u>TOXIC OR</u><br><u>FLAMMABLE GAS</u> |                                                                                                                                                                                                                              |                                                                                                                                                                                                         |                                                                                                                                                                                                                                                          |                   |
| FTER CLASSIFYING                             | , GO TO EPIP-02, DUTIES AND I                                                                                                                                                                                                | RESPONSIBILITIES OF THE EI                                                                                                                                                                              | MERGENCY COORDINATOR                                                                                                                                                                                                                                     |                   |

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| 8<br>PROCEDURE NO.:                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CLASSIFICATION OF EMER                                                                                             | RGENCIES                                                                                                                                                                                   | 32 of 32                                                                                                                                                                            |
| EPIP-01                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ST. LUCIE PLANT                                                                                                    | -                                                                                                                                                                                          |                                                                                                                                                                                     |
|                                                | <u>EM</u> !                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ATTACHMENT 1<br>ERGENCY CLASSIFICATIO<br>(Page 20 of 20)                                                           | ON TABLE                                                                                                                                                                                   |                                                                                                                                                                                     |
| EVENT/CLASS                                    | UNUSUAL EVENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ALERT                                                                                                              | SITE AREA EMERGENCY                                                                                                                                                                        | GENERAL EMERGENCY                                                                                                                                                                   |
| 10. <u>SECURITY THREAT</u>                     | <ul> <li><u>A SECURITY ALERT has been</u><br/><u>called by the Security Force in</u><br/><u>response to one or more of the items</u><br/><u>listed below.</u></li> <li><u>1</u>. Bomb threat</li> <li><u>2</u>. Attack threat <ul> <li>Land/Vehicle</li> <li>Waterborne</li> <li>Airborne</li> <li>Insider</li> </ul> </li> <li><u>3</u>. Security Threat</li> <li><u>4</u>. Protected Area intrusion attempt<br/>or breach</li> <li><u>5</u>. Sabotage attempt</li> <li>Internal disturbance</li> <li>Civil disturbance</li> <li>Vital Area intrusion</li> <li><u>9</u>. Security Force strike</li> <li><u>10</u>. Credible site-specific Security<br/>Threat notification</li> <li><u>11</u>. Extortion/Coercion/Hostage<br/>Threat against plant</li> <li><u>12</u>. Sniper attack</li> </ul> | A SECURITY EMERGENCY has<br>been called by the Security Force as<br>defined in the Safeguards<br>Contingency Plan. | A SECURITY EMERGENCY<br>involving imminent occupancy of the<br>control room or other area(s) vital to<br>the operation of the reactor as<br>defined in the Safeguards<br>Contingency Plan. | A successful takeover of the plant<br>including the Control Room or any<br>other area(s) vital to the operation of<br>the reactor as defined in the<br>Safeguards Contingency Plan. |
| 10. <u>SECURITY THREAT</u><br>AFTER CLASSIFYIN | G, GO TO EPIP-02, DUTIES AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | RESPONSIBILITIES OF THE E                                                                                          | MERGENCY COORDINATOR                                                                                                                                                                       |                                                                                                                                                                                     |

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# ST. LUCIE PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE Procedure No.

EPIP-08

Current Revision No.

6A

Effective Date 01/08/04

SAFETY RELATED

#### Title:

# OFF-SITE NOTIFICATIONS AND PROTECTIVE ACTION RECOMMENDATIONS

Responsible Department: EMERGENCY PLANNING

# **REVISION SUMMARY:**

Revision 6A - Incorporated PCR 03-3535 to put Attachment 2 in forms database. (M. Cooper, 12/10/03)

Revision 6 – Incorporated PCR 03-2272 for CR 03-2568 to revise State Notification form. Delete supplemental data sheet. Revise instructions for completing State form. Improve guidance relative to changing PARs (RIS 2003-12). (J.R. Walker, 08/29/03)

AND

Incorporated PCR 03-1637 for MA 03-04-082 to incorporate shift communicator position. (A. Terezakis, 08/06/03)

Revision 5 - Clarified duties, made editorial / administrative changes and removed local government radio. (J. R. Walker, 07/26/02)

Revision 4 – Clarified instructions regarding notification of rapidly degrading events. Clarified stability class instructions. Made administrative/editorial changes. (J.R. Walker, 10/11/01)

| Revision<br>0  | FRG Review Date<br>05/30/00 | Approved By<br>R. G. West<br>Plant General Manager                               | Approval Date<br>05/31/00 | S_<br>DATE<br>DOCT |                 |
|----------------|-----------------------------|----------------------------------------------------------------------------------|---------------------------|--------------------|-----------------|
| Revision<br>6A | FRG Review Date<br>08/28/03 | Approved By<br>R.E. Rose<br>Plant General Manager<br>N/A                         | Approval Date<br>08/29/03 | SYS<br>COM<br>ITM  | COMPLETED<br>6A |
|                |                             | Designated Approver<br>D. Calabrese<br>Designated Approver<br>(Minor Correction) | 12/10/03                  |                    |                 |

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|                                                                                         | EPIP-0                                                                                                                                                                                      | 8                                  | 51.                                                                         |                                                                                      |                                   |                                            |  |  |
| 1.0                                                                                     | PURF                                                                                                                                                                                        | POSE                               |                                                                             |                                                                                      |                                   |                                            |  |  |
| 1.1                                                                                     | Discu                                                                                                                                                                                       | ssion                              |                                                                             |                                                                                      |                                   |                                            |  |  |
|                                                                                         | 1.                                                                                                                                                                                          | for unde<br>ne Nuclea<br>ve Action | rtaking<br>ar Regulatory                                                    |                                                                                      |                                   |                                            |  |  |
|                                                                                         | 2.                                                                                                                                                                                          | This pr<br>(TSC)                   | ocedure is for use in t<br>and Emergency Opera                              | he Control Room, Techr<br>ations Facility (EOF).                                     | nical Sup                         | port Center                                |  |  |
|                                                                                         | 3.                                                                                                                                                                                          | Upon o<br>Superv<br>The E0         | leclaration of an emer<br>risor (NPS) assumes t<br>C has initial responsibi | gency classification the<br>he duties of the Emerge<br>lity for off-site notificatio | Nuclear F<br>ncy Coor<br>ns and P | <sup>o</sup> lant<br>dinator (EC).<br>ARs. |  |  |
|                                                                                         | <ol> <li>Once the EOF is operational and proper turnover has been conducted, t<br/>Recovery Manager (RM) assumes responsibility for off-site notifications<br/>PARs from the EC.</li> </ol> |                                    |                                                                             |                                                                                      |                                   |                                            |  |  |
|                                                                                         | 5. At an Alert or higher level emergency, communications with the NRC transition to an open phone line from the TSC and the EOF (at a Site Area Emergency of higher level emergency).       |                                    |                                                                             |                                                                                      |                                   |                                            |  |  |
|                                                                                         | 6.                                                                                                                                                                                          | The fol<br>Classif                 | lowing table illustrates<br>ication, Notification or                        | which facility has a res<br>PARs.                                                    | ponsibility                       | y for                                      |  |  |
|                                                                                         |                                                                                                                                                                                             |                                    | Control Room<br>(X until EC<br>function transfers<br>to the TSC)            | TSC<br>(X when operational)                                                          | (X whe                            | EOF<br>n operational)                      |  |  |
| C                                                                                       | lassific                                                                                                                                                                                    | ations                             | X transfers $\rightarrow$                                                   | X                                                                                    |                                   |                                            |  |  |
| N                                                                                       | lotificat                                                                                                                                                                                   | ions                               | X transfers $\rightarrow$                                                   | X transfers $\rightarrow$                                                            | X                                 |                                            |  |  |
| F                                                                                       | PARs                                                                                                                                                                                        |                                    | X transfers $\rightarrow$                                                   | X transfers $\rightarrow$                                                            | X                                 |                                            |  |  |
| <ul><li>7. Off-site Notification</li><li>A. Purpose of Off-Site Notifications</li></ul> |                                                                                                                                                                                             |                                    |                                                                             |                                                                                      |                                   |                                            |  |  |

FPL is required to notify off-site agencies in the event of any emergency that could threaten the health and safety of the public. These notifications provide an early warning to agencies responsible for public protection.

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#### **1.1** Discussion (continued)

7. (continued)

#### <u>NOTE</u>

The State Department of Health (Bureau of Radiation Control) may not have their office staffed on a 24-hour basis. In the event that they do not answer the Hot Ring Down (HRD) telephone, the State Warning Point (SWP) assumes responsibility for notifying their duty officer.

- B. Who Shall Be Notified
  - State Division of Emergency Management
  - State Department of Health (Bureau of Radiation Control)
  - St. Lucie County Emergency Operations Center
  - Martin County Emergency Operations Center
  - NRC
  - 1. State and County Notification
    - a. State and local agencies are notified by using the Hot Ring Down (HRD) telephone. The HRD rings the State Warning Point (SWP). The SWP puts the other agencies on line and reduces the need for individual calls.
    - **b.** ¶<sub>4</sub> After the State Coordinating Officer (SCO) arrives in the EOF, he / she can transfer "NET Control" to the EOF. When this occurs, the Recovery Manager's PAR Briefing becomes the primary notification method for the State and Counties. The Florida Nuclear Plant Emergency Notification Form (form similar to Attachment 1) shall still be completed and provided to the SCO or his / her designee in the EOF. The EOP HRD Communicator should no longer contact the State Warning Point (SWP).

| .1 Di                         | 6A<br>RE NO.:<br>PIP-08<br>Discussion<br>. B.                              | (contin<br>(contin<br>2.                                                              | DFF-SIT<br>A<br>nued)<br>ntinued)<br>NRC<br>a.<br>b.                                                                                                                                                                                                                                                                                                                                                         | E NOTIFICATIONS AND PROTECTIVE<br>ACTION RECOMMENDATIONS<br>ST. LUCIE PLANT<br>Notification<br>The NRC is notified using the Emergency<br>System (ENS) telephone.                                                      | 5 of 49                                     |  |  |
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| ROCEDURA<br>EP<br>.1 Di<br>7. | PIP-08<br>Piscussion<br>. B.                                               | (contir<br>(con<br>2.                                                                 | Anued)<br>Itinued)<br>NRC<br>a.<br>b.                                                                                                                                                                                                                                                                                                                                                                        | ACTION RECOMMENDATIONS<br>ST. LUCIE PLANT<br>Notification<br>The NRC is notified using the Emergency<br>System (ENS) telephone.                                                                                        | 5 of 49                                     |  |  |
| EP<br>.1 Di<br>7.             | PIP-08<br>Piscussion<br>. B.                                               | (contir<br>(con<br>2.                                                                 | nued)<br>itinued)<br>NRC<br>a.<br>b.                                                                                                                                                                                                                                                                                                                                                                         | ST. LUCIE PLANT<br>Notification<br>The NRC is notified using the Emergency<br>System (ENS) telephone.                                                                                                                  | Notification                                |  |  |
| .1 Di                         | viscussion<br>. B.<br>C.                                                   | (contir<br>(con<br>2.                                                                 | nued)<br>itinued)<br>NRC<br>a.<br>b.                                                                                                                                                                                                                                                                                                                                                                         | Notification<br>The NRC is notified using the Emergency<br>System (ENS) telephone.                                                                                                                                     | Notification                                |  |  |
| 7.                            | . В.<br>С.                                                                 | (con<br>2.                                                                            | ntinued)<br>NRC<br>a.<br>b.                                                                                                                                                                                                                                                                                                                                                                                  | Notification<br>The NRC is notified using the Emergency<br>System (ENS) telephone.                                                                                                                                     | Notification                                |  |  |
|                               | C.                                                                         | 2.                                                                                    | NRC<br>a.<br>b.                                                                                                                                                                                                                                                                                                                                                                                              | Notification<br>The NRC is notified using the Emergency<br>System (ENS) telephone.                                                                                                                                     | Notification                                |  |  |
|                               | C.                                                                         |                                                                                       | a.<br>b.                                                                                                                                                                                                                                                                                                                                                                                                     | The NRC is notified using the Emergency<br>System (ENS) telephone.                                                                                                                                                     | Notification                                |  |  |
|                               | C.                                                                         |                                                                                       | b.                                                                                                                                                                                                                                                                                                                                                                                                           | NRC notifications occur through an energy                                                                                                                                                                              |                                             |  |  |
|                               | C.                                                                         |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                              | communication in the TSC and, when ope EOF.                                                                                                                                                                            | ine of<br>rational, the                     |  |  |
|                               |                                                                            | Eme<br>ager                                                                           | Emergency Follow-up Information Requests from State and local agencies.                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                        |                                             |  |  |
|                               | 1. Inco<br>If the<br>telep<br>off-s<br>SWF<br>that<br>Hea<br>of th<br>that | Incom<br>If the<br>teleph<br>off-sit<br>SWP,<br>that th<br>Health<br>of the<br>that m | ning calls should come via the SWP over the<br>HRD is inoperable, the SWP may use commone<br>or ESATCOM (emergency satellite pho<br>e authority contacts the plant without going<br>request that they contact the SWP. SWP s<br>he agency calling is a risk county or the Dep<br>n (DOH) and shall notify other county and st<br>updated information, thus reducing the num<br>hay be directed to the plant. | e HRD phone.<br>nercial<br>one). If an<br>through the<br>shall verify<br>artment of<br>rate agencies<br>nber of calls                                                                                                  |                                             |  |  |
|                               |                                                                            | 2.                                                                                    | Long,<br>should<br>the St<br>Nuclea                                                                                                                                                                                                                                                                                                                                                                          | detailed explanations of plant systems or re<br>d be avoided. If prompted for this kind of inf<br>ate Duty Officer, he / she should be referred<br>ar Division Duty Officer (NDDO).                                    | eactor theory<br>formation by<br>I to the   |  |  |
|                               | 3.                                                                         |                                                                                       | <u>If</u> the S<br>EOF v<br>inform<br>Logke<br>Logke                                                                                                                                                                                                                                                                                                                                                         | State or one of the Counties provides either<br>vith new or pertinent information, <u>Then</u> bring<br>ation to the attention of the EC or EC Assist<br>eper in the TSC or the RM or the RM OPS A<br>eper in the EOF. | the TSC or<br>) that<br>tant /<br>Advisor / |  |  |

|                      |    |       | 1.000                                   | EDURE IIILE.                                                                                                                                                                                                                                                                                                                                                                        | PAGE:                                                                                  |  |  |  |
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| 6A<br>PROCEDURE NO.: |    | _     | OFF-SITE NOTIFICATIONS AND PROTECTIVE   |                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                        |  |  |  |
| EPIP-08              |    |       | ST. LUCIE PLANT                         |                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                        |  |  |  |
| .1 Discussion (      |    |       | (continued)                             |                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                        |  |  |  |
|                      | 8. | Prote | ctive /                                 | tive Action Recommendations                                                                                                                                                                                                                                                                                                                                                         |                                                                                        |  |  |  |
|                      |    | Α.    | Prote<br>prior<br>that<br>prote<br>base | ective actions for the general public are ordinarily N<br>to declaration of a General Emergency. It is possidue to unusually stable and constant meteorologica<br>ective actions could be recommended at a Site Area<br>ed on projected doses. This is the exception rather                                                                                                         | IOT required<br>ble however,<br>al conditions,<br>a Emergency<br>than the rule.        |  |  |  |
|                      |    |       |                                         | ective actions for the general public are required to<br>mmended if a General Emergency is declared. Init<br>on Recommendations (PARs) are normally based o<br>litions. This would NOT be true if the General Eme<br>ared based on off-site dose (either measured or pro<br>urity Emergency (per the Security Plan). The prede<br>mum PARs (based on plant conditions) are as given | be<br>ial Protective<br>n plant<br>rgency was<br>bjected) or a<br>termined<br>n below. |  |  |  |
|                      |    | В.    | Gene                                    | eral Emergency - Minimum PARs                                                                                                                                                                                                                                                                                                                                                       |                                                                                        |  |  |  |
|                      |    |       | 1.                                      | In any case where a GENERAL EMERGENCY h declared, the minimum PAR shall be:                                                                                                                                                                                                                                                                                                         | as been                                                                                |  |  |  |
|                      |    |       |                                         | Shelter all people within a 2-mile radius and out t<br>the sectors affected. The sectors affected are at<br>the downwind sector plus the two adjacent sector                                                                                                                                                                                                                        | o 5 miles in<br>least three,<br>rs.                                                    |  |  |  |
|                      |    |       | 2.                                      | If a GENERAL EMERGENCY has been declared<br>or projected severe core damage, the minimum F                                                                                                                                                                                                                                                                                          | due to actual<br>PAR shall be:                                                         |  |  |  |
|                      |    |       |                                         | Evacuate all people within a 2-mile radius from th<br>out to 5 miles in the sectors affected. Shelter all<br>remaining sectors from 2 to 5 miles and from 5 to<br>from the plant.                                                                                                                                                                                                   | e plant and<br>people in the<br>10 miles                                               |  |  |  |
|                      |    |       | 3.                                      | If a GENERAL EMERGENCY has been declared<br>of physical control of the plant to intruders, includ<br>Control Room or any other area(s) vital to the ope<br>reactor system (as defined in the Security Plan), t<br>PAR shall be:                                                                                                                                                     | due to loss<br>ing the<br>eration of the<br>he minimum                                 |  |  |  |
|                      |    |       |                                         | Evacuate all people within a 2-mile radius from th<br>out to 5 miles in the sectors affected. Shelter all p<br>remaining sectors from 2 to 5 miles and from 5 to<br>from the plant.                                                                                                                                                                                                 | e plant and<br>beople in the<br>10 miles                                               |  |  |  |

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| 1.1 Discussion ( |          |          | (contin                                                                                                                                      | ued)                                                                                                                                                                                                                                                                                                                                                                               |                                                                        |     |
|                  | 8.       | (cont    | inued)                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |     |
|                  |          | C.<br>D. | Once<br>shou<br>the F<br>dose<br>most<br>If it is<br>wait                                                                                    | e a release of radioactive material occurs, dose as<br>ild be utilized when evaluating PARs. The final de<br>PAR should consider all available information inclu-<br>projections, plant conditions and field monitoring<br>t conservative recommendation shall be made.<br>s anticipated that a PAR threshold will be exceede<br>until the threshold is exceeded to make that PAR. | sessment<br>termination of<br>ding off-site<br>data. The<br>ed, DO NOT |     |
|                  | E.       |          | ¶12                                                                                                                                          | Conditions (plant information, dose projections<br>monitoring results) are to be continually assess<br>PARs expanded, as necessary, to ensure that a<br>(most conservative) PARs are issued.                                                                                                                                                                                       | and field<br>ed and<br>idequate                                        | /R6 |
| F.               |          | ¶12      | Previously issued PARs, unless found to be less<br>are to remain in effect until the threat is fully und<br>the event is being de-escalated. | s conservative,<br>ler control and                                                                                                                                                                                                                                                                                                                                                 | /R6                                                                    |     |
|                  |          | G.       | ¶12                                                                                                                                          | Only State and County officials can implement, terminate protective actions.                                                                                                                                                                                                                                                                                                       | change and/or                                                          | /R6 |

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| 2.0   | RI               | REFERENCES / RECORDS REQUIRED / COMMITMENT DOCUMENTS                                                                                                                                                                                                                     |                                                                                                                                                |                       |  |  |  |  |  |  |
|       | 0                | ne or mor                                                                                                                                                                                                                                                                | <u>NOTE</u><br>re of the following symbols may be used in this procedure                                                                       | :                     |  |  |  |  |  |  |
|       | §                | § Indicates a Regulatory commitment made by Technical Specifications,<br>Condition of License, Audit, LER, Bulletin, Operating Experience, License<br>Renewal, etc. and shall NOT be revised without Facility Review Group<br>review and Plant General Manager approval. |                                                                                                                                                |                       |  |  |  |  |  |  |
|       | 1                | Indicate:<br>or other<br>consulta                                                                                                                                                                                                                                        | s a management directive, vendor recommendation, plant<br>non-regulatory commitment that should NOT be revised v<br>tion with the plant staff. | t practice<br>vithout |  |  |  |  |  |  |
|       | Ψ                | Indicates                                                                                                                                                                                                                                                                | s a step that requires a sign off on a data sheet.                                                                                             |                       |  |  |  |  |  |  |
| 2.1   | Re               | ferences                                                                                                                                                                                                                                                                 |                                                                                                                                                |                       |  |  |  |  |  |  |
|       | 1.               | St. Li<br>Unit 2                                                                                                                                                                                                                                                         | ucie Plant Updated Final Safety Analysis Report (UFSAR)<br>2                                                                                   | ) Unit 1 and          |  |  |  |  |  |  |
|       | 2.               | St. Li                                                                                                                                                                                                                                                                   | ucie Plant Technical Specifications Unit 1 and Unit 2                                                                                          |                       |  |  |  |  |  |  |
|       | 3.               | §1                                                                                                                                                                                                                                                                       | St. Lucie Plant Radiological Emergency Plan (E-Plan)                                                                                           |                       |  |  |  |  |  |  |
|       | 4.               | E-Pla                                                                                                                                                                                                                                                                    | in Implementing Procedures (EPIP 00 – 13)                                                                                                      |                       |  |  |  |  |  |  |
|       | 5.               | St. Lu                                                                                                                                                                                                                                                                   | cie Plant Emergency Response Directory (ERD)                                                                                                   |                       |  |  |  |  |  |  |
|       | 6.               | 6. QI-17-PSL-1, Quality Assurance Records                                                                                                                                                                                                                                |                                                                                                                                                |                       |  |  |  |  |  |  |
| 2.2   | Records Required |                                                                                                                                                                                                                                                                          |                                                                                                                                                |                       |  |  |  |  |  |  |
|       | 1.               | All PA<br>maint                                                                                                                                                                                                                                                          | AR worksheets and notifications forms (all attachments) sl<br>ained in plant files in accordance with QI-17-PSL-1.                             | nall be               |  |  |  |  |  |  |
| .3    | Co               | mmitmen                                                                                                                                                                                                                                                                  | t Documents                                                                                                                                    |                       |  |  |  |  |  |  |
|       | 1.               | ¶1 F                                                                                                                                                                                                                                                                     | PMAI PM96-04-165, "ITR 96-006" (Unusual Event Declare<br>Dropped Rod)                                                                          | ed Due to             |  |  |  |  |  |  |
|       | 2.               | ¶2 F<br>N                                                                                                                                                                                                                                                                | PMAI PM96-09-185, Condition Report CR-96-1750 (Off-si<br>Notification Using Commercial Phone)                                                  | te                    |  |  |  |  |  |  |
|       | 3.               | ¶3 N                                                                                                                                                                                                                                                                     | NRC Inspection Report 91-01, Closure of IFIs 89-31-03 ar                                                                                       | id 89-31-01           |  |  |  |  |  |  |
|       | 4.               | ¶4 C                                                                                                                                                                                                                                                                     | Condition Report CR-00-0428 (Evaluated Exercise Critique                                                                                       | e)                    |  |  |  |  |  |  |
|       |                  |                                                                                                                                                                                                                                                                          |                                                                                                                                                |                       |  |  |  |  |  |  |

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| 2.3    | Com                           | mitme                                                                           | nt D                          | Documents (continued)                                                                                                                                                                            |                                                  |  |  |
|        | 5.                            | ¶6                                                                              | ΡN                            | IAI PM96-05-233 (Off-site Notification Process)                                                                                                                                                  |                                                  |  |  |
|        | 6.                            | ¶7                                                                              | PM<br>No                      | /AI PM99-09-016 (PARs Based on FMT Data, Compl<br>otification Form)                                                                                                                              | etion of NRC                                     |  |  |
|        | 7.                            | ¶8                                                                              | NL<br>Se                      | JREG-1022, Event Reporting Guidelines 10 CFR 50.7<br>ection 4.2.4, ENS Event Notification Worksheet (NRC                                                                                         | 72 and 50.73,<br>Form 361).                      |  |  |
|        | 8.                            | ¶9                                                                              | Co<br>wit                     | ondition Reports CR-01-0726 and CR-01-0742 (NOUE<br>th SDC During SL1-17 Outage)                                                                                                                 | s Associated                                     |  |  |
|        | 9.                            | ¶10                                                                             | Co                            | ondition Report CR-01-0389 (Alternate Met Data Sour                                                                                                                                              | ce)                                              |  |  |
|        | 10.                           | <b>10.</b> $\P_{11}$ Condition Report CR-02-0333 (Role of Duty Call Supervisor) |                               |                                                                                                                                                                                                  |                                                  |  |  |
|        | 11.                           | ¶12                                                                             | Co<br>PA                      | ondition Report CR-03-2568 (Response to RIS 2003-1<br>ARs)                                                                                                                                       | 2 Regarding                                      |  |  |
| 3.0    | RES                           | PONS                                                                            | SIBII                         | LITIES                                                                                                                                                                                           |                                                  |  |  |
| 3.1    | Eme                           | rgenc                                                                           | y Co                          | oordinator – Responsible for classifications, notificatio                                                                                                                                        | ns and PARs.                                     |  |  |
| 3.2    | Reco                          | overy l                                                                         | Man                           | ager – Responsible for notifications and PARs.                                                                                                                                                   |                                                  |  |  |
| 3.3    | <b>¶</b> 11                   | Duty                                                                            | Call                          | Supervisor – Assists the EC as a phonetalker.                                                                                                                                                    |                                                  |  |  |
| 3.4    | TSC<br>form<br>nece<br>EC a   | EC A<br>s (Atta<br>ssary<br>approv                                              | ssis<br>achn<br>, Att<br>al w | tant / Logkeeper or TSC OPS Coordinator – Prepares<br>nent 1, Florida Nuclear Plant Emergency Notification<br>achment 3, NRC Reactor Plant Event Notification Wo<br>when the TSC is operational. | s notification<br>Form, and if<br>irksheets) for |  |  |
| 3.5    | EOF<br>and                    | RM C                                                                            | )PS<br>essa                   | Advisor / Logkeeper – Prepares notification forms (A<br>ary, Attachment 3) for RM approval when the EOF is c                                                                                     | ttachment 1<br>operational.                      |  |  |
| 3.6    | TSC<br>OPS<br>notifi          | HRD<br>Coord<br>ication                                                         | Cor<br>dina<br>is to          | mmunicator – Assists the TSC EC Assistant / Logkeer<br>ator with notification form preparation and makes calls<br>o the SWP.                                                                     | per or TSC<br>to complete                        |  |  |
| 3.7    | EOF<br>prep<br>follov<br>(DEN | HRD<br>aration<br>wing tr<br>M).                                                | Cor<br>n an<br>rans           | mmunicator – Assists the EOF RM OPS Advisor with<br>ad makes calls to complete notifications to the SWP a<br>afer of Net Control by the Division of Emergency Mana                               | form<br>nd the SCO<br>agement                    |  |  |
|        |                               |                                                                                 |                               |                                                                                                                                                                                                  |                                                  |  |  |

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| 3.8    | TSC Chemi<br>with radiolo                   | stry Supervisor (in his absence, TSC Dose Assessor) – A<br>gical dose assessment data and PARS.                                                                           | Assists the EC    |  |  |  |
| 3.9    | EOF HP Ma<br>radiological                   | anager (in his absence, EOF Dose Assessor) – Assists th<br>dose assessment data and PARS.                                                                                 | e RM with         |  |  |  |
| 3.10   | TSC Super<br>Communica<br>Phonetalke        | visor – Oversees communications performed by the TSC<br>ators (HRD, ENS, Health Physics Network (HPN), Sound<br>r, EOF and Field Monitoring Team).                        | -Powered          |  |  |  |
| 3.11   | EOF Nuclea<br>the EOF Co                    | clear Licensing Manager – Oversees EOF communications performed by Communicators (HRD, ENS, HPN and TSC).                                                                 |                   |  |  |  |
| 3.12   | Information<br>Rooms, of t<br>notifications | Services – Maintains user copies, in the Unit 1 and Unit<br>he following checklist and supporting attachments for ma<br>and developing Protective Action Recommendations: | 2 Control<br>king |  |  |  |
|        | • Appe                                      | endix A, Notifications from the Affected Control Room                                                                                                                     |                   |  |  |  |
|        | • Attac                                     | hment 1 – Florida Nuclear Plant Emergency Notification                                                                                                                    | Form              |  |  |  |
|        | • Attac<br>Eme                              | ment 1A – Directions for Completing the Florida Nucleargency Notification Form                                                                                            | r Plant           |  |  |  |
|        | • Attac<br>(PAR                             | hment 2 – Determination of Protective Action Recommer                                                                                                                     | ndations          |  |  |  |
|        | Attac                                       | hment 3 – NRC Reactor Plant Event Notification Worksh                                                                                                                     | eet               |  |  |  |
|        | • Attac<br>Notifi                           | hment 3A – Directions for Completing the NRC Reactor<br>cation Worksheet                                                                                                  | Plant Event       |  |  |  |
| 3.13   | Shift Comm<br>Coordinator<br>activities, as | unicator – Assists the Nuclear Plant Supervisor/Emerger<br>in making emergency off-site notifications and performin<br>directed.                                          | icy<br>g other    |  |  |  |
|        |                                             |                                                                                                                                                                           |                   |  |  |  |
|        |                                             |                                                                                                                                                                           |                   |  |  |  |
|        |                                             |                                                                                                                                                                           |                   |  |  |  |
|        |                                             |                                                                                                                                                                           |                   |  |  |  |
|        |                                             |                                                                                                                                                                           |                   |  |  |  |
|        |                                             |                                                                                                                                                                           |                   |  |  |  |
|        |                                             |                                                                                                                                                                           |                   |  |  |  |

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| 4.0   | DEF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | INITION                                   | S                                                                                                                                                                  |                           |  |  |  |  |
| 4.1   | <b>Conservative</b> – Means more extensive or comprehensive action under a given set of circumstances to provide a greater measure of safety. For example, evacuation is more conservative than sheltering.                                                                                                                                                                                                                                                                                                                                 |                                           |                                                                                                                                                                    |                           |  |  |  |  |
| 4.2   | <b>Emergency</b> – Any off-normal event or condition which is classified into one of the four emergency classes (Unusual Event, Alert, Site Area Emergency, or General Emergency) by the NPS in accordance with EPIP-01, Classification of Emergencies.                                                                                                                                                                                                                                                                                     |                                           |                                                                                                                                                                    |                           |  |  |  |  |
| 4.3   | <b>Emergency Coordinator (EC)</b> – The title initially assumed by the NPS, until relieved by plant management through proper turnover, in the event of plant conditions that trigger implementation of the Emergency Plan. The EC is responsible for notifying off-site authorities, emergency responders both inside and outside the company and has full authority and responsibility for on-site emergency response actions. The EC is also responsible for Protective Action Becommendations during the initial stages of an emergency |                                           |                                                                                                                                                                    |                           |  |  |  |  |
| 4.4   | Florida Nuclear Plant Emergency Notification Form – A predetermined format used by nuclear power plants throughout the State for notification and local authorities.                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                                                                                                                                                    |                           |  |  |  |  |
| 4.5   | Ope<br>prese<br>funct                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>rational</b> (<br>ent and tl<br>tions. | (status for an emergency facility) – The mandatory mini<br>ne facility has taken responsibility for its procedurally as                                            | mum staff is<br>signed    |  |  |  |  |
| 4.6   | <b>Protective Action Recommendations</b> (PARs) – Recommendations, for action instructions to protect the public, made by the Emergency Coordinator or Recovery Manager to State and County officials. FPL may recommend No Action, Sheltering or Evacuation.                                                                                                                                                                                                                                                                               |                                           |                                                                                                                                                                    |                           |  |  |  |  |
| 4.7   | <b>Recovery Manager</b> (RM) – A designated company officer or senior manager, who will have responsibility for the direction and control of the EOF. He / she has the authority to establish policy and to expend funds necessary to cope with emergency situations that trigger the implementation of the Emergency Plan.                                                                                                                                                                                                                 |                                           |                                                                                                                                                                    |                           |  |  |  |  |
| 4.8   | Rele                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>ase</b> (duri                          | ng any declared emergency)                                                                                                                                         |                           |  |  |  |  |
|       | 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Any eff<br>above j                        | luent monitor increase of (approximately) 10 times or                                                                          | ne decade                 |  |  |  |  |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                           | OR                                                                                                                                                                 |                           |  |  |  |  |
|       | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Health<br>derived<br>equipm               | Physics detecting airborne radioactivity levels in excess<br>air concentration (DAC) outside of plant buildings due<br>ent associated with the declared emergency. | s of 25%<br>to failure of |  |  |  |  |

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4.9 Shift Communicator – A specific shiftly designated individual trained and qualified to assist the Nuclear Plant Supervisor/Emergency Coordinator in the control room in making emergency off-site notifications, and performing other activities as directed.

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**4.10** State Notification Form (SNF) – Less formal, more concise expression used in lieu of Florida Nuclear plant Emergency Notification Form.

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| 5.0                  | INST  |          |             |                                                                                                                                                     |                            |
| 5.1                  | State | e and Co | unty N      | lotification                                                                                                                                        |                            |
|                      | 1.    | Time L   | .imits      |                                                                                                                                                     |                            |
|                      |       | Α.       | Notifi      | cation shall be initiated within 15 minutes of any o                                                                                                | of the following:          |
|                      |       |          | 1.          | Recognition of entry into the Emergency Plan.                                                                                                       |                            |
|                      |       |          | 2.          | Escalation in Emergency Class.                                                                                                                      |                            |
|                      |       |          | 3.          | De-escalation of the Emergency Class.                                                                                                               |                            |
|                      |       |          | 4.          | Protective Action Recommendation.                                                                                                                   |                            |
|                      |       |          | 5.          | Change in Protective Action Recommendation.                                                                                                         |                            |
|                      |       | В.       | Notifi      | cation shall be initiated within 60 minutes of any o                                                                                                | of the following:          |
|                      |       |          | 1.          | At an Alert or higher Emergency Class, the time<br>update (unless a different frequency has been a<br>the off-site agencies as during a hurricane). | of the last<br>greed to by |
|                      |       |          | 2.          | A radiological release has been initiated.                                                                                                          |                            |
|                      |       |          | 3.          | A radiological release has been terminated.                                                                                                         |                            |
|                      |       |          | 4.          | A significant change in plant conditions has occu<br>(e.g., loss or restoration of off-site power or majo<br>equipment).                            | urred<br>or plant          |
|                      |       |          | 5.          | Termination of the emergency.                                                                                                                       |                            |
|                      |       |          |             |                                                                                                                                                     |                            |
|                      |       |          |             |                                                                                                                                                     |                            |
|                      |       |          |             |                                                                                                                                                     |                            |
|                      |       |          |             |                                                                                                                                                     |                            |
|                      |       |          |             |                                                                                                                                                     |                            |
|                      |       |          |             |                                                                                                                                                     |                            |
| REVIS | ION NO.:                                                                                                                                                                         | ,                                                                                                                           | PROCEDURE TITLE:                                                                                                                                                                                                                                                                                                     | PAGE:                                                      |  |  |  |  |  |  |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--|--|--|--|--|--|
| PROC  | 64<br>EDURE N<br>EPIP                                                                                                                                                            | 4<br>10.:<br>2-08                                                                                                           | OFF-SITE NOTIFICATIONS AND PROTECTIVE<br>ACTION RECOMMENDATIONS<br>ST. LUCIE PLANT                                                                                                                                                                                                                                   |                                                            |  |  |  |  |  |  |
| 5.1   | Stat                                                                                                                                                                             | e and C                                                                                                                     | ounty Notification (continued)                                                                                                                                                                                                                                                                                       |                                                            |  |  |  |  |  |  |
|       | 2. Forms Required for Notifications<br><u> CAUTION</u><br>Notifications require the use of a form similar to Attachment 1, Florida<br>Nuclear Plant Emergency Notification Form. |                                                                                                                             |                                                                                                                                                                                                                                                                                                                      |                                                            |  |  |  |  |  |  |
|       |                                                                                                                                                                                  |                                                                                                                             |                                                                                                                                                                                                                                                                                                                      |                                                            |  |  |  |  |  |  |
|       |                                                                                                                                                                                  | A. Notifications with 15 minute time limits shall be made usi similar to Attachment 1, Florida Nuclear Plant Emergenc Form. |                                                                                                                                                                                                                                                                                                                      |                                                            |  |  |  |  |  |  |
|       |                                                                                                                                                                                  | В.                                                                                                                          | Notifications with 60 minute time limits shall be made u<br>similar to Attachment 1, Florida Nuclear Plant Emergen<br>Form.                                                                                                                                                                                          | sing a form<br>cy Notification                             |  |  |  |  |  |  |
|       | 3.                                                                                                                                                                               | Speci                                                                                                                       | pecial instructions due to extraordinary circumstances.                                                                                                                                                                                                                                                              |                                                            |  |  |  |  |  |  |
|       |                                                                                                                                                                                  | Α.                                                                                                                          | <u>If</u> Emergency Class escalation is necessary due to rapi<br>conditions, <u>Then</u> provide the State and County authoriti<br>initial notification information by transmitting lines 1-6, a<br>of the SNF and terminate the phone call by stating that<br>notification form will be provided within 15 minutes. | dly degrading<br>es with the<br>at a minimum,<br>a new     |  |  |  |  |  |  |
|       | Ther<br>St. L                                                                                                                                                                    | re can no<br>.ucie Pla                                                                                                      | CAUTION<br>ot be two concurrent declared emergency classes under<br>nt Radiological Emergency Plan.                                                                                                                                                                                                                  | the                                                        |  |  |  |  |  |  |
|       |                                                                                                                                                                                  | В.                                                                                                                          | If one Unit is in a classified event and the same or the or<br>enters into an event where the same or lesser Emergen<br>would apply, <u>Then</u> a new classification should NOT be or<br>event should be documented on a SNF as "Additional In<br>Update" and issued as soon as practicable.                        | ther Unit<br>cy Class<br>declared. The<br>nformation or    |  |  |  |  |  |  |
|       |                                                                                                                                                                                  | C.                                                                                                                          | If one Unit is in a classified event and the other Unit entr<br>more severe event in which a higher Emergency Class<br><u>Then</u> the new classification shall be declared and prom<br>regulatory time limits, issued to the State, Counties and                                                                    | ers into a<br>would apply,<br>otly, within the<br>the NRC. |  |  |  |  |  |  |
|       |                                                                                                                                                                                  |                                                                                                                             |                                                                                                                                                                                                                                                                                                                      |                                                            |  |  |  |  |  |  |
|       |                                                                                                                                                                                  |                                                                                                                             |                                                                                                                                                                                                                                                                                                                      |                                                            |  |  |  |  |  |  |

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| 6A             | OFF-SITE NOTIFICATIONS AND PROTECTIVE | 15 -6 40 |
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| EPIP-08        | ST. LUCIE PLANT                       |          |

# **5.1** State and County Notification (continued)

- 4. ¶<sub>4</sub> Transfer of NET Control
  - A. The State Coordinating Officer (SCO) can transfer the control of Hot Ring Down (HRD) NET from the State Warning Point (SWP) to the EOF. When this occurs;
    - 1. The RM shall do face to face communication to satisfy off-site notification requirements for the State and Counties. Calls to the SWP are no longer necessary.
    - 2. The Florida Nuclear Plant Emergency Notification Form (Attachment 1) shall continue to be filled out.
    - **3.** Completed notification forms are to be provided to the SCO or his / her designee in the EOF.

#### END OF SECTION 5.1

| VIS | ION NO.:                     | ·                                   | PROCEDURE TITLE:                                                                                                                                                                                                                                                                                                      | PAGE:                                                                              |  |  |  |  |
|-----|------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--|--|--|--|
|     | 6A                           |                                     | OFF-SITE NOTIFICATIONS AND PROTECTIVE                                                                                                                                                                                                                                                                                 |                                                                                    |  |  |  |  |
| C   |                              | 0.:                                 | ACTION RECOMMENDATIONS                                                                                                                                                                                                                                                                                                | 16 of 49                                                                           |  |  |  |  |
|     | FPIP-                        | -08                                 | ST. LUCIF PI ANT                                                                                                                                                                                                                                                                                                      |                                                                                    |  |  |  |  |
|     | Nucl                         |                                     |                                                                                                                                                                                                                                                                                                                       |                                                                                    |  |  |  |  |
|     | NUCI                         | ear Reg                             | ulatory Commission (NRC) Notification                                                                                                                                                                                                                                                                                 |                                                                                    |  |  |  |  |
|     | 1.                           | Time                                | Limits                                                                                                                                                                                                                                                                                                                |                                                                                    |  |  |  |  |
|     | Notif<br>and<br>ensu<br>ager | fication (<br>local ag<br>ure timel | <u>NOTE</u><br>of the NRC is expected <u>immediately</u> after notification of s<br>encies. The one-hour time limit in 10 CFR 50.72 (a)(3)<br>y NRC notification in cases where notification of State a<br>delayed or prolonged.                                                                                      | State<br>is to<br>nd local                                                         |  |  |  |  |
|     |                              | Α.                                  | The licensee shall notify the NRC immediately after no appropriate State or local agencies and not later than of the time the licensee declares one of the Emergency C (10 CFR 50.72 (a)(3)).                                                                                                                         | tification of th<br>one hour after<br>lasses                                       |  |  |  |  |
|     | 2.                           | Speci                               | al Instructions                                                                                                                                                                                                                                                                                                       |                                                                                    |  |  |  |  |
|     |                              | Α.                                  | Initial notification to the NRC using the Emergency Not<br>System (ENS) (usually done from the Control Room) s<br>Attachment 3, NRC Reactor Plant Event Notification W                                                                                                                                                | ification<br>hould use<br>′orksheet.                                               |  |  |  |  |
|     |                              | В.                                  | At an Alert or higher emergency class, the NRC will wa<br>an open line of communication with the Control Room,<br>ENS conference bridge tying in the licensee with NRC<br>and region personnel. Once the Technical Support Ce<br>operational, the Control Room should transfer responsi<br>communications to the TSC. | int to establis<br>utilizing an<br>Headquarter<br>nter (TSC) is<br>ibility for NRC |  |  |  |  |
|     |                              | C.                                  | The Emergency Operations Facility (EOF) should join t<br>ENS conference bridge and take the lead for NRC com                                                                                                                                                                                                          | he TSC on th<br>munications.                                                       |  |  |  |  |
|     |                              | D.                                  | The TSC and EOF should also utilize the Health Physic<br>(HPN) line in a manner similar to the ENS (i.e., establis<br>conference bridge with the NRC).                                                                                                                                                                | cs Network<br>h a                                                                  |  |  |  |  |
|     |                              | E.                                  | Both the ENS and HPN Communicators in both facilitie<br>logs of information transmitted and received from the N<br>accordance with procedures.                                                                                                                                                                        | s should kee<br>RC in                                                              |  |  |  |  |
|     |                              |                                     | END OF SECTION 5.2                                                                                                                                                                                                                                                                                                    |                                                                                    |  |  |  |  |
|     |                              |                                     | END OF SECTION 5.2                                                                                                                                                                                                                                                                                                    |                                                                                    |  |  |  |  |

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| 6A             | OFF-SITE NOTIFICATIONS AND PROTECTIVE | 17 of 40 |
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# **5.3** ¶<sub>1</sub> Erroneous Information

- 1. If erroneous information is transmitted to off-site agencies and the error is discovered prior to event termination, a correction should be provided in an update. The need for and urgency of providing the update is dependent upon the importance of the error.
- 2. If erroneous information is transmitted to off-site agencies and the error is discovered after event termination, the Licensing Department should be consulted to determine the need and method for contacting the off-site agencies with corrected information.

## END OF SECTION 5.3

| EVISION NO.:  |                                                                       | PROCEDURE TITLE:                                                                                                                                                                        | PAGE:                      |
|---------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| 6A            |                                                                       | OFF-SITE NOTIFICATIONS AND PROTECTIVE                                                                                                                                                   |                            |
| ROCEDURE NO.: |                                                                       | ACTION RECOMMENDATIONS                                                                                                                                                                  | 18 of 49                   |
| FPIP-         | 08                                                                    | ST LUCIE PLANT                                                                                                                                                                          |                            |
|               | NOTI                                                                  | APPENDIX A<br>FICATIONS FROM THE AFFECTED CONTROL ROO<br>(Page 1 of 4)<br><u>CAUTION</u>                                                                                                | <u>M</u><br><u>INITIAL</u> |
| • §1          | <ul> <li>Notification</li> <li>practication</li> <li>A new</li> </ul> | ation of State and local agencies shall be made as soon<br>able within 15 minutes of declaration of an Emergency<br>Florida Nuclear Plant Emergency Notification Form sha               | n as<br>Class.<br>all be   |
|               | comple                                                                | eted for all updates.                                                                                                                                                                   |                            |
| <b></b>       |                                                                       |                                                                                                                                                                                         |                            |
| ¶9            | 1. Coı<br>(all                                                        | <u>NOTE</u><br>mpletion of this checklist requires the following Attachm<br>from EPIP-08):                                                                                              | ients                      |
|               | Atta<br>For                                                           | achment 1 – Florida Nuclear Plant Emergency Notificati<br>m                                                                                                                             | ion                        |
|               | Atta<br>Pla                                                           | achment 1A – Directions for Completing the Florida Nuc<br>nt Emergency Notification Form                                                                                                | clear                      |
|               | Atta<br>Rec                                                           | achment 2 – Determination of Protective Action<br>commendations (PARs)                                                                                                                  |                            |
|               | Atta                                                                  | achment 3 – NRC Reactor Plant Event Notification Wor                                                                                                                                    | ksheet                     |
|               | Atta<br>Plai                                                          | achment 3A – Directions for Completing the NRC React<br>nt Event Notification Worksheet                                                                                                 | tor                        |
|               | 2. Che                                                                | ecklist Part 1 is for State Warning Point notification.                                                                                                                                 |                            |
|               | <u>3. Che</u>                                                         | ecklist Part 2 is for NRC notification.                                                                                                                                                 |                            |
| State         | Warning                                                               | g Point Notification                                                                                                                                                                    |                            |
| Α.            | Prepare<br>(form s<br>Direction<br>Notifica                           | e the Florida Nuclear Plant Emergency Notification For<br>imilar to Attachment 1) in accordance with Attachment<br>ons for Completing the Florida Nuclear Plant Emergenc<br>ation Form. | m<br>1A,<br>y              |
| В.            | Emerge                                                                | ency Coordinator (EC) approval.                                                                                                                                                         |                            |
|               |                                                                       |                                                                                                                                                                                         |                            |

| EVISION I         | NO.:                                                                                           | PROCEDURE TITLE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PAGE:                                             |  |  |  |  |  |
|-------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--|--|--|--|--|
|                   | 6A<br>RE NO.:                                                                                  | OFF-SITE NOTIFICATIONS AND PROTECTIVE<br>ACTION RECOMMENDATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 19 of 49                                          |  |  |  |  |  |
| E                 | -08<br>                                                                                        | ST. LUCIE PLANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |  |  |  |  |  |
|                   | NOT                                                                                            | APPENDIX A<br>IFICATIONS FROM THE AFFECTED CONTROL ROOI<br>(Page 2 of 4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u>N</u>                                          |  |  |  |  |  |
| . (0              | continued)                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>INITIAL</u>                                    |  |  |  |  |  |
| 1                 | . Primary<br>the Hot                                                                           | <u>NOTE</u><br>notification method to the State Warning Point (SWP) is<br>Ring Down (HRD) phone.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | to use                                            |  |  |  |  |  |
| 2                 | 2. If the HI<br>provided                                                                       | RD is out-of-service, alternate notification methods are d in Section E, below.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |  |  |  |  |  |
| С                 | . Using                                                                                        | the State HOT RING DOWN (HRD) Phone, dial 100.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                   |  |  |  |  |  |
|                   | done of<br>When<br>Nuclea<br>Emerg<br>the Du<br>the Bu<br>inform<br>line, p<br>and do<br>down. | ach time you talk. Release the button in order to listen.<br>the State Duty Officer answers, announce "This is St. Lu<br>ar Plant [as applicable (Unit 1, 2)] with an emergency<br>age. I am standing by to transmit the Florida Nuclear Pla<br>gency Notification Form when you are ready to copy." Al<br>uty Officer to contact St. Lucie County, Martin County an<br>areau of Radiation Control prior to transmitting the<br>nation from the notification form. When the parties are or<br>rovide the information slowly (e.g., in three word interval<br>eliberately, providing time for the information to be writte | be<br>ucie<br>nt<br>llow<br>d<br>n<br>s)<br>n<br> |  |  |  |  |  |
| E                 | Alternate Notification Methods (in order of priority)                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                   |  |  |  |  |  |
| L<br>re<br>E<br>V | Jse of the co<br>equires call<br>SATCOM a<br>erification n<br>1.                               | NOTE<br>MOTE<br>More as an alternate notification method<br>back verification from the State Warning Point. Use of<br>is an alternate notification method should include a callbu-<br>umber if available (e.g., cellular phone).<br>Alternate 1 – Commercial Phone<br>a. Call the State Warning Point using the phone                                                                                                                                                                                                                                                                                                     | ack                                               |  |  |  |  |  |
|                   |                                                                                                | number in the St. Lucie Plant Emergency Respon<br>Directory (ERD). Announce "This is St. Lucie<br>Nuclear Plant [as applicable (Unit 1 / 2)] with an                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | nse                                               |  |  |  |  |  |

| 6A<br>DURE NG<br>EPIP-(<br>E. | 2.<br>2.<br>2.                 | Cont<br>(cont<br>b.<br>c.<br>Alterr | FF-SITE NOTIFICATIONS AND PROTECTIVE<br>ACTION RECOMMENDATIONS<br>ST. LUCIE PLANT<br>APPENDIX A<br>TIONS FROM THE AFFECTED CONTROL ROOM<br>(Page 3 of 4)<br>tinued)<br>Hang up the phone and standby for the callback.<br>When the State Warning Point gives the go-ahead,<br>provide the information from the Florida Nuclear<br>Plant Emergency Notification Form.<br>¶2 Request callback from the State Warning Point<br>to verify that they notified St. Lucie County,<br>Martin County and the Bureau of Radiation<br>Control.<br>nate 2 - ESATCOM | 20 of 49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------|--------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E.<br>Us                      | <u>NO</u><br>1.<br>2.<br>e ESA | I<br>(cont<br>b.<br>c.<br>Alterr    | APPENDIX A<br>TIONS FROM THE AFFECTED CONTROL ROOM<br>(Page 3 of 4)<br>tinued)<br>Hang up the phone and standby for the callback.<br>When the State Warning Point gives the go-ahead,<br>provide the information from the Florida Nuclear<br>Plant Emergency Notification Form.<br>¶2 Request callback from the State Warning Point<br>to verify that they notified St. Lucie County,<br>Martin County and the Bureau of Radiation<br>Control.<br>mate 2 - ESATCOM<br><u>NOTE</u><br>only if Alternate 1 – commercial phone is not available            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| E.<br>Us                      | 1.<br>2.<br>e ESA              | (cont<br>b.<br>c.<br>Alterr         | (Page 3 of 4)<br>tinued)<br>Hang up the phone and standby for the callback.<br>When the State Warning Point gives the go-ahead,<br>provide the information from the Florida Nuclear<br>Plant Emergency Notification Form.<br>¶ <sub>2</sub> Request callback from the State Warning Point<br>to verify that they notified St. Lucie County,<br>Martin County and the Bureau of Radiation<br>Control.<br>nate 2 - ESATCOM<br><u>NOTE</u><br>only if Alternate 1 – commercial phone is not available                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| E.<br>Us                      | 1.<br>2.<br>e ESA              | (cont<br>b.<br>c.<br>Alterr         | <ul> <li>Hang up the phone and standby for the callback.<br/>When the State Warning Point gives the go-ahead, provide the information from the Florida Nuclear Plant Emergency Notification Form.</li> <li>¶<sub>2</sub> Request callback from the State Warning Point to verify that they notified St. Lucie County, Martin County and the Bureau of Radiation Control.</li> <li>mate 2 - ESATCOM</li> </ul>                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Us                            | <b>2</b> .<br>e ESA            | b.<br>c.<br>Alterr                  | Hang up the phone and standby for the callback.<br>When the State Warning Point gives the go-ahead,<br>provide the information from the Florida Nuclear<br>Plant Emergency Notification Form.<br>¶ <sub>2</sub> Request callback from the State Warning Point<br>to verify that they notified St. Lucie County,<br>Martin County and the Bureau of Radiation<br>Control.<br>mate 2 - ESATCOM<br><u>NOTE</u><br>only if Alternate 1 – commercial phone is not available                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Us                            | <b>2</b> .<br>e ESA            | c.<br>Alterr<br>TCOM                | ¶2 Request callback from the State Warning Point<br>to verify that they notified St. Lucie County,<br>Martin County and the Bureau of Radiation<br>Control. nate 2 - ESATCOM <u>NOTE</u> only if Alternate 1 – commercial phone is not available                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Us                            | <b>2.</b><br>e ESA             | Alterr<br>TCOM                      | nate 2 - ESATCOM<br><u>NOTE</u><br>only if Alternate 1 – commercial phone is not available                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Us                            | e ESA                          | тсом                                | <u>NOTE</u><br>only if Alternate 1 – commercial phone is not available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                               |                                |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                               |                                | a.                                  | Hold down the "push-to-talk" button on the handset<br>and wait 3-5 seconds to hear a beep before you<br>start talking. This must be done each time you talk.                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                               |                                | b.                                  | Announce "State Warning Point, this is St. Lucie<br>Nuclear Plant [as applicable (Unit 1 / 2)] with an<br>emergency declaration." Then release the "push-to-<br>talk" button in order to listen.                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                               |                                | с.                                  | When the State Warning Point acknowledges,<br>announce "State Warning Point, this is St. Lucie<br>Nuclear Plant [as applicable (Unit 1 / 2)] declaring a<br>/ an ( <u>classification</u> ), repeat ( <u>classification</u> ). I am<br>standing by to transmit Florida Nuclear Plant<br>Emergency Notification Form information when you<br>are ready to copy. When the State Warning Point<br>gives the go-ahead, provide the information from the<br>Florida Nuclear Plant Emergency Notification Form.                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                               |                                | d.                                  | Announce "St. Lucie clear" at the end of the conversation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                               |                                |                                     | c.<br>d.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <ul> <li>Nuclear Plant [as applicable (Unit 1 / 2)] with an emergency declaration." Then release the "push-to-talk" button in order to listen.</li> <li>c. When the State Warning Point acknowledges, announce "State Warning Point, this is St. Lucie Nuclear Plant [as applicable (Unit 1 / 2)] declaring a / an (classification), repeat (classification). I am standing by to transmit Florida Nuclear Plant Emergency Notification Form information when you are ready to copy. When the State Warning Point gives the go-ahead, provide the information from the Florida Nuclear Plant Emergency Notification Form.</li> <li>d. Announce "St. Lucie clear" at the end of the conversation.</li> </ul> |

| VISION NO                | .:                                                         | PROCEDURE TITLE:                                                                                                                                                                                                               | PAGE:                     |
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| 6/<br>OCEDURE            | A<br>NO.:                                                  | OFF-SITE NOTIFICATIONS AND PROTECTIVE                                                                                                                                                                                          | 21 of 49                  |
| EPIF                     | ⊃-08                                                       | ST. LUCIE PLANT                                                                                                                                                                                                                |                           |
|                          | NOT                                                        | APPENDIX A<br>IFICATIONS FROM THE AFFECTED CONTROL ROO<br>(Page 4 of 4)                                                                                                                                                        | <u>M</u><br>INITIAI       |
| Not<br>and<br>ens<br>age | tification of<br>l local age<br>sure timely<br>encies is o | <u>CAUTION</u><br>of the NRC is expected immediately after notification of s<br>encies. The one hour time limit in 10 CFR 50.72 (a)(3) i<br>y NRC notification in cases where notification of State a<br>delayed or prolonged. | State<br>s to<br>nd local |
| §1                       | NRC No                                                     | otification                                                                                                                                                                                                                    |                           |
| Α.                       | Prepa<br>(form<br>Directi<br>Notific                       | re the NRC Reactor Plant Event Notification Worksheet<br>similar to Attachment 3) in accordance with Attachment<br>ions for Completing the NRC Reactor Plant Event<br>cation Worksheet.                                        | 3A,<br>                   |
| В.                       | EC ap                                                      | proval.                                                                                                                                                                                                                        |                           |
| 1.                       | Primary<br>Notificat                                       | <u>NOTE</u><br>notification method to the NRC is to use the Emergenc<br>tion System (ENS) phone.                                                                                                                               | y                         |
| 2.                       | If the EN                                                  | NS is out-of-service an alternate notification method is p<br>on D, below.                                                                                                                                                     | rovided                   |
| C.                       | Transr<br>phone                                            | nit the form by dialing one of the numbers shown on the or in the Emergency Response Directory (ERD).                                                                                                                          |                           |
| D.                       | Alterna                                                    | ate Notification Method                                                                                                                                                                                                        |                           |
|                          | 1.                                                         | If the ENS is out-of-service, <u>Then</u> use a commercial photo accomplish the above.                                                                                                                                         | one<br>                   |
|                          |                                                            | END OF APPENDIX A                                                                                                                                                                                                              |                           |
|                          |                                                            |                                                                                                                                                                                                                                |                           |
|                          |                                                            |                                                                                                                                                                                                                                |                           |
|                          |                                                            |                                                                                                                                                                                                                                |                           |

| 1010   |                                | PROCEDURE TITLE:                                                                                                                                                                                   | PAGE                    |  |  |  |  |  |  |
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| EVISIO |                                | OFE-SITE NOTIFICATIONS AND PROTECTIVE                                                                                                                                                              | 22 of 49                |  |  |  |  |  |  |
|        |                                | ACTION RECOMMENDATIONS                                                                                                                                                                             | 22 01 40                |  |  |  |  |  |  |
| ROCEL  |                                | ST   UCIE PLANT                                                                                                                                                                                    |                         |  |  |  |  |  |  |
|        |                                |                                                                                                                                                                                                    |                         |  |  |  |  |  |  |
|        | NOTIFIC                        | APPENDIX B<br>ATIONS FROM THE TECHNICAL SUPPORT CENTER<br>(Page 1 of 5)                                                                                                                            | <u>(TSC)</u><br>INITIAL |  |  |  |  |  |  |
|        | • § <sub>1</sub> Notif<br>prac | <u>CAUTION</u><br>fication of State and local agencies shall be made as soo<br>ticable within 15 minutes of declaration of an Emergency                                                            | n as<br>Class.          |  |  |  |  |  |  |
|        | • ¶ <sub>3</sub> A ne<br>com   | ew Florida Nuclear Plant Emergency Notification Form sh<br>pleted for all updates.                                                                                                                 |                         |  |  |  |  |  |  |
|        |                                | NOTE                                                                                                                                                                                               |                         |  |  |  |  |  |  |
|        | Check                          | ist Part 1 is for HRD Communications.                                                                                                                                                              |                         |  |  |  |  |  |  |
|        |                                |                                                                                                                                                                                                    |                         |  |  |  |  |  |  |
|        | <ul> <li>Checkl</li> </ul>     | ecklist Part 2 is for ENS Communications.                                                                                                                                                          |                         |  |  |  |  |  |  |
| 1.     | State Warı                     | State Warning Point Notification                                                                                                                                                                   |                         |  |  |  |  |  |  |
|        | A. Pre<br>(for<br>Dire<br>Not  | pare the Florida Nuclear Plant Emergency Notification Fo<br>m similar to Attachment 1) in accordance with Attachmer<br>ections for Completing the Florida Nuclear Plant Emerger<br>ification Form. | orm<br>nt 1A,<br>ncy    |  |  |  |  |  |  |
|        | B. Ver                         | ify the Emergency Coordinator (EC) approval.                                                                                                                                                       |                         |  |  |  |  |  |  |
|        | 1. Prim<br>the H               | <b>NOTE</b><br>ary notification method to the State Warning Point (SWP)<br>lot Ring Down (HRD) phone.                                                                                              | ) is to use             |  |  |  |  |  |  |
|        | 2. If the provi                | HRD is out-of-service, alternate notification methods are<br>ded in Section E, below.                                                                                                              | 9                       |  |  |  |  |  |  |
|        | C. Us                          | ing the State HOT RING DOWN (HRD) Phone, dial 100.                                                                                                                                                 |                         |  |  |  |  |  |  |
|        |                                |                                                                                                                                                                                                    |                         |  |  |  |  |  |  |
|        |                                |                                                                                                                                                                                                    |                         |  |  |  |  |  |  |
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| REVIS                           | ION NO.:                     |                                                                                                                 | PROC                                                                                                          | EDURI                                                                                       | E TITLE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PAGE                                                    |          |
|---------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------|
| 6A<br>PROCEDURE NO.:<br>EPIP-08 |                              |                                                                                                                 | _ 0                                                                                                           | FF-S                                                                                        | SITE NOTIFICATIONS AND PROTECTIVE<br>ACTION RECOMMENDATIONS<br>ST. LUCIE PLANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                                                       | 23 of 49 |
|                                 | <u>N</u>                     | OTIFIC                                                                                                          |                                                                                                               | NS FI                                                                                       | APPENDIX B<br>ROM THE TECHNICAL SUPPORT CENTER<br>(Page 2 of 5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u>к (тsc</u>                                           | <u></u>  |
| 1.                              | (cont                        | inued)<br>Hold<br>done<br>Wher<br>Nucle<br>mess<br>Emer<br>the D<br>the B<br>inform<br>line, p<br>and d<br>down | down f<br>each f<br>a the S<br>ear Pla<br>age. I<br>gency<br>uty Off<br>ureau<br>nation<br>provide<br>elibera | the b<br>time<br>state<br>nt Te<br>am s<br>Notif<br>ficer<br>of Ra<br>from<br>the<br>ately, | outton on the handset while talking. This must<br>you talk. Release the button in order to listen<br>Duty Officer answers, announce "This is St. I<br>echnical Support Center with an emergency<br>standing by to transmit the Florida Nuclear Pla<br>fication Form when you are ready to copy." A<br>to contact St. Lucie County, Martin County and<br>adiation Control prior to transmitting the<br>the notification forms. When the parties are<br>information slowly (e.g., in three word interval<br>providing time for the information to be written | t be<br>Lucie<br>ant<br>Allow<br>nd<br>on<br>nls)<br>en | INITIAL  |
|                                 | E.<br>Use o<br>requi<br>ESAT | of the corres call<br>FCOM a<br>cation n                                                                        | omme<br>back v<br>as an a                                                                                     | rcial f<br>rcial f<br>rcial f<br>rerific<br>altern<br>r if av                               | NOTE<br>telephone as an alternate notification method<br>ation from the State Warning Point. Use of<br>nate notification method should include a call<br>vailable (e.g., cellular phone).                                                                                                                                                                                                                                                                                                                                                                  | l<br>Dack                                               |          |
|                                 | <u> </u>                     | 1.                                                                                                              | Alterr<br>a.                                                                                                  | Cal<br>nun<br>Dire<br>Nuc<br>eme                                                            | 1 – Commercial Phone<br>If the State Warning Point using the phone<br>ober in the St. Lucie Plant Emergency Respo<br>ectory (ERD). Announce "This is St. Lucie<br>clear Plant Technical Support Center with an<br>ergency declaration. My callback number is<br>"                                                                                                                                                                                                                                                                                          | onse                                                    |          |
|                                 |                              |                                                                                                                 | с.                                                                                                            | Who     prov     Plan     ¶2                                                                | en the State Warning Point gives the go-aheavide the information from the Florida Nuclear nt Emergency Notification Form.<br>Request callback from the State Warning P to verify that they notified St. Lucie County, Martin County and the Bureau of Radiation Control.                                                                                                                                                                                                                                                                                   | ad,<br>oint                                             |          |

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| 6A           | OFF-SITE NOTIFICATIONS AND PROTECTIVE                                                                                                                                                                                                                                                                                                                                                                                                                           | 24 of 49                              |
| DCEDURE NO.: | ACTION RECOMMENDATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                          | 24 01 49                              |
| EPIP-08      | ST. LUCIE PLANT                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                       |
| NOTIFIC      | APPENDIX B<br>ATIONS FROM THE TECHNICAL SUPPORT CENTER<br>(Page 3 of 5)                                                                                                                                                                                                                                                                                                                                                                                         | R (TSC)                               |
| E. (cont     | nued)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | INITIA                                |
| 2.           | Alternate 2 - ESATCOM                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |
| Use ESA      | <u>NOTE</u><br>FCOM only if Alternate 1 – commercial phone is not ava                                                                                                                                                                                                                                                                                                                                                                                           | ailable.                              |
|              | <ul> <li>a. Hold down the "push-to-talk" button on the han<br/>and wait 3-5 seconds to hear a beep before yo<br/>start talking. This must be done each time you</li> </ul>                                                                                                                                                                                                                                                                                      | dset<br>u<br>talk                     |
|              | <b>b.</b> Announce "State Warning Point, this is St. Luci<br>Nuclear Plant Technical Support Center with an<br>emergency declaration." Then release the "pus<br>talk" button in order to listen.                                                                                                                                                                                                                                                                | e<br>า<br>h-to-<br>                   |
|              | c. When the State Warning Point acknowledges,<br>announce "State Warning Point, this is St. Luci<br>Nuclear Plant Technical Support Center declar<br>a / an (classification), repeat (classification). I a<br>standing by to transmit the Florida Nuclear Plan<br>Emergency Notification Form when you are rea<br>copy. When the State Warning Point gives the<br>go-ahead, provide the information from the Flor<br>Nuclear Plant Emergency Notification Form. | e<br>ing<br>m<br>nt<br>idy to<br>rida |
|              | <b>d.</b> Announce "St. Lucie clear" at the end of the conversation.                                                                                                                                                                                                                                                                                                                                                                                            |                                       |
|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                       |

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| PROCE   |                          | <b>A</b><br>NO.:                                                                    | OFF-SITE NOTIFICATIONS AND PROTECTIVE<br>ACTION RECOMMENDATIONS                                                                                                                                                                                                                                                        | 25 of 49                |
|         | EPIF                     | P-08                                                                                | ST. LUCIE PLANT                                                                                                                                                                                                                                                                                                        |                         |
|         | Ī                        | NOTIFICA                                                                            | APPENDIX B<br>ATIONS FROM THE TECHNICAL SUPPORT CENTER<br>(Page 4 of 5)                                                                                                                                                                                                                                                | (TSC)<br>INITIAL        |
|         | Not<br>and<br>ens<br>age | ification o<br>l local age<br>ure timely<br>ncies is d                              | <u>CAUTION</u><br>of the NRC is expected immediately after notification of S<br>encies. The one-hour time limit in 10 CFR 50.72 (a)(3) is<br>y NRC notification in cases where notification of State an<br>lelayed or prolonged.                                                                                       | itate<br>to<br>id local |
| 1       | [                        | <u></u>                                                                             | NOTE                                                                                                                                                                                                                                                                                                                   | ]                       |
|         | 1.                       | Primary<br>Notificat                                                                | notification method to the NRC is to use the Emergency<br>ion System (ENS) phone.                                                                                                                                                                                                                                      | ,                       |
|         | 2.                       | IS is out-of-service, an alternate notification method is<br>I in Section B, below. |                                                                                                                                                                                                                                                                                                                        |                         |
| •       | §1                       | NRC No                                                                              | tification                                                                                                                                                                                                                                                                                                             |                         |
|         | Α.                       | Choos                                                                               | e and complete the appropriate steps, below:                                                                                                                                                                                                                                                                           |                         |
|         |                          | 1.                                                                                  | If the NRC Reactor Plant Event Notification Worksheet I<br>NOT previously been transmitted from the Control Roon<br><u>Then</u> request that the EC Assistant / Logkeeper prepare<br>the form.                                                                                                                         | nas<br>n,               |
|         |                          | 2.                                                                                  | Verify EC approval.                                                                                                                                                                                                                                                                                                    |                         |
|         |                          | 3.                                                                                  | Transmit the form by dialing one of the numbers shown<br>the phone or in the Emergency Response Directory (ER<br>then GO TO the next step to establish an open line of<br>communication with the NRC.                                                                                                                  | on<br>D),<br>           |
|         |                          |                                                                                     | OR                                                                                                                                                                                                                                                                                                                     |                         |
|         |                          | 4.                                                                                  | If the NRC Reactor Plant Event Notification Worksheet h<br>previously been transmitted by the Control Room, <u>Then</u><br>initiate an open line of communication with the NRC by<br>dialing one of the numbers shown on the phone or in the<br>ERD and request to be placed on the Conference Bridge<br>with the NRC. | as<br>                  |
|         |                          | 5. /                                                                                | As requested, provide information to the NRC.                                                                                                                                                                                                                                                                          |                         |

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|       | 6A        |         | OFF-SITE NOTIFICATIONS AND PROTECTIVE                                                     |          |
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|       | FPIP-(    | 18      | ST LUCIE PLANT                                                                            |          |
|       |           |         |                                                                                           |          |
|       | <u>NC</u> | DTIFICA | APPENDIX B<br>TIONS FROM THE TECHNICAL SUPPORT CENTER<br>(Page 5 of 5)                    | (TSC)    |
| 2.    | (conti    | nued)   |                                                                                           | INITIAL  |
|       | В.        | Alterna | ate Notification Method                                                                   |          |
|       |           | 1.      | If the ENS is out-of-service, <u>Then</u> use a commercial ph<br>to accomplish the above. | ione     |
|       |           |         | END OF APPENDIX B                                                                         |          |
|       |           |         |                                                                                           |          |
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| EVISION NO  |                                           |                                                                                                                                                                                       |                      |
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|             | ^                                         | OFE SITE NOTIFICATIONS AND DESTROT                                                                                                                                                    | PAGE:                |
| 0           | <b>1</b>                                  |                                                                                                                                                                                       | 27 of 49             |
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| EPIF        | ·-08                                      | ST. LUCIE PLANT                                                                                                                                                                       |                      |
| <u>NO</u> . | TIFICATIO                                 | APPENDIX C<br>ONS FROM THE EMERGENCY OPERATIONS FACIO<br>(Page 1 of 6)                                                                                                                | LITY (EOF)<br>INITIA |
|             |                                           | CAUTION                                                                                                                                                                               |                      |
| •           | §₁ Notific<br>practic<br>chango           | ation of State and local agencies shall be made as soc<br>able within 15 minutes of declaration of Emergency C<br>e in Protective Action Recommendation (PAR).                        | on as<br>lass or     |
| •           | []₃ A new<br>comple                       | Florida Nuclear Plant Emergency Notification Form sh                                                                                                                                  | nall be              |
| <b>[</b>    |                                           |                                                                                                                                                                                       |                      |
|             | Checklist                                 | NOTE<br>Part 1 is for HRD Communications                                                                                                                                              |                      |
|             | Sheekiist                                 |                                                                                                                                                                                       |                      |
| • (         | <u> Checklist</u>                         | Part 2 is for ENS Communications.                                                                                                                                                     |                      |
| Stat        | e Warninç                                 | g Point Notification                                                                                                                                                                  |                      |
| Α.          | Prepar<br>(form s<br>Directic<br>Notifica | e the Florida Nuclear Plant Emergency Notification Fo<br>similar to Attachment 1) in accordance with Attachmen<br>ons for Completing the Florida Nuclear Plant Emergen<br>ation Form. | rm<br>t 1A,<br>cy    |
| В.          | Verify t                                  | he Recovery Manager (RM) approval.                                                                                                                                                    |                      |
|             |                                           |                                                                                                                                                                                       |                      |
|             |                                           |                                                                                                                                                                                       |                      |
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|                | 6A                                   | OFF-SITE NOTIFICATIONS AND PROTECTIVE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 00 ( 10                                                          |
| PROCE          | DURE NO.:                            | ACTION RECOMMENDATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 28 of 49                                                         |
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|                | NOTIFICA                             | APPENDIX C<br>IONS FROM THE EMERGENCY OPERATIONS FACIL<br>(Page 2 of 6)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ITY (EOF)                                                        |
| 1.             | (continued)                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | INITIAL                                                          |
|                | 1. Prima<br>the Ho                   | <u>NOTE</u><br>y notification method to the State Warning Point (SWP) i<br>t Ring Down (HRD) phone.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | s to use                                                         |
|                | 2. If the provid                     | HRD is out-of-service, alternate notification methods are ed in Section D, below.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                  |
|                | 3. State<br>Emerg<br>St. Lu<br>Count | and County representatives means Florida Division of<br>lency Management (DEM), Florida Department of Health<br>cie County Department of Public Safety (DPS) and Martir<br>y Department of Emergency Services (DES).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (DOH),<br>1                                                      |
|                | 4. Notific<br>Notific                | ation forms means the Florida Nuclear Plant Emergency ation Form.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                  |
|                | C. Cho                               | ose and complete the appropriate step below:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                  |
|                | 1.                                   | If State and County representatives are NOT co-located<br>with the FPL Emergency Response Organization (ERC<br>the EOF, <u>Then</u> call the SWP and transmit the notification<br>forms. To contact the SWP, dial 100. Hold down the<br>button on the handset while talking. This must be done<br>each time you talk. Release the button in order to lister<br>When the State Duty Officer answers, announce "this is<br>St. Lucie Nuclear Plant Emergency Operations Facility<br>an emergency message. I am standing by to transmit the<br>Florida Nuclear Plant Emergency Notification Form whe<br>you are ready to copy." Allow the Duty Officer to conta<br>the Bureau of Radiation Control, St. Lucie County DPS<br>Martin County DES prior to transmitting the information<br>from the notification forms. When the parties are on lin<br>transmit the information slowly, (e.g., in three word<br>intervals) and deliberately, providing time for the<br>information to be written down. | d<br>) in<br>)<br>n<br>s<br>with<br>the<br>en<br>ct<br>and<br>e, |
|                |                                      | OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                  |
|                |                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |

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|     | 6A                           |                                              | OFF-SITE NOTIFICATIONS AND PROTECTIVE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 29 of 49                                                                                          |
| DCE | EDURE N                      | <b>O</b> .:                                  | ACTION RECOMMENDATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 20 0. 10                                                                                          |
|     | EPIP                         | -08                                          | ST. LUCIE PLANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                   |
|     |                              |                                              | APPENDIX C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
|     | <u>NOT</u>                   | IFICATI                                      | ONS FROM THE EMERGENCY OPERATIONS FACIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | TY (EOF)                                                                                          |
|     |                              |                                              | (Page 3 of 6)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                   |
|     | C.                           | (conti                                       | nued)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | INITIAI                                                                                           |
|     |                              | 2.                                           | If State and County representatives are co-located with<br>FPL ERO in the EOF and the State Coordinating Office<br>(SCO) has NOT assumed Net Control, Then call the SV<br>and transmit the notification forms – "Time of Contact"<br>corresponds to the start time of the Recovery Manager<br>Protective Action Recommendation (PAR) Briefing. To<br>contact the SWP, dial 100. Hold down the button on th<br>handset while talking. This must be done each time yo<br>talk. Release the button in order to listen. When the S<br>Duty Officer answers, announce "this is St. Lucie Nucle<br>Plant Emergency Operations Facility with an emergence<br>message. I am standing by to transmit the Florida Nucl<br>Plant Emergency Notification Form when you are ready<br>copy." Allow the Duty Officer to contact the Bureau of<br>Radiation Control, St. Lucie County DPS and Martin<br>County DES prior to transmitting the information from th<br>notification forms. When the parties are on line, transm<br>the information slowly, (e.g., in three word intervals) an<br>deliberately, providing time for the information to be wridown. | the<br>Pr<br>WP<br>'s<br>'s<br>tate<br>tate<br>ear<br>y<br>lear<br>y to<br>he<br>hit<br>d<br>tten |
|     |                              |                                              | OR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                   |
|     |                              | 3.                                           | If State and County representatives are co-located with FPL ERO in the EOF and the SCO has transferred Net Control to the EOF, <u>Then</u> the SWP is not called (compl notification forms are given to the SCO – may be accomplished by the RM or RM OPS Advisor / Logkeep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | the<br>eted<br>per).                                                                              |
|     | D.                           | Altern                                       | ate Notification Methods (in order of priority)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                   |
|     | Use<br>requ<br>ESA<br>verifi | of the co<br>ires call<br>TCOM a<br>cation n | <u>NOTE</u><br>commercial telephone as an alternate notification method<br>coack verification from the State Warning Point. Use of<br>as an alternate notification method should include a callb<br>umber if available (e.g., cellular phone).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ack                                                                                               |
|     | . <u></u>                    | 1.                                           | Alternate 1 – Commercial Phone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                                                                                 |
|     |                              |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                   |

| SION NO ·  |                                                          | PROC                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ·C ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| ۵۵         |                                                          |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | · • • •                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|            | 0.:                                                      | $\dashv$ $\checkmark$                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 30 of 49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| FPIP.      | -08                                                      |                                                                              | ST LUCIE PLANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|            |                                                          |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <u>NOT</u> | IFICAT                                                   | IONS                                                                         | APPENDIX C<br>FROM THE EMERGENCY OPERATIONS FACILITY<br>(Page 4 of 6)                                                                                                                                                                                                                                                                                                                                                                                                           | (EOF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| D.         | 1.                                                       | (cont                                                                        | tinued)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | INITIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|            |                                                          | a.                                                                           | Call the State Warning Point using the phone<br>number in the St. Lucie Plant Emergency Response<br>Directory (ERD). Announce "This is St. Lucie<br>Nuclear Plant Emergency Operations Facility with<br>an emergency declaration. My callback number is                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|            |                                                          | b.                                                                           | Hang up the phone and standby for the callback.<br>When the State Warning Point gives the go-ahead,<br>provide the information from the Florida Nuclear<br>Plant Emergency Notification Form.                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|            |                                                          | C.                                                                           | ¶2 Request callback from the State Warning Point<br>to verify that they notified St. Lucie County,<br>Martin County and the Bureau of Radiation<br>Control.                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|            | 2.                                                       | Alterr                                                                       | nate 2 - ESATCOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Us         | e ESA                                                    | тсом                                                                         | NOTE<br>only if Alternate 1 – commercial phone is not available                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|            |                                                          | a.                                                                           | Hold down the "push-to-talk" button on the handset<br>and wait 3-5 seconds to hear a beep before you<br>start talking. This must be done each time you talk.                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|            |                                                          | b.                                                                           | Announce "State Warning Point, this is St. Lucie<br>Nuclear Plant Emergency Operations Facility with<br>an emergency declaration." Then release the<br>"push-to-talk" button in order to listen.                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|            |                                                          | с.                                                                           | When the State Warning Point acknowledges,<br>announce "State Warning Point, this is St. Lucie<br>Nuclear Plant Emergency Operations Facility<br>declaring a / an (classification), repeat (classification)<br>I am standing by to transmit the Florida Nuclear Plan<br>Emergency Notification Form when you are ready to<br>copy." When the State Warning Point gives the go-<br>ahead, provide the information from the Florida<br>Nuclear Plant Emergency Notification Form. | ).<br>t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|            | SION NO.:<br>6A<br>CEDURE N<br>EPIP-<br><b>NOT</b><br>D. | SION NO.:<br>6A<br>CEDURE NO.:<br>EPIP-08<br>D. 1.<br>D. 1.<br>2.<br>Use ESA | SION NO.: PROC<br>6A O<br>CEDURE NO.:<br>EPIP-08<br>D. 1. (con<br>a.<br>b.<br>C.<br>2. Altern<br>Use ESATCOM<br>a.<br>b.                                                                                                                                                                                                                                                                                                                                                        | <ul> <li>SION NO.:</li> <li>GA</li> <li>OFF-SITE NOTIFICATIONS AND PROTECTIVE<br/>ACTION RECOMMENDATIONS<br/>ST. LUCIE PLANT</li> <li>APPENDIX C</li> <li>NOTIFICATIONS FROM THE EMERGENCY OPERATIONS FACILITY<br/>(Page 4 of 6)</li> <li>D. 1. (continued)</li> <li>a. Call the State Warning Point using the phone<br/>number in the St. Lucie Plant Emergency Response<br/>Directory (ERD). Announce "This is St. Lucie<br/>Nuclear Plant Emergency Operations Facility with<br/>an emergency declaration. My callback number is<br/>————————————————————————————————————</li></ul> |

| REVIS | ION NO.:                 |                                                      | PROCEDURE TITLE:                                                                                                                                                                                                                                                                                                                                   | PAGE:                               |
|-------|--------------------------|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
|       | 64                       |                                                      | OFF-SITE NOTIFICATIONS AND PROTECTIVE                                                                                                                                                                                                                                                                                                              |                                     |
| PROC  |                          | 10 ·                                                 |                                                                                                                                                                                                                                                                                                                                                    | 31 of 49                            |
| FROC  |                          | 00.                                                  |                                                                                                                                                                                                                                                                                                                                                    |                                     |
|       |                          |                                                      | ST. LUCIE PLANT                                                                                                                                                                                                                                                                                                                                    |                                     |
|       | NOT                      | IFICATIO                                             | APPENDIX C<br>ONS FROM THE EMERGENCY OPERATIONS FACIL<br>(Page 5 of 6)                                                                                                                                                                                                                                                                             | ITY (EOF)                           |
| 1.    | D.                       | 2.                                                   | (continued)                                                                                                                                                                                                                                                                                                                                        | INITIAL                             |
|       |                          |                                                      | <b>d.</b> Announce "St. Lucie clear" at the end of the conversation.                                                                                                                                                                                                                                                                               |                                     |
|       |                          |                                                      | CAUTION                                                                                                                                                                                                                                                                                                                                            |                                     |
|       | Not<br>and<br>ens<br>age | ification of<br>local ago<br>ure timel<br>ncies is o | of the NRC is expected immediately after notification of a<br>encies. The one-hour time limit in 10 CFR 50.72 (a)(3) is<br>y NRC notification in cases where notification of State a<br>delayed or prolonged.                                                                                                                                      | State<br>s to<br>ind local          |
| 2.    | §۱                       | NRC No                                               | otification                                                                                                                                                                                                                                                                                                                                        |                                     |
|       | 1.                       | Primary<br>Notifica                                  | NOTE<br>notification method to the NRC is to use the Emergenc<br>tion System (ENS) phone.                                                                                                                                                                                                                                                          | :y                                  |
|       | 2.                       | If the El                                            | NS is out-of-service, an alternate notification method is d in Section B, below.                                                                                                                                                                                                                                                                   |                                     |
|       | Α.                       | Choos                                                | se and complete the appropriate steps, below:                                                                                                                                                                                                                                                                                                      |                                     |
|       |                          | 1.                                                   | If the NRC Reactor Plant Event Notification Worksheet<br>NOT previously been transmitted from either the Contr<br>Room or Technical Support Center (TSC), <u>Then</u> reque<br>that the RM OPS Advisor prepare the form.                                                                                                                           | t has<br><sup>r</sup> ol<br>est<br> |
|       |                          | 2.                                                   | Verify RM approval.                                                                                                                                                                                                                                                                                                                                |                                     |
|       |                          | 3.                                                   | Transmit the form by dialing one of the numbers show<br>the phone or in the Emergency Response Directory (E<br>then GO TO the next step to establish an open line of<br>communication with the NRC.                                                                                                                                                | n on<br>RD),                        |
|       |                          |                                                      | OR                                                                                                                                                                                                                                                                                                                                                 |                                     |
|       |                          | 4.                                                   | If the NRC Reactor Plant Event Notification Worksheet<br>previously been transmitted by either the Control Roor<br>the TSC, <u>Then</u> initiate an open line of communication<br>the NRC by dialing one of the numbers shown on the<br>phone or in the ERD and request to be placed on the<br>Conference Bridge with the NRC and the St. Lucie TS | t has<br>n or<br>with<br>C          |
|       |                          |                                                      |                                                                                                                                                                                                                                                                                                                                                    |                                     |

| REVISION NO .: |    |              | PROCEDURE TITLE:                                                                                 | PAGE:     |
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|                | 6A |              | OFF-SITE NOTIFICATIONS AND PROTECTIVE                                                            | 32 of 49  |
|                |    |              | ACTION RECOMMENDATIONS                                                                           | 02 01 40  |
| EPIP-08        |    |              | ST. LUCIE PLANT                                                                                  | · · · · · |
|                |    |              |                                                                                                  |           |
| NOTIFICATIO    |    |              | DNS FROM THE EMERGENCY OPERATIONS FACILI<br>(Page 6 of 6)                                        | TY (EOF)  |
| 2              |    | ( <b>.</b> . |                                                                                                  |           |
| ۷.             | А. | (contin      | ued)                                                                                             | INITIAL   |
|                |    | 5.           | Take the lead in providing information to the NRC.                                               |           |
|                | В. | Alterna      | te Notification Method                                                                           |           |
|                |    | 1.           | <u>If</u> the ENS is out-of-service, <u>Then</u> use a commercial ph<br>to accomplish the above. | one       |
|                |    |              |                                                                                                  |           |
|                |    |              |                                                                                                  |           |
|                |    |              | END OF APPENDIX C                                                                                |           |
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| 2.                             | A. Date: <u>/ /</u><br>D. 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| 3.                             | Site: A. Crystal F<br>D. Turkey F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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Downwind s.<br>] Is occurring<br>sec noble gas, ≤ 4,<br>normal limits and •<br>E)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | C.<br>Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | s occurred, but stoj<br>d 1000 mrem CDE                                                                                                                                                                                              | opped                   |
| 9.<br>10.                      | Release Status:       A.       C         Release Significance Ca       Information no       Release within         C.       Non-Significan       D.         D.       PAG Range (a       Release within         11.       Utility Recommende       A.         B.       No recommende       B.       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Downwind S. Is occurring iec noble gas, ≤ 4. normal limits and ≤ E) ctions: racuate Sectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | C. Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an<br>Sheller Sectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | s occurred, but stoj<br>d 1000 mrem CDE,                                                                                                                                                                                             | opped                   |
| 9.<br>10.                      | Release Status:       A.       C         Release Significance Cz       Information nc       C         A.       Information nc       Release within         C.       Non-Significan       D.         D.       PAG Range (z       Information nc         11.       Utility Recommende       A.         B.       The utility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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                                                                                                                                                                                                                                                                                                                                 | C. Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an<br><u>Sheiter Sectors</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | s occurred, but stoj<br>d 1000 mrem CDE                                                                                                                                                                                              | )                       |
| 9 <i>.</i><br>10.              | Release Status:       A.       C         Release Significance Ci       Information nc       C         B.       Information nc       C         B.       Release within       C.         C.       Non-Significan       D.         D.       PAG Range (;       Information nc         11.       Utility Recommende       A.         B.       No recommende       No recommende         B.       The utility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an<br><u>Shelter Sectors</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | s occurred, but sto<br>d 1000 mrem CDE                                                                                                                                                                                               | )                       |
| 9 <i>.</i><br>10.              | Release Status:       A. [         Release Significance Ca       A. [         Information nc       B. [         Release within       C. [         Non-Significan       D. [         PAG Range (;       11. Utility Recommende         A. [       No recommende         B. [       The utility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | None (Go to Item<br>ategory (at the Site E<br>bt available at this tir<br>n normal operating li<br>nt Fraction of PAG R<br>≥ 500 mrem TEDE o<br>d Protective Actions<br>mended actions at th<br>recommends the fol<br>Miles No Act<br>0 - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11)         B. □           3oundary):         me.           imits (≤ 3.5 E-1 Ci/s         kange (release is >           r ≥ 1000 mrem CDI         inits time.           ilowing protective ac         time.           ilowing protective ac         Ev                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | b. Downwind S<br>iec noble gas, ≤ 4.<br>normal limits and •<br>E)<br>ctions:<br><u>racuate Sectors</u><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C. Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an<br><u>Sheiter Sectors</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | s occurred, but stoj<br>d 1000 mrem CDE                                                                                                                                                                                              | )                       |
| 9 <i>.</i><br>10.              | Release Status:       A. [         Release Significance Ci       A. [         Information nc       B. [         Release within       C. [         Non-Significan       D. [         PAG Range (;       11. Utility Recommende         A. [       No recommende         B. [       The utility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | None (Go to Item attegory (at the Site E ot available at this tir n normal operating lint Fraction of PAG R ≥ 500 mrem TEDE o to 200 mrem TEDE o to 200 mrem TEDE o to 200 mrem the following the                                                                                                                                                                                                               | 11)     B. □     3oundary):     me.     imits (≤ 3.5 E-1 Ci/s     lange (release is >     or ≥ 1000 mrem CDI     is time.     llowing protective ac     tion Sectors Ev      / Areas:     is / Areas:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | b. Downwind S<br>iec noble gas, ≤ 4.<br>normal limits and •<br>E)<br>ctions:<br><u>racuate Sectors</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C.<br>Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an<br><u>Shelter Sectors</u><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | s occurred, but stoj<br>d 1000 mrem CDE                                                                                                                                                                                              | opped<br>)              |
| 9.<br>10.                      | Release Status:       A. [         Release Significance C:       A. [         Information no       B. [         Release within       C. [         Non-Significan       D. [         PAG Range (;       11. Utility Recommende         A. [       No recommende         B. [       The utility         C. 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·<br>E)<br>ctions:<br><u>racuate Sectors</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| 9.<br>10.                      | Release Status:       A. [         Release Significance C:       A. [         A. [       Information no         B. [       Release within         C. [       Non-Significan         D. [       PAG Range (;         11. Utility Recommende       A. [         B. [       The utility         B. [       The utility         C. 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2         2 - 5         5 - 10         OR         Shelter Zones /         nce of K1:         Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 11)     B. □     3oundary):     me.     minits (≤ 3.5 E-1 Ci/s     Range (release is >         rr ≥ 1000 mrem CDI     is time.     llowing protective ac     tion Sectors Ev      / Areas:      rs / Areas:      No     soom, go to Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | I is occurring<br>iec noble gas, ≤ 4.<br>normal limits and ·<br>E)<br>ctions:<br><u>/acuate Sectors</u><br><br><b>15. If complete</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | C.<br>Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an<br><u>Sheiter Sectors</u><br><br><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | s occurred, but sto<br>d 1000 mrem CDE                                                                                                                                                                                               | bped                    |
| 9. 10.                         | Release Status:       A. [         Release Significance C;       A. [         A. [] Information no.       Information no.         B. [] Release within       C. [         C. [] Non-Significan       D. [] PAG Range (;         11. Utility Recommender       A. [] No recommender         B. [] The utility       State of the state o | None (Go to Item<br>ategory (at the Site E<br>ot available at this tin<br>n normal operating li<br>in Fraction of PAG R<br>≥ 500 mrem TEDE o<br>Store Actions<br>mended actions at th<br>recommends the fol<br>Miles No Acc<br>0 - 2<br>2 - 5<br>5 - 10<br>OR<br>Shelter Zones /<br>Evacuate Zone<br>nce of KI: Yes<br>in the Control R<br>Reactor Shutdown?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 11) B. □     3oundary):     me.     mais (≤ 3.5 E-1 Ci/s     ⦤ (release is >         r ≥ 1000 mrem CDI     ;:     his time.     llowing protective ax     tion Sectors Ev      / Areas:     rs / Areas:     no     oom, go to Item     Yes □ No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | B. Downwind S<br>iec noble gas, ≤ 4.<br>normal limits and ·<br>E)<br>ctions:<br><u>racuate Sectors</u><br><br><b>15. If complete</b><br>B. Core Adequa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C.<br>Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an<br><u>Sheiter Sectors</u><br><br><u>Sheiter Sectors</u><br><br><u>Ha</u><br><u>Sheiter Sectors</u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u><br><u></u> | s occurred, but sto<br>d 1000 mrem CDE<br>                                                                                                                                                                                           | )<br>)<br>              |
| 9.<br>10.<br>12.<br>13.        | Release Status:       A. [         Release Significance C:       A. [         A. [] Information nc       Information nc         B. [] Release within       C. [         C. [] Non-Significan       D. [] PAG Range (;         11. Utility Recommender       A. [] No recommender         B. [] The utility       C. Consider Issuar         B. [] The utility       C. [] Consider Issuar         If form is completed       Plant Conditions:       A. [] C. []         Weather Data:       A. []       A. []                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | None (Go to Item         ategory (at the Site E         ot available at this tin         n normal operating Ii         n Fraction of PAG R         ≥ 500 mrem TEDE o         dProtective Actions         mended actions at th         recommends the fold         Miles       No Ac         0 - 2       -         2 - 5       -         5 - 10       -         OR       Shelter Zones /         Evacuate Zone       -         nce of KI:       Yes         'In the Control R       -         Reactor Shutdown?       -         Containment Intact?       -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 11) B. □     3oundary):     me.     mais (≤ 3.5 E-1 Ci/s     ⦤ (release is >         r ≥ 1000 mrem CDI     i:     his time.     llowing protective ax     iion Sectors Ev      / Areas:     / Area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | I is occurring<br>iec noble gas, ≤ 4.<br>normal limits and ·<br>E)<br>ctions:<br><u>racuate Sectors</u><br><br><b>15. If complete</b><br>B. Core Adequa<br>D. Core Conditio<br>kity Class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | C.  Ha 6 E-5 Ci/sec iodine) < 500 mrem TEDE an Shelter Sectors d in the TSC or Ed tely Cooled?  Yes n:  Stable  1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | s occurred, but stop<br>d 1000 mrem CDE<br><b>DF, continue wit</b><br>DNo<br>Xegrading                                                                                                                                               | bped                    |
| 9.<br>10.<br>12.<br>13.<br>14. | Release Status:       A. [         Release Significance C:       A. [         Information no       B. [         Release within       C. [         Non-Significan       D. [         PAG Range (;       Information no         Information no       B. [         Non-Significan       D. [         PAG Range (;       Information no         Information no       PAG Range (;         Information no       PAG Range (;         Information no       No recommende         A. [       No recommende         B. [       The utility         C. Consider Issuan       If form is completed         Plant Conditions:       A. [         Weather Data:       A. [         Additional Release Inform       No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | None (Go to Item<br>ategory (at the Site E<br>to available at this tir<br>n normal operating li<br>nt Fraction of PAG R<br>≥ 500 mrem TEDE o<br>Miles No Ac<br>0 - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 11) B. □     Boundary):     me.     imits (≤ 3.5 E-1 Ci/s     tange (release is >         r ≥ 1000 mrem CDI     if:     his time.     llowing protective ar     if:     if:         llowing protective ar     if:         / Areas:         / Areas:         // Are | B. Downwind S     Is occurring     iec noble gas, ≤ 4; normal limits and · E)  ctions: <u>vacuate Sectors</u> <b>15. If complete</b> B. Core Adequa D. Core Condition lity Class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C.  Ha 6 E-5 Ci/sec iodine) < 500 mrem TEDE an Sheiter Sectors Kontent of the text of text of the text of t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | s occurred, but sto<br>d 1000 mrem CDE<br><b>DF, continue wit</b><br>No<br>Xegrading                                                                                                                                                 | bped                    |
| 9.<br>10.<br>12.<br>13.<br>14. | Release Status:       A. [         Release Significance C:       A. [         Information no       B. [         Release within       C. [         Non-Significan       D. [         PAG Range (;       Information no         Information no       B. [         Non-Significan       D. [         PAG Range (;       Information no         Information no       PAG Range (;         Information no       PAG Range (;         Information no       No recommende         A. [       No recommende         B. [       The utility         C. Consider Issuan       If form is completed         Plant Conditions:       A. [         Additional Release Inform       A. [         Noble Gases                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | None (Go to Item<br>ategory (at the Site E<br>ot available at this tir<br>n rormal operating li<br>nt Fraction of PAG R<br>≥ 500 mrem TEDE o<br>Stop Protective Actions<br>mended actions at th<br>recommends the fol<br>Miles No Ac<br>0 - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 11)       B. []         Boundary):         me.         imits (≤ 3.5 E-1 Ci/s         tange (release is >         r ≥ 1000 mrem CDI         is time.         llowing protective ar         ist time.         llowing protective ar         ist time.         llowing protective ar         ist on Sectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | B. Downwind S<br>iec noble gas, ≤ 4.<br>normal limits and ·<br>E)<br>ctions:<br><u>vacuate Sectors</u><br><br><b>15.</b> If complete<br>B. Core Adequa<br>D. Core Condition<br>kity Class                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | C. Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an<br><u>Sheiter Sectors</u><br><u></u><br><u></u><br><u></u><br><i>id in the TSC or Ed</i><br>itely Cooled? Yes<br>on: Stable 10<br>-<br>uries per second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | s occurred, but sto<br>d 1000 mrem CDE<br><b>DF, continue wit</b><br>DRo<br>Degrading                                                                                                                                                | bped                    |
| 9.<br>10.<br>12.<br>13.<br>14. | Release Status:       A. [         Release Significance C:       A. [         Information no       B. [         Release within       C. [         Non-Significan       D. [         PAG Range (;       Information no         Information no       B. [         Non-Significan       D. [         PAG Range (;       Information no         Information no       PAG Range (;         Information no       PAG Range (;         Information no       Non-Significan         B. [       PAG Range (;         Information no       No recommende         A. [       No recommende         B. [       The utility         C. Consider Issuan       If form is completed         Plant Conditions:       A. [         Additional Release Inform       A. [         Additional Release Inform       Data Start         C. Airborne:       Data Start                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | None (Go to Item<br>ategory (at the Site E<br>ot available at this tir<br>n rormal operating li<br>nt Fraction of PAG R<br>≥ 500 mrem TEDE o<br>to Protective Actions<br>mended actions at ti<br>recommends the fol<br>Miles No Ac<br>0 - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11)       B. □         Boundary):       me.         imits (≤ 3.5 E-1 Ci/s         tange (release is >         r ≥ 1000 mrem CDI         ibis time.         llowing protective action Sectors         is / Areas:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | B. Downwind S is occurring iec noble gas, ≤ 4.) normal limits and · E) ctions: <u>vacuate Sectors</u> <u></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C. [] Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an<br><u>Shelter Sectors</u><br><br><u>shelter Sectors</u><br><u>shelter Sectors</u><br><u></u>                                                                                                                                                                                                                                       | s occurred, but stop<br>d 1000 mrem CDE<br><b>DF, continue wit</b><br>DRo<br>Degrading                                                                                                                                               | bped                    |
| 9.<br>10.<br>12.<br>13.<br>14. | Release Status:       A. [         Release Significance C:       A. [         Information no       B. [         Release within       C. [         Non-Significan       D. [         PAG Range (;       Information no         Information no       PAG Range (;         Information no       Non-Significan         A. []       Non-Significan         B. []       PAG Range (;         If form is completed       Plant Conditions:         Plant Conditions:       A. [         Additional Release Inform       A. [         Additional Release Inform       C. Airborne: Date Start         D. Liquid:       Date Start                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | None (Go to Item<br>ategory (at the Site E<br>ot available at this tir<br>n normal operating li<br>nt Fraction of PAG R<br>≥ 500 mem TEDE o<br>Memory of Protective Actions<br>mended actions at tr<br>recommends the fol<br>Miles No Act<br>0 - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 11)         B. []           Boundary):           me.           imits (≤ 3.5 E-1 Ci/s           Range (release is >           r ≥ 1000 mrem CDI           ibis time.           llowing protective addition Sectors           iciton Sectors           is / Areas:           Image (release is >           No           oom, go to Item           Image (release is >           No           oom, go to Item           R           xond         B. Ice           Time Started           Image (release is )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Is occurring<br>iec noble gas, ≤ 4.<br>normal limits and ·<br>E)<br>ctions:<br><u>vacuate Sectors</u><br><br><b>15.</b> If complete<br>B. Core Adequa<br>D. Core Condition<br>lity Class<br><br>zdines CL<br>Date S<br>Date S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C. [] Ha<br>6 E-5 Cl/sec iodine)<br>< 500 mrem TEDE an<br><u>Sheller Sectors</u><br><br>ed in the TSC or Ed<br>itely Cooled? [] Yes<br>pn: [] Stable [] []<br>-<br>iries per second<br>itopped                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | s occurred, but stop<br>d 1000 mrem CDE<br><b>DF, continue wit</b><br>No<br>Degrading<br>Time Stoppe<br>Time Stoppe                                                                                                                  | bped                    |
| 9.<br>10.<br>12.<br>13.<br>14. | Release Status:       A. [         Release Significance C;       A. ]         Information nc       B. ]         Release within       C. ]         Non-Significan       D. ]         PAG Range (;       Information nc         II.       Utility Recommender         A. ]       No recommender         B. ]       The utility         C.       Consider Issuar         If form is completed         Plant Conditions:       A. F. C. C.         Weather Data:       A. M.         Additional Release Inform       A. []         C. Ariborne:       Date Start         D. Liquid:       Date Start         Distance       1 Mile (Site Boundary)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | None (Go to Item<br>ategory (at the Site E<br>ot available at this tir<br>n normal operating li<br>nt Fraction of PAG R<br>≥ 500 mrem TEDE o<br>d Protective Actions<br>mended actions at tr<br>recommends the fol<br>Miles No Act<br>0 - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11)         B. []           Boundary):           me.           imits (≤ 3.5 E-1 Ci/s           Range (release is >           r ≥ 1000 mrem CDI           ibis time.           llowing protective addition Sectors           icion Sectors           / Areas:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | B. Downwind S is occurring see noble gas, ≤ 4. normal limits and · E) ctions: racuate Sectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | C. [] Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an<br>Shelter Sectors<br><br>Ed in the TSC or Ed<br>itely Cooled? [] Yes<br>pro: [] Stable [] D<br>-<br>uries per second<br>itopped<br>Projected Total Dos<br>E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | s occurred, but stop<br>d 1000 mrem CDE<br><b>DF, continue wit</b><br>No<br>Degrading<br>Time Stoppe<br>Time Stoppe<br><u>e (TEDE) for 1 Hov</u><br>wrem                                                                             | bped<br>)<br>h item 12. |
| 9.<br>10.<br>12.<br>13.<br>14. | Release Status:       A. [         Release Significance C;       A. [         Information no       B. [         Release within       C. [         C. [       Non-Significan         D. [       PAG Range (;         11. Utility Recommender       A. [         A. [       No recommender         B. [       The utility         C. Consider Issuar       B. [         If form is completed       Plant Conditions:       A. [         Plant Conditions:       A. [       C. [         Weather Data:       A. [       A. [         Additional Release Inform       A. [       Additional Release Inform         D. Liquid:       Date Start       D. [         Distance       1 Mile (Site Boundary)       2 Miles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | None (Go to Item<br>ategory (at the Site E<br>ot available at this tir<br>n normal operating li<br>nt Fraction of PAG R<br>≥ 500 mrem TEDE o<br>d Protective Actions<br>mended actions at tr<br>recommends the fol<br>Miles No Acc<br>0 - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 11)         B. □           Boundary):         me.           imits (≤ 3.5 E-1 Ci/s           Range (release is >           r ≥ 1000 mrem CDI           ihis time.           llowing protective action Sectors           icition Sectors           is           / Areas:           No           oom, go to Item           Yes           No           oom, B. Stabil           IR           cond           B. □ Io           Time Started           Time Started           Time Started                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B. Downwind S Sec noble gas, ≤ 4. normal limits and · E) Ctions: racuate Sectors T5. If complete B. Core Adequa D. Core Condition lity Class XdinesCL Date SDate SCLDate S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | C.    Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an<br>Shelter Sectors<br><br>id in the TSC or EC<br>itely Cooled?    Yes<br>projected Total Dos<br>F<br>H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | s occurred, but stop<br>d 1000 mrem CDE<br>DF, continue wite<br>DF, continue wite<br>No<br>Degrading<br>Time Stoppe<br>Time Stoppe<br>e (TEDE) for 1 Hoo<br>mrem                                                                     | bped                    |
| 9.<br>10.<br>12.<br>13.<br>14. | Release Status:       A. [         Release Significance C;       A. [         Information nc       Information nc         B. [       Release within         C. [       Non-Significance (;         II. Utility Recommender       A. [         A. [       No recommender         A. [       No recommender         B. [       The utility         C. Consider Issuar       B. [         If form is completed       Plant Conditions:         Plant Conditions:       A. [         Additional Release Inform       A. [         Additional Release Inform       Date Start         D. Liquid:       Date Start         D. Liquid:       Date Start         D. Liquid:       Date Start         1 Mile (Site Boundary)       2 Miles         1 Miles       10 Milas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | None (Go to Item<br>ategory (at the Site E<br>ot available at this tir<br>n normal operating li<br>nt Fraction of PAG R<br>≥ 500 mrem TEDE o<br>d Protective Actions<br>mended actions at tr<br>recommends the fol<br>Miles No Acc<br>0 - 2 - 2<br>2 - 5 - 10 -<br>OR Shelter Zones ,<br>Evacuate Zone<br>nce of KI: Yes<br>Vin the Control R<br>Reactor Shutdown?<br>Containment Intact?<br>Wind Speed<br>Mid Speed<br>Curies per sec<br>ted _//<br>led _//                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 11)         B. □           Boundary):         me.           minits (≤ 3.5 E-1 Ci/s           Range (release is >           r ≥ 1000 mrem CDI           inits ime.           llowing protective addition sectors           icition Sectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | B. 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[] Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an<br>Shelter Sectors<br><br>id in the TSC or Ed<br>itely Cooled? [] Yes<br>projected Total Dos<br>F<br>H<br>J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | s occurred, but stop<br>d 1000 mrem CDE<br>DF, continue wite<br>DR, continue wite<br>DR, continue wite<br>E No<br>Degrading<br>Time Stoppe<br>Time Stoppe<br>time Stoppe<br>Time Stoppe<br>Time Stoppe<br>Time Stoppe<br>Time Stoppe | bped<br>)<br>           |
| 9.<br>10.<br>12.<br>13.<br>14. | Release Status:       A. [         Release Significance C:       A. [         Information nr.       B. [         Release within       C. [         Non-Significance       D. [         PAG Range (;       Information nr.         Information nr.       Release within         C. [       Non-Significance         D. []       PAG Range (;         11. Utility Recommender       A. []         A. []       No recommender         B. []       The utility         C. Consider Issuar       B. []         If form is completed       Plant Conditions:         Plant Conditions:       A. []         Additional Release Inform       A. []         Noble Gases       C. Airborne: Date Start         D. Liquid:       Date Start         D. Liquid:       Date Start         D. Liquid:       Date Start         S Miles       10 Miles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | None (Go to Item<br>ategory (at the Site E<br>ot available at this tir<br>n normal operating li<br>in Fraction of PAG F<br>≥ 500 mem TEDE o<br>Stormern TEDE o<br>Miles No Ac<br>0 - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Initial Degrees           11)         B. □           Boundary):         me.           minits (≤ 3.5 E-1 Ci/s           Range (release is >           is time.           llowing protective axion Sectors           Example           Ion Sectors           Imits time.           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Iowing protective axion Sectors           / Areas:           Imits Sectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | b. Downwind S<br>sec noble gas, ≤ 4.<br>normal limits and ·<br>E)<br>ctions:<br><u>racuate Sectors</u><br><br><b>15.</b> If complete<br>B. Core Adequa<br>D. Core Condition<br>kity Class<br><br>dinesCu<br><br>bate S<br><br><u>ifor 1 Hour</u><br>mrem<br>mrem                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C. Ha 6 E-5 Ci/sec iodine) < 500 mrem TEDE an Shelter Sectors id in the TSC or E0 itely Cooled? Yes itely Cooled? Yes itely Cooled? Yes itely Cooled? 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| 9.<br>10.<br>12.<br>13.<br>14. | Release Status:       A. [         Release Significance C:       A. [         Information no       B. [         Release within       C. [         C. [       Non-Significan         D. []       PAG Range (;         11. Utility Recommende       A. []         A. []       No recommende         B. []       The utility         C. Consider Issua       If form is completed         Plant Conditions:       A. F. C. ()         Weather Data:       A. ()         Additional Release Inform       A. []         D. Liquid:       Date Start         D. Liquid:       Date Start         D. Liquid:       Date Start         D. Miles       S Miles         10 Miles       EC or RM Approval Sign                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | None (Go to Item<br>ategory (at the Site E<br>ot available at this tir<br>n normal operating li<br>in fraction of PAG F<br>≥ 500 mrem TEDE of<br>S00 mrem TEDE of<br>2 500 mrem TEDE of<br>3 500 mrem TED | 11)       B. □         Boundary):         me.         imits (≤ 3.5 E-1 Ci/s         Range (release is >         r ≥ 1000 mrem CDI         ibis time.         llowing protective action Sectors         icion Sectors         ision Sectors<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | b. 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Core Condition<br>lity Class<br>xdines Cu<br>Date S<br><u>) for 1 Hour</u><br>mrem<br>mrem<br>mrem                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | C. Ha 6 E-5 Ci/sec iodine) < 500 mrem TEDE an Sheiter Sectors  Kd in the TSC or E4 itely Cooled? Yes n: Stable 10 curves per second itopped /_/_/ itopped /_// topped /_// topped /_// Date: /_/ Date: /_/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | s occurred, but stop<br>d 1000 mrem CDE                                                                                                                                                                                              | bped                    |
| 9.<br>10.<br>12.<br>13.<br>14. | Release Status:       A. [         Release Significance C:       A. [         Information no       B. [         Release within       C. [         Non-Significan       D. [         PAG Range (;       Information no         Information no       PAG Range (;         II.       Utility Recommende         A. []       No recommende         A. []       No recommende         B. []       The utility         C. Consider Issua       If form is completed         Plant Conditions:       A. [         C. Airborne:       Date Start         C. Airborne:       Date Start         D. Liquid:       Date Start         D. Liquid:       Date Start         D. Miles       S         S Miles       10 Miles         EC or RM Approval Sign         Message Received By:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | None (Go to Item         ategory (at the Site E         ot available at this tir         n normal operating ii         nt Fraction of PAG F         ≥ 500 mem TEDE o         kd Protective Actions         mended actions at tir         recommends the fol         Miles       No Ac         0 - 2       -         2 - 5       -         5 - 10       -         OR       Shelter Zones /         Shelter Zones /       Evacuate Zone         nce of KI:       Yes         'in the Control Re         Reactor Shutdown?         Containment Intact?         Wind Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | b. Downwind S<br>b. Downwind S<br>sec noble gas, ≤ 4.<br>normal limits and ·<br>E)<br>ctions:<br><u>vacuate Sectors</u><br><u>vacuate Sectors</u><br><b>15.</b> If complete<br>B. Core Adequa<br>D. Core Condition<br>lity Class<br>Date S<br>Date S<br>Date S<br>Date S<br>mrem<br>mrem<br>mrem                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | C. [] Ha<br>6 E-5 Ci/sec iodine)<br>< 500 mrem TEDE an<br><u>Shelter Sectors</u><br><br>Hd in the TSC or Ed<br>titly Cooled? [] Yes<br>projected 7 [] Yes<br>-<br>Jries per second<br>titopped/<br>Projected Total Dos<br>F<br>Date://<br>Date:/_/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | s occurred, but stop<br>d 1000 mrem CDE<br>d 1000 mrem CDE<br>DF, continue with<br>DF, continue with<br>Degrading<br>Time Stoppe<br>tie (TEDE) for 1 Hox<br>mrem<br>mrem<br>mrem<br>Time:<br>Time:                                   | bped                    |
| 9.<br>10.<br>12.<br>13.<br>14. | Release Status:       A. [         Release Significance C:       A. [         Information no       B. [         Release within       C. [         Non-Significan       D. [         PAG Range (;       Information no         Information no       PAG Range (;         II.       Utility Recommende         A. [       No recommende         A. [       No recommende         B. [       The utility         C. Consider Issua       If form is completed         Plant Conditions:       A. [         C. Airborne:       Date Stand         C. Airborne:       Date Stand         D. Liquid:       Date Stand         D. Liquid:       Date Stand         Distance       1 Miles         S Miles       10 Miles         EC or RM Approval Sign         Message Received By:         ' If emergency class e: then you may go to it                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | None (Go to Item<br>ategory (at the Site E<br>ot available at this tir<br>n normal operating li<br>nt Fraction of PAG F<br>≥ 500 mrem TEDE o<br>Stormem TEDE o<br>Stormem TEDE o<br>Miles No Ac<br>0 - 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 11)       B. □         Boundary):       me.         minits (≤ 3.5 E-1 Ci/s         Range (release is >         r ≥ 1000 mrem CDI         ibis time.         llowing protective action Sectors         icion Sectors         is         / Areas:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | b. Downwind S<br>b. Downwind S<br>b. Downwind S<br>b. Downwind S<br>b. Core Adequa<br>D. Core Condition<br>b. Core Adequa<br>D. Core Condition<br>b. Core Adequa<br>D. Core Condition<br>b. Core Adequa<br>D. Core Condition<br>clinesCu<br>Date S<br>Date S<br>D | C. Ha 6 E-5 Ci/sec iodine) < 500 mrem TEDE an Sheiter Sectors ad in the TSC or E( itely Cooled? Yes n: Stable 10 c runies per second itopped / / / itopped / / / topped / / / Date: / / Date: / / form will be transmitte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | s occurred, but stop<br>d 1000 mrem CDE                                                                                                                                                                                              | bped                    |

| REVISION NO .: | PROCEDURE TITLE:                      | PAGE:    |
|----------------|---------------------------------------|----------|
| 6A             | OFF-SITE NOTIFICATIONS AND PROTECTIVE | 34 of 49 |
| PROCEDURE NO.: | ACTION RECOMMENDATIONS                | 54 01 43 |
| EPIP-08        | ST. LUCIE PLANT                       |          |

## ¶6 ATTACHMENT 1A DIRECTIONS FOR COMPLETING THE FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

(Page 1 of 7)

## ITEM ENTRY

On-line Verification - Check the appropriate boxes as the State Warning Point (Florida Division of Emergency Management) requests that St. Lucie County Department of Public Safety and the Martin County Division of Emergency Management get on the line, prior to initiating the notification. All three agencies must be notified through the SWP or alternate means.

- 1. Check appropriate box for drill or actual emergency as the case may be. During exercises, drills, or tests, each message shall be checked **THIS IS A DRILL**.
- 2A. Enter today's date.
- 2B. Enter the time (using the official time, normally synchronized with ERDADS) when contact is made with the State Warning Point or the start time of the RM PAR Briefing. For initial notification of classification, this shall be within 15 minutes of the "Emergency Declaration" time in item 5.
- 2C. Enter the name of the person making the notification call.
- 2D. Enter the message number beginning with #1 and following sequentially in all facilities (e.g., if the Control Room transmitted two messages the TSC would start with #3).
- 2E. Check the box for the facility from which the notification is being made.
- 3. <u>Site</u>

Check the box for the appropriate plant site for the emergency declaration (both St Lucie boxes might need to be checked for dual unit events such as approach of a hurricane).

## Emergency Classification Check the box corresponding to current accident classification declared.

<u>Emergency Declaration</u> or <u>Emergency Termination</u>
 Enter the date and time when the current emergency classification was declared (A) or (B) when the emergency was terminated.

| EVISION NO.:                                                                                                                        | F                                                                                                                                                 | PROCEDURE TITLE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PAGE:                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                     |                                                                                                                                                   | OFF-SITE NOTIFICATIONS AND PROTECTIVE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 35 of 49                                                                                                                                                                                 |
|                                                                                                                                     | <br>19                                                                                                                                            | ST LUCIE DI ANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                          |
|                                                                                                                                     |                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                          |
| DIRECTIO                                                                                                                            | <u>ONS FOI</u>                                                                                                                                    | ATTACHMENT 1A<br>R COMPLETING THE FLORIDA NUCLEAR PLANT<br><u>NOTIFICATION FORM</u><br>(Page 2 of 7)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EMERGENCY                                                                                                                                                                                |
| Reaso<br>Enter<br>being<br>inform<br>yet de<br>event<br>neces<br>possit<br>same<br>"*" ast<br>escala<br>State<br>lines 1<br>call by | on for En<br>the Eme<br>used at<br>nation in<br>escriptive<br>through<br>through<br>terisk and<br>ation is n<br>and Cou<br>1-6, at a<br>y stating | nergency Declaration<br>ergency Action Level (EAL) number (A) (This option is<br>Plant St. Lucie) or (B) enter wording like that found in<br>EPIP-01, Classification Of Emergencies. Wording sh<br>e enough for the off-site agencies to gain an understa<br>d be clear from the incident description which EAL has<br>he emergency declaration. Wording should be as nor<br>no acronyms or abbreviations. This information should<br>out update messages, unless there is a classification<br>d instruction provided at the bottom of form - <u>If</u> Emergency<br>eccessary due to rapidly degrading conditions, <u>Then</u> p<br>inty authorities with the initial notification information I<br>minimum, on the State Notification Form (SNF) and t<br>that a new notification form will be provided within 15 | currently not<br>the EAL<br>ould be brief<br>nding of the<br>s<br>n-technical as<br>d remain the<br>change.<br>gency Class<br>provide the<br>by transmitting<br>erminate the<br>minutes. |
| Additie<br>Check<br>or rea                                                                                                          | <u>onal Info</u><br>< "None"<br>son for u                                                                                                         | <u>rmation or Update</u><br>(A) or (B) Description and enter additional informatio<br>Ipdate here. For example:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | n, if necessary                                                                                                                                                                          |
| •                                                                                                                                   | Protecti                                                                                                                                          | ive Action Recommendations (PARs) change                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                          |
| •                                                                                                                                   | An occu<br>classific                                                                                                                              | urrence that would otherwise result in a lower emerge<br>cation, on other unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ncy                                                                                                                                                                                      |
| •                                                                                                                                   | Weathe                                                                                                                                            | er changes affecting public safety                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                          |
| •                                                                                                                                   | Radiatio                                                                                                                                          | on level changes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                          |
| •                                                                                                                                   | Loss of                                                                                                                                           | off-site power, etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                          |
|                                                                                                                                     |                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                          |

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| REVISION | NO. |
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6A

PROCEDURE NO .:

OFF-SITE NOTIFICATIONS AND PROTECTIVE

PROCEDURE TITLE:

PAGE:

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EPIP-08

## ACTION RECOMMENDATIONS ST. LUCIE PLANT

## ATTACHMENT 1A DIRECTIONS FOR COMPLETING THE FLORIDA NUCLEAR PLANT EMERGENCY NOTIFICATION FORM

(Page 3 of 7)

<u>NOTE</u>

If the Class A Model (dose projection model) is being used, a 'State Notification Form Summary Sheet' is available which provides information for items 8-11, 13 and 14. The information is in a format similar to that found on the Florida Nuclear Plant Emergency Notification Form.

## 8. <u>Weather Data</u>

Α.

 NOTE

 10 meter data should be used.

 ¶10

 Wind direction can be obtained from ERDADS by depressing the "EPIP" key, on the top row of the keyboard. The Met Tower Indicator Panel in the Unit 1 Control Room is an alternate source. If these two sources are not available, refer to Attachment 1, Meteorological Data.

- B. If the wind direction is greater than 360° the wind direction is determined by subtracting 360° from the indicated number. Wind direction should be rounded to the nearest whole number
- C. Wind direction is always given as "wind from" (an easterly wind, or wind direction 90°, means that the wind is blowing from east to west).
- D. When determining the sectors affected, the adjacent sectors on both sides of the actual downwind sector are included. Three sectors will typically be listed.
- E. If the wind is located on the edge of a sector (i.e., 11°, 33°, etc.) an additional (fourth) sector should be added.
- F. Enter the wind direction (wind from) in degrees in item "A."

in EPIP-09, Off-Site Dose Calculations.

| REVISIO | N NO.:                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                  | PROCEDU                                        |                                                     |                                            |                                      | PAGE                         |  |  |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------|--------------------------------------------|--------------------------------------|------------------------------|--|--|
| 6A      |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  | FAGE.                                          |                                                     |                                            |                                      |                              |  |  |
|         |                                                                                                                                                                                                                                    | OFF                                                                                                                                                                                                                                                                                                                              | OFF-SITE NOTIFICATIONS AND PROTECTIVE 37 of 49 |                                                     |                                            |                                      |                              |  |  |
| RUCED   |                                                                                                                                                                                                                                    | 0                                                                                                                                                                                                                                                                                                                                |                                                | ACTION F                                            |                                            | ATIONS<br>-                          |                              |  |  |
| EPIP-08 |                                                                                                                                                                                                                                    | ST. LUCIE PLANT                                                                                                                                                                                                                                                                                                                  |                                                |                                                     |                                            |                                      |                              |  |  |
| DIR     | ATTACHMENT 1A<br>DIRECTIONS FOR COMPLETING THE FLORIDA NUCLEAR PLANT EMERGENCY<br>NOTIFICATION FORM                                                                                                                                |                                                                                                                                                                                                                                                                                                                                  |                                                |                                                     |                                            |                                      |                              |  |  |
|         |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |                                                | (P                                                  | age 4 of 7)                                | <u>n</u>                             |                              |  |  |
| 8.      | (cont                                                                                                                                                                                                                              | inued)                                                                                                                                                                                                                                                                                                                           |                                                |                                                     |                                            |                                      |                              |  |  |
|         | G.                                                                                                                                                                                                                                 | Enter t                                                                                                                                                                                                                                                                                                                          | he dowi                                        | nwind sectors                                       | in item "B."                               |                                      |                              |  |  |
| Win     | d                                                                                                                                                                                                                                  | Sec                                                                                                                                                                                                                                                                                                                              | tors                                           | Wind                                                | Sectors                                    | Wind                                 | Sectors                      |  |  |
| Fror    | m                                                                                                                                                                                                                                  | Affe                                                                                                                                                                                                                                                                                                                             | cted                                           | From                                                | Affected                                   | From                                 | Affected                     |  |  |
| 348     | -11                                                                                                                                                                                                                                | HJK                                                                                                                                                                                                                                                                                                                              |                                                | 123-146                                             | PQR                                        | 236-258                              | CDE                          |  |  |
| 11-3    | 33                                                                                                                                                                                                                                 | JKL                                                                                                                                                                                                                                                                                                                              |                                                | 146-168                                             | QRA                                        | 258-281                              | DEF                          |  |  |
| 33-5    | 56                                                                                                                                                                                                                                 | KLN                                                                                                                                                                                                                                                                                                                              | 1                                              | 168-191                                             | RAB                                        | 281-303                              | EFG                          |  |  |
| 56-7    | 78                                                                                                                                                                                                                                 | LMN                                                                                                                                                                                                                                                                                                                              | 1                                              | 191-213                                             | ABC                                        | 303-326                              | FGH                          |  |  |
| 78-1    | 101                                                                                                                                                                                                                                | MNF                                                                                                                                                                                                                                                                                                                              | >                                              | 213-236                                             | BCD                                        | 326-348                              | GHJ                          |  |  |
| 101     | -123                                                                                                                                                                                                                               | NPC                                                                                                                                                                                                                                                                                                                              | 2                                              | There is <u>no</u>                                  | "O" sector                                 | There is <u>no</u> "                 | " sector                     |  |  |
|         | A.                                                                                                                                                                                                                                 | <ul> <li>A. If there are no indications of a release of radioactive material, check box "A" and go to item 11.</li> <li>A release of radioactive material (during any declared emergency) is defined as:</li> <li>Any effluent monitor increase of (approximately) 10 times or one decade above are transient voluce.</li> </ul> |                                                |                                                     |                                            |                                      |                              |  |  |
|         |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |                                                |                                                     | OR                                         |                                      |                              |  |  |
|         | <ul> <li>Health Physics detecting airborne radioactivity levels in excess of<br/>25% derived air concentration (DAC) outside of plant buildings due<br/>to failure of equipment associated with the declared emergency.</li> </ul> |                                                                                                                                                                                                                                                                                                                                  |                                                |                                                     |                                            |                                      |                              |  |  |
| E       | B.                                                                                                                                                                                                                                 | lf a rele<br>than no                                                                                                                                                                                                                                                                                                             | ase of r<br>rmal op                            | adioactive ma<br>erating limits,                    | iterial is occurri<br>check box "B."       | ng, even though                      | it may be less               |  |  |
| (       | C.                                                                                                                                                                                                                                 | lf a rele                                                                                                                                                                                                                                                                                                                        | ase has                                        | occurred but                                        | stopped, chec                              | k box "C."                           |                              |  |  |
|         |                                                                                                                                                                                                                                    | Dose A<br>The TS<br>should I                                                                                                                                                                                                                                                                                                     | ssessm<br>C Cherr<br>be conta                  | ent personnel<br>histry Supervis<br>acted for the d | in the TSC or l<br>sor, TSC HP Sເ<br>lata. | EOF will have thi<br>pervisor or EOF | s information.<br>HP Manager |  |  |
|         |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                  |                                                |                                                     |                                            |                                      |                              |  |  |

| REVISIO | ON NO.:                                                                                     |                                                                    | PROCEDURE TITLE:                                                                                                                                                                                                                                                                                                                                                                                              | PAGE:                                                                                                        |  |  |  |  |  |
|---------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| PROCE   | 6A<br>DURE NO                                                                               |                                                                    | OFF-SITE NOTIFICATIONS AND PROTECTIVE<br>ACTION RECOMMENDATIONS                                                                                                                                                                                                                                                                                                                                               | 38 of 49                                                                                                     |  |  |  |  |  |
| DI      | ATTACHMENT 1A<br>DIRECTIONS FOR COMPLETING THE FLORIDA NUCLEAR PLANT E<br>NOTIFICATION FORM |                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                              |  |  |  |  |  |
|         |                                                                                             |                                                                    | (Page 5 of 7)                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                              |  |  |  |  |  |
| 10.     | <u>Relea</u><br>Do N                                                                        | ase Sign<br>ot Cheo                                                | ificance Category<br>k Any Box in Item 10 if you Checked Box 9 "A" No                                                                                                                                                                                                                                                                                                                                         | Release                                                                                                      |  |  |  |  |  |
|         | Α.                                                                                          | lf a rel<br>availat<br>as info                                     | ease is occurring or has occurred and dose information<br>ble at the time of notification, check box "A" and follow to<br>formation becomes available.                                                                                                                                                                                                                                                        | i is not<br>up as soon                                                                                       |  |  |  |  |  |
|         | В.                                                                                          | Check<br>equal                                                     | box "B" if both noble gas and iodine release rates are to the following:                                                                                                                                                                                                                                                                                                                                      | less than or                                                                                                 |  |  |  |  |  |
|         |                                                                                             |                                                                    | Noble Gas release $\leq$ 3.5 E+5 µCi/sec (3.5 E-1 Ci/sec<br>lodine release $\leq$ 4.6 E+1 µCi/sec (4.6 E-5 Ci/sec)                                                                                                                                                                                                                                                                                            | ))                                                                                                           |  |  |  |  |  |
|         | C.                                                                                          | Check<br>values<br>500 m<br>the sta                                | box "C" if either noble gas or iodine release rates exce<br>in "B" (above) but forecasted 1 mile doses are less tha<br>rem TEDE or 1000 mrem Thyroid CDE. These doses a<br>ate's Protective Action Guide (PAG) levels.                                                                                                                                                                                        | ed the<br>an either<br>are less than                                                                         |  |  |  |  |  |
|         | D.                                                                                          | Check<br>either<br>require                                         | box "D" if forecasted 1 mile doses are greater than or 500 mrem TEDE or 1000 mrem Thyroid CDE. These F<br>e state and county action.                                                                                                                                                                                                                                                                          | equal to<br>AG levels                                                                                        |  |  |  |  |  |
| 11.     | <u>Utility</u>                                                                              | Recom                                                              | mended Protective Actions                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                              |  |  |  |  |  |
|         | Α.                                                                                          | If there                                                           | e are no Protective Action Recommendations (PARs), o                                                                                                                                                                                                                                                                                                                                                          | check Box "A."                                                                                               |  |  |  |  |  |
|         | Β.                                                                                          | If PAR<br>PARs.<br>guidar<br>Indica<br>listing<br>shall b<br>Manag | as are necessary, check Box "B". Two formats are prov<br>Use the "sector" format and determine appropriate PA<br>nee in Attachment 2 to this procedure. Copy the PARs is<br>the PARs using only the words NONE, ALL, ALL REMA<br>the letters of the sectors affected. Protective Action Re<br>be approved by the Emergency Coordinator (EC) or the<br>ger (RM). The "zone" format is for Crystal River Unit 3 | rided to record<br>ARs using the<br>nto item 11 "C."<br>NING or by<br>commendations<br>Recovery<br>use only. |  |  |  |  |  |
|         | C.                                                                                          | Check                                                              | the "Yes" box (to consider issuance of potassium iodic                                                                                                                                                                                                                                                                                                                                                        | le (KI) only if:                                                                                             |  |  |  |  |  |
|         |                                                                                             | (1)                                                                | A General Emergency has been declared                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                              |  |  |  |  |  |
|         |                                                                                             |                                                                    | AND                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                              |  |  |  |  |  |
|         |                                                                                             | (2)                                                                | A release of radioactive material is occurring.                                                                                                                                                                                                                                                                                                                                                               |                                                                                                              |  |  |  |  |  |

| ILE VISI | ON NO.:                                                                                                                                                                                         |                                      | PROCEDURE TITLE:                                                                                                                                        |                                                                                                                                                                           | PAGE:                                                           |  |  |  |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--|--|--|
|          | 64                                                                                                                                                                                              |                                      | OFF. SITE NOTIFICA                                                                                                                                      |                                                                                                                                                                           |                                                                 |  |  |  |
| PROCE    |                                                                                                                                                                                                 | 0 ·                                  | ACTION DECOMMENDATIONS 39 0                                                                                                                             |                                                                                                                                                                           |                                                                 |  |  |  |
| FROOL    |                                                                                                                                                                                                 | 0                                    | ACTION REC                                                                                                                                              |                                                                                                                                                                           |                                                                 |  |  |  |
|          | EPIP                                                                                                                                                                                            | -08                                  | ST. LU                                                                                                                                                  |                                                                                                                                                                           |                                                                 |  |  |  |
| DI       | RECT                                                                                                                                                                                            | IONS FC                              | ATTACH<br>OR COMPLETING THE F<br>NOTIFICA<br>(Page                                                                                                      | IMENT 1A<br>LORIDA NUCLEAR PLANT I<br>TION FORM<br>6 of 7)                                                                                                                | EMERGENCY                                                       |  |  |  |
| 12.      | <u>Plan</u>                                                                                                                                                                                     | t Conditio                           | ons                                                                                                                                                     |                                                                                                                                                                           |                                                                 |  |  |  |
|          | Ansv                                                                                                                                                                                            | ver the th                           | ree questions "Yes" or "I                                                                                                                               | No" by checking the appropria                                                                                                                                             | te box.                                                         |  |  |  |
|          | Α.                                                                                                                                                                                              | Is the r                             | eactor shut down?                                                                                                                                       |                                                                                                                                                                           |                                                                 |  |  |  |
|          | B.                                                                                                                                                                                              | Is the o                             | core adequately cooled?                                                                                                                                 |                                                                                                                                                                           |                                                                 |  |  |  |
|          | C.                                                                                                                                                                                              | Is the o                             | containment intact?                                                                                                                                     |                                                                                                                                                                           |                                                                 |  |  |  |
|          | Ansv<br>degra                                                                                                                                                                                   | ver the q<br>ading.                  | uestion regarding the cor                                                                                                                               | idition of the core as either sta                                                                                                                                         | ble or                                                          |  |  |  |
| 13.      | <u>Wea</u>                                                                                                                                                                                      | ther Data                            | <u>l</u>                                                                                                                                                |                                                                                                                                                                           |                                                                 |  |  |  |
|          |                                                                                                                                                                                                 |                                      | <u>NO</u><br>10 meter data s                                                                                                                            | TE<br>hould be used.                                                                                                                                                      |                                                                 |  |  |  |
|          | A.                                                                                                                                                                                              | ¶10 To<br>El<br>ke<br>is<br>At<br>Ci | emperature, wind speed a<br>RDADS by depressing th<br>eyboard. The Met Tower<br>an alternate source. If th<br>ttachment 7, Meteorologic<br>alculations. | and wind direction can be obta<br>e "EPIP" key, on the top row o<br>Indicator Panel in the Unit 1 C<br>nese two sources are not avail<br>cal Data, in EPIP-09, Off-site I | ained from<br>of the<br>Control Room<br>lable, refer to<br>Dose |  |  |  |
|          | В.                                                                                                                                                                                              | Enter v                              | vind speed in Miles Per H                                                                                                                               | lour (MPH) in item "A".                                                                                                                                                   |                                                                 |  |  |  |
|          | C. Stability Class - Enter the stability class as determined by using the figur<br>below. The figure shows the relationship between the Delta T displayed<br>by ERDADS and the stability class. |                                      |                                                                                                                                                         |                                                                                                                                                                           |                                                                 |  |  |  |
|          |                                                                                                                                                                                                 |                                      | If Delta-T is                                                                                                                                           | Then Stability Class is                                                                                                                                                   |                                                                 |  |  |  |
|          |                                                                                                                                                                                                 | Less                                 | than or equal to -1.7                                                                                                                                   | A                                                                                                                                                                         |                                                                 |  |  |  |
|          |                                                                                                                                                                                                 |                                      | -1.6 to -1.5                                                                                                                                            | В                                                                                                                                                                         |                                                                 |  |  |  |
|          |                                                                                                                                                                                                 |                                      | -1.4                                                                                                                                                    | С                                                                                                                                                                         |                                                                 |  |  |  |
|          |                                                                                                                                                                                                 |                                      | -1.3 to -0.5                                                                                                                                            | D                                                                                                                                                                         |                                                                 |  |  |  |
|          | [                                                                                                                                                                                               |                                      |                                                                                                                                                         |                                                                                                                                                                           |                                                                 |  |  |  |
|          |                                                                                                                                                                                                 |                                      | -0.4 to +1.4                                                                                                                                            | E                                                                                                                                                                         |                                                                 |  |  |  |
|          |                                                                                                                                                                                                 |                                      | -0.4 to +1.4<br>+1.5 to +3.6                                                                                                                            | E<br>F                                                                                                                                                                    |                                                                 |  |  |  |

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| <b></b> |                                                                |                                                                                                                                                                                                                                       |                                  |
|---------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| REVISI  | ON NO.:                                                        | PROCEDURE TITLE:                                                                                                                                                                                                                      | PAGE:                            |
| PROCE   | 6A<br>EDURE NO.:                                               | OFF-SITE NOTIFICATIONS AND PROTECTIVE<br>ACTION RECOMMENDATIONS                                                                                                                                                                       | 40 of 49                         |
|         | EPIP-08                                                        | ST. LUCIE PLANT                                                                                                                                                                                                                       |                                  |
| DI      | RECTIONS F                                                     | ATTACHMENT 1A<br>OR COMPLETING THE FLORIDA NUCLEAR PLANT E                                                                                                                                                                            | MERGENCY                         |
|         |                                                                | NOTIFICATION FORM<br>(Page 7 of 7)                                                                                                                                                                                                    |                                  |
| 14.     | Additional R                                                   | elease Information                                                                                                                                                                                                                    |                                  |
|         | This section                                                   | requires that a release be in progress and completed re                                                                                                                                                                               | sults of dose                    |
|         | assessment<br>dose informa                                     | be available. Check the "N/A" box if no release is occur<br>ation is not available. Otherwise, provide all information                                                                                                                | ring and/or if<br>that applies.  |
|         | A. Enter                                                       | the noble gas release rate in curies per second.                                                                                                                                                                                      |                                  |
|         | B. Enter                                                       | the iodine release rate in curies per second.                                                                                                                                                                                         |                                  |
|         | C. For a<br>termir                                             | n airborne release, enter the date and time started and w<br>nated, the date and stopped.                                                                                                                                             | /hen                             |
|         | D. For a the da                                                | liquid release, enter the date and time started and when<br>ite and time stopped.                                                                                                                                                     | terminated,                      |
|         | Projected Do<br>for 1 hour (E<br>projected To<br>Calculation V | se Information - Enter the projected Thyroid Dose (CDE<br>PIP-09, Manual Dose Calculation Worksheet, Line 5) an<br>tal Dose (TEDE) in mrem for 1 hour (EPIP-09, Manual D<br>Vorksheet, Line 16) for the site boundary 2, 5 and 10 mil | ) in mrem<br>d the<br>ose<br>es. |
| 15.     | <u>Message Re</u>                                              | ceived By                                                                                                                                                                                                                             |                                  |
| :       | Enter the name<br>receives the<br>from the Duty                | ne of the State Warning Point Duty Officer or the individu<br>notification. Enter the time at the State Warning Point (re<br>/ Officer) and indicate the date the call is completed.                                                  | ual that<br>equest it            |
|         |                                                                |                                                                                                                                                                                                                                       |                                  |
|         |                                                                | END OF ATTACHMENT 1A                                                                                                                                                                                                                  |                                  |
|         |                                                                |                                                                                                                                                                                                                                       |                                  |
|         |                                                                |                                                                                                                                                                                                                                       |                                  |
|         |                                                                |                                                                                                                                                                                                                                       |                                  |
|         |                                                                |                                                                                                                                                                                                                                       |                                  |
|         |                                                                |                                                                                                                                                                                                                                       |                                  |
|         |                                                                |                                                                                                                                                                                                                                       |                                  |
|         |                                                                |                                                                                                                                                                                                                                       |                                  |

| REVISION NO .:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PROCEDURE TITLE: P                                                                                                                                                                                                                                                         | AGE:                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| 6A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OFF-SITE NOTIFICATIONS AND PROTECTIVE                                                                                                                                                                                                                                      | 41 of 49                                     |
| PROCEDURE NO.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ACTION RECOMMENDATIONS                                                                                                                                                                                                                                                     |                                              |
| EPIP-08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ST. LUCIE PLANT                                                                                                                                                                                                                                                            |                                              |
| DETERMINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ATTACHMENT 2<br>ATION OF PROTECTIVE ACTION RECOMMENDATIONS                                                                                                                                                                                                                 | S (PARs)                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (Page 1 of 5)                                                                                                                                                                                                                                                              |                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                            |                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <u>NOTE</u>                                                                                                                                                                                                                                                                |                                              |
| • Initial r<br>plant c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | notification from the Control Room may utilize PARs based on<br>conditions.                                                                                                                                                                                                |                                              |
| Once of availab field m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | dose assessment begins, PARs should be made utilizing all<br>ble data including off-site dose projections, plant conditions and<br>onitoring data.                                                                                                                         |                                              |
| <ul> <li>Both p<br/>PARs.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | plant conditions <u>and</u> off-site doses shall be considered for                                                                                                                                                                                                         |                                              |
| The me                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ost conservative recommendations should be made.                                                                                                                                                                                                                           |                                              |
| <ul> <li>If it is a<br/>neither<br/>to mak</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | anticipated that a threshold for a PAR will be exceeded, it is<br>recessary nor desirable to wait until the threshold is exceeded<br>e that PAR.                                                                                                                           |                                              |
| • ¶ <sub>12</sub> Correction for the second sec | onditions (plant information, dose projections and field monitoring<br>sults) are to be continually assessed and PARs expanded, as<br>ecessary, to ensure that adequate (most conservative) PARs are<br>sued.                                                              | 3                                            |
| • ¶ <sub>12</sub> Pr<br>to<br>ev                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | reviously issued PARs, unless found to be less conservative, are<br>remain in effect until the threat is fully under control and the<br>rent is being de-escalated.                                                                                                        |                                              |
| • ¶ <sub>12</sub> Oi<br>te                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | nly State and County officials can implement, change and/or minate protective actions.                                                                                                                                                                                     |                                              |
| 1. PAR Flow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | chart                                                                                                                                                                                                                                                                      |                                              |
| <b>a</b> . Paf                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Rs Based on Plant Conditions                                                                                                                                                                                                                                               |                                              |
| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Begin in the upper left hand corner of the chart by answering t<br>General Emergency (GE) question.                                                                                                                                                                        | lhe                                          |
| 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Correctly answer the questions until you reach one of the boxed provides PAR information based on plant conditions.                                                                                                                                                        | es that                                      |
| 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | If there is no release, <u>Then</u> go to the PAR Worksheet and fill-in<br>based on plant conditions. The sectors affected can be detern<br>referring to number 8, Weather Data, in Attachment 1A, Direct<br>Completing the Florida Nuclear Plant Emergency Notification I | n the PARs<br>nined by<br>tions for<br>Form. |
| 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <u>If</u> a release is involved, <u>Then</u> go to Section B, PARs Based on Dose, below.                                                                                                                                                                                   | Off-site                                     |
| Form #PSL-F156                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | EPIP-08, Off-Site Notifications and Protective Action Recommendations Effective                                                                                                                                                                                            | Date 12/10/03                                |

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/R6A

| EVISION NO.:        |          |                                 | PROCED                             | DURE TITLE:                                                                                                                                                                                                                                                           | PAGE:                                   |  |
|---------------------|----------|---------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--|
| 6A<br>ROCEDURE NO.: |          |                                 | OF                                 | OFF-SITE NOTIFICATIONS AND PROTECTIVE<br>ACTION RECOMMENDATIONS                                                                                                                                                                                                       |                                         |  |
| EPIP-08             |          |                                 |                                    | ST. LUCIE PLANT                                                                                                                                                                                                                                                       |                                         |  |
| DET                 | EF       | <u>RMINA</u>                    |                                    | ATTACHMENT 2<br>OF PROTECTIVE ACTION RECOMMENDATION<br>(Page 2 of 5)                                                                                                                                                                                                  | NS (PARs)                               |  |
| 1.                  | (co      | ontinued)                       | )                                  |                                                                                                                                                                                                                                                                       |                                         |  |
|                     | •        | If the C<br>availabl<br>based o | lass A N<br>le, it sho<br>on plant | NOTE<br>Nodel printout, State Notification Form Summary Sheet is<br>build be used to compare dose-based PARs against PARs<br>conditions.                                                                                                                              | 5                                       |  |
|                     | •        | Calcula<br>when d               | ted off-s<br>etermini              | site doses should be compared to field monitoring data ing PARs.                                                                                                                                                                                                      |                                         |  |
| ľ                   | В.       | PAF                             | ls Base                            | d on Off-site Dose                                                                                                                                                                                                                                                    |                                         |  |
|                     |          | 1.                              | PAR:<br>dose<br>NOT                | s are based on the Total Effective Dose Equivalent (TED)<br>) and / or the Committed Dose Equivalent (CDE, thyroid or use dose rate values.                                                                                                                           | E or total<br>dose). Do                 |  |
|                     |          | 2.                              | <u>lf</u> usi<br>Notifi            | ng the Class A Model, <u>Then</u> in Forecast Mode, print the S<br>ication Form Summary for computer generated PARs.                                                                                                                                                  | State                                   |  |
|                     |          |                                 | a.                                 | Go to Section C, PAR Worksheet                                                                                                                                                                                                                                        |                                         |  |
|                     |          | 3.                              | <u>lf</u> usi<br>CDE               | ng EPIP-09, Off-site Dose Calculations, <u>Then</u> calculate T in accordance with the procedure.                                                                                                                                                                     | EDE and                                 |  |
|                     |          |                                 | a.                                 | Compare the TEDE dose at 1 mile with the values on the Flowchart. Enter the chart at the appropriate dose level determining if the dose is between 500 and 999 mrem of 1000 and 4999 mrem or 5000 mrem or greater.                                                    | ne<br>I by<br>or between                |  |
|                     |          |                                 | b.                                 | From the selected dose level, move to the right on the of first column, 0-2 miles. The PAR provided corresponds calculated TEDE at 1 mile.                                                                                                                            | chart to the<br>to the                  |  |
|                     |          |                                 | C.                                 | Enter the PAR in the 0-2 miles block on the TEDE DOS<br>below the PAR Flowchart. The sectors affected can be<br>determined by referring to number 8, Weather Data, in<br>Attachment 1A, Directions for Completing the Florida N<br>Plant Emergency Notification Form. | E table<br>uclear                       |  |
|                     |          |                                 | d.                                 | Continue to determine the corresponding PAR at 2-5 m the calculated 2 mile TEDE, at 5-10 miles using the calc mile TEDE and the 10 miles plus (To Be Determined (T distance) using the calculated 10 mile TEDE, as necess                                             | iles using<br>culated 5<br>BD)<br>sary. |  |
|                     |          |                                 | e.                                 | Enter the PAR information in the appropriate blocks of t DOSE table.                                                                                                                                                                                                  | he TEDE                                 |  |
| <b>Farm #D</b> (    | <u> </u> | -156                            | EPIP-                              | 08 Off-Site Notifications and Protective Action Recommendations Effective                                                                                                                                                                                             | Date 12/10/03                           |  |

| 6A<br>ROCEDURE NO.:<br>EPIP-08<br><b>DETERMINA</b><br>1. <b>B.</b> 3.<br>C. PA<br>1.<br>1.<br>2. | Cont<br>(cont<br>f.<br>g.<br>h.<br>R Works<br>Fill-ir<br>In Pa | F-SITE NOTIFICATIONS AND PROTECTIVE<br>ACTION RECOMMENDATIONS<br>ST. LUCIE PLANT<br>ATTACHMENT 2<br>DF PROTECTIVE ACTION RECOMMENDATIONS<br>(Page 3 of 5)<br>tinued)<br>Follow the same methodology for determining the PA<br>corresponding to the calculated CDE values beginnin<br>calculated value at 1 mile.<br>Enter each of the determined PARs in the CDE (Thyr<br>table below the PAR Flowchart.<br>Go to Section C, PAR Worksheet.<br>sheet<br>in the time / date and emergency class.                      | 43 of 49<br>S (PARs)<br>ARs<br>ng with the<br>roid) DOSE |  |  |  |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--|--|--|
| C. PA                                                                                            | (cont<br>f.<br>g.<br>h.<br>R Works<br>Fill-ir                  | ACTION RECOMMENDATIONS<br>ST. LUCIE PLANT<br>ATTACHMENT 2<br>OF PROTECTIVE ACTION RECOMMENDATIONS<br>(Page 3 of 5)<br>tinued)<br>Follow the same methodology for determining the PA<br>corresponding to the calculated CDE values beginnin<br>calculated value at 1 mile.<br>Enter each of the determined PARs in the CDE (Thyr<br>table below the PAR Flowchart.<br>Go to Section C, PAR Worksheet.                                                                                                                 | ARS<br>ng with the<br>roid) DOSE                         |  |  |  |
| EPIP-08<br>DETERMINA<br>1. B. 3.<br>C. PA<br>1.<br>2.                                            | (cont<br>f.<br>g.<br>h.<br>R Works<br>Fill-ir                  | ST. LUCIE PLANT<br>ATTACHMENT 2<br>DF PROTECTIVE ACTION RECOMMENDATIONS<br>(Page 3 of 5)<br>tinued)<br>Follow the same methodology for determining the PA<br>corresponding to the calculated CDE values beginnin<br>calculated value at 1 mile.<br>Enter each of the determined PARs in the CDE (Thyr<br>table below the PAR Flowchart.<br>Go to Section C, PAR Worksheet.<br>sheet<br>in the time / date and emergency class.                                                                                       | S (PARs)<br>ARs<br>ng with the<br>roid) DOSE             |  |  |  |
| DETERMINA<br>1. B. 3.<br>C. PA<br>1.<br>2.                                                       | ATION (<br>(cont<br>f.<br>g.<br>h.<br>R Works<br>Fill-ir       | ATTACHMENT 2<br>DF PROTECTIVE ACTION RECOMMENDATIONS<br>(Page 3 of 5)<br>tinued)<br>Follow the same methodology for determining the PA<br>corresponding to the calculated CDE values beginnin<br>calculated value at 1 mile.<br>Enter each of the determined PARs in the CDE (Thyr<br>table below the PAR Flowchart.<br>Go to Section C, PAR Worksheet.<br>sheet<br>in the time / date and emergency class.                                                                                                          | <u>S (PARs)</u><br>ARs<br>ng with the<br>roid) DOSE      |  |  |  |
| 1. B. 3.<br>C. PA<br>1.<br>2.                                                                    | (coni<br>f.<br>g.<br>h.<br>R Works<br>Fill-ir<br>In Pa         | tinued)<br>Follow the same methodology for determining the PA<br>corresponding to the calculated CDE values beginnin<br>calculated value at 1 mile.<br>Enter each of the determined PARs in the CDE (Thyr<br>table below the PAR Flowchart.<br>Go to Section C, PAR Worksheet.<br>sheet<br>n the time / date and emergency class.                                                                                                                                                                                    | ARs<br>ng with the<br>roid) DOSE                         |  |  |  |
| C. PA<br>1.<br>2.                                                                                | f.<br>g.<br>h.<br>R Works<br>Fill-ir<br>In Pa                  | Follow the same methodology for determining the PA<br>corresponding to the calculated CDE values beginnin<br>calculated value at 1 mile.<br>Enter each of the determined PARs in the CDE (Thyr<br>table below the PAR Flowchart.<br>Go to Section C, PAR Worksheet.<br>sheet<br>n the time / date and emergency class.                                                                                                                                                                                               | ARs<br>ng with the<br>roid) DOSE                         |  |  |  |
| C. PA<br>1.<br>2.                                                                                | <b>g.</b><br>h.<br>R Works<br>Fill-ir<br>In Pa                 | Enter each of the determined PARs in the CDE (Thyr<br>table below the PAR Flowchart.<br>Go to Section C, PAR Worksheet.<br>sheet<br>n the time / date and emergency class.                                                                                                                                                                                                                                                                                                                                           | roid) DOSE                                               |  |  |  |
| C. PA<br>1.<br>2.                                                                                | <b>h.</b><br>R Works<br>Fill-ir<br>In Pa                       | Go to Section C, PAR Worksheet.<br>sheet<br>n the time / date and emergency class.                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                          |  |  |  |
| С. РА<br>1.<br>2.                                                                                | R Works<br>Fill-ir<br>In Pa                                    | sheet<br>n the time / date and emergency class.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |  |  |  |
| 1.<br>2.                                                                                         | Fill-ir<br>In Pa                                               | n the time / date and emergency class.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |  |  |  |
| 2.                                                                                               | In Pa                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |  |  |  |
|                                                                                                  | PAR<br>is imp<br>the b<br>dista                                | In Part A, determine the most conservative PARs by comparing the<br>PARs based on plant conditions against those based on off-site dose. It<br>is important to compare PARs at each distance (0-2, 2-5, 5-10) because<br>the basis of the most conservative PAR could be different at different<br>distances.<br>Enter the most conservative PARs into the table in Part B, Protective<br>Actions Recommended by FPL. Use the word(s) NONE, ALL, ALL<br>REMAINING or list the individual affected sectors by letter. |                                                          |  |  |  |
| 3.                                                                                               | Enter<br>Actio<br>REM                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |  |  |  |
| 4.                                                                                               | Obta                                                           | Obtain review and approval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |  |  |  |
| 5.                                                                                               | Trans<br>Notifi                                                | sfer the approved PARs to the Florida Nuclear Plant Err<br>ication Form.                                                                                                                                                                                                                                                                                                                                                                                                                                             | nergency                                                 |  |  |  |
| Form #PSL-F156                                                                                   | EPIP-                                                          | 2-08, Off-Site Notifications and Protective Action Recommendations Effective                                                                                                                                                                                                                                                                                                                                                                                                                                         | ve Date 12/10/03                                         |  |  |  |

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|                            |                                                      |                                      | <u> </u>                              | DACE          |
|----------------------------|------------------------------------------------------|--------------------------------------|---------------------------------------|---------------|
| EVISION NO.:               |                                                      |                                      |                                       | PAGE:         |
|                            |                                                      |                                      |                                       | 45 of 49      |
|                            |                                                      |                                      | 5                                     |               |
|                            |                                                      |                                      |                                       |               |
| DETERMINA                  | ATT                                                  | ACHMENT 2<br>/E ACTION RECOMM        |                                       | IS (PARs)     |
|                            | (P                                                   | age 5 of 5)                          |                                       |               |
|                            | PAR W                                                | ORKSHEET                             |                                       |               |
| Time / Date                |                                                      | Emergency Class: 🛛 S                 | AE 🗆 GE                               |               |
| A. PAR Comp                | arison                                               |                                      |                                       |               |
| After compa<br>conservativ | aring the possible recomm<br>e PARs are based on: (c | nendations from the PAR<br>heck one) | s flowchart, th                       | ie most       |
|                            |                                                      | OFF-SITE DOSE                        |                                       |               |
|                            |                                                      |                                      | · · · · · · · · · · · · · · · · · · · |               |
| B. Protective              | Actions Recommended                                  | by FPL:                              |                                       |               |
| Use the foll               | owing terms in this table.                           | NONE ALL ALL REMA                    | AINING Or fill                        | in the        |
| letters of t               | ne sectors affected.                                 |                                      |                                       |               |
| [ ]                        |                                                      | EVACUATE SECTORS                     |                                       | CTOPE         |
| 0-2 miles                  | NO ACTION SECTORS                                    | EVACUATE SECTORS                     | SHELIEK SI                            | ECTORS        |
| 2-5 miles                  |                                                      |                                      |                                       |               |
| 5-10 miles                 |                                                      |                                      |                                       |               |
| 10-TBD miles*              | <u> </u>                                             |                                      |                                       |               |
|                            |                                                      |                                      |                                       |               |
| *If necessary, ad          | d to State Notification For                          | m.                                   |                                       |               |
| ····                       |                                                      |                                      |                                       |               |
| Control Room               |                                                      |                                      |                                       |               |
| Signature                  | ····                                                 |                                      |                                       |               |
|                            | Emergency Coordinator                                |                                      |                                       |               |
| <b>—</b>                   |                                                      |                                      |                                       |               |
| Technical Support          | Center                                               |                                      |                                       |               |
| Signature                  | <b></b>                                              |                                      |                                       |               |
| TSC E                      | :C Assistant / Logkeeper                             | ISC HP Supervisor or 1               | SC Chemistry S                        | upervisor     |
| Emergency Operat           | tions Facility                                       | ,,,,,,,                              |                                       |               |
| Signatura                  | <u></u>                                              |                                      |                                       |               |
| SignatureEOF RM            | OPS Advisor / Logkeeper                              | EOF HF                               | <sup>o</sup> Manager                  | <u> </u>      |
|                            |                                                      |                                      |                                       |               |
| Form #PSL-F156             | EPIP-08, Off-Site Notifications and                  | d Protective Action Recommendations  | s Effective [                         | Date 12/10/03 |
|                            |                                                      |                                      |                                       |               |
|                            | END OF A                                             | ATTACHMENT 2                         |                                       |               |

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| REVISION NO .:                                     | PROC              | EDURE TITLE                     | :                               |                                            |                                    |                    |           |                     | PAGE:                  |              |
|----------------------------------------------------|-------------------|---------------------------------|---------------------------------|--------------------------------------------|------------------------------------|--------------------|-----------|---------------------|------------------------|--------------|
| 64                                                 |                   | FF-SITE                         | NOTIF                           |                                            | NS AND                             | PROT               | ΓF        | CTIVE               |                        |              |
|                                                    | $\dashv$ ĭ        | Δ                               |                                 |                                            |                                    |                    |           | 46 of               | 49                     |              |
|                                                    |                   | 70                              |                                 |                                            |                                    |                    |           |                     |                        |              |
| EPIP-08                                            |                   |                                 | S                               |                                            | PLANT                              |                    |           |                     |                        |              |
| ¶8 <u>N</u> I                                      | RC REA            | ACTOR P                         | AT<br><u>LANT</u>               | TACHM<br>EVENT<br>Page 1 d                 | ENT 3<br>NOTIFIC<br>of 2)          | <u>ATIO</u>        | N         | WORKS               | <u>SHEET</u>           |              |
| NRC FORM 361<br>(12-2000)                          | E)                |                                 | EACTO                           |                                            |                                    | U<br>T             | J.S.      | NUCLEAR RE<br>OPERA | EGULATORY CON          | MISSI        |
| NOTIFICATION TIME                                  |                   | OR ORGANIZAT                    | ION                             |                                            | NAME OF CAL                        | LER                |           |                     | CALL BACK #            |              |
| EVENT TIME & ZONE                                  | EVENT DA          | TE                              | POV                             | VERMODE BE                                 | FORE                               |                    | P         | OWERMODE            | AFTER                  |              |
| EVENT CLAS                                         | SIFICATION        | IS                              | 1-Hr. N                         | on-Emergen                                 | cy 10 CFR 50.72                    | 2(b)(1)            |           | (v)(A) Safe         | S/D Capability         | ļ            |
| GENERAL EMERGENC                                   | Y                 | GEN/AAEC                        |                                 | TS Deviatio                                | n                                  | ADEV               | $\square$ | (v)(B) RHR          | Capability             |              |
| SITE AREA EMERGEN                                  | CY                | SIT/AAEC                        | 4-Hr. N                         | lon-Emergen                                | cy 10 CFR 50.72                    | 2(b)(2)            | $\square$ | (v)(C) Contr        | ol of Rad Release      | /            |
| ALERT                                              |                   | ALE/AAEC                        | (i)                             | TS Require                                 | d S/D                              | ASHU               | $\vdash$  | (v)(D) Accid        | ent Mitigation         | /            |
| UNUSUAL EVENT                                      | × ···             | UNU/AAEC                        | (iv)(A)                         | ECCS Disc                                  | harge to RCS                       | ACCS               | $\square$ | (xii) Offsite       |                        | A            |
|                                                    | 73 71)            |                                 | (IV)(B)                         | Offeite Moti                               | ion (scram)                        | ARPS               | μ         | (XIII) LOSS (       | onal 10 CEP 50 7       | A(<br>1/4/4/ |
|                                                    | 13.11             | B222                            | B-Hr N                          | on-Emergen                                 | V 10 CER 50 72                     |                    |           | Invalid Specifi     | ed System Actuati      |              |
| FITNESS FOR DUTY                                   |                   | HEIT                            |                                 | Degraded (                                 | Condition                          | ADEG               | 0         | ther Unspecif       | ied Requirement        | (ident       |
| OTHER UNSPECIFIED                                  | REQMT. (          | see last column                 | ) (ii)(B)                       | Unanalyzed                                 | Condition                          | AUNA               | Ť         |                     |                        | N            |
| INFORMATION ONLY                                   |                   | NNF                             | (iv)(A)                         | Specified S                                | stem Actuation                     | AESF               |           |                     |                        | N            |
|                                                    |                   |                                 |                                 |                                            |                                    |                    |           |                     |                        |              |
| NOTIFICATIONS<br>NRC RESIDENT<br>STATE(s)<br>LOCAL | YES NO            | WILL BE AN<br>NO                | YTHING U<br>T UNDERS<br>ALL SYS | NUSUAL OR<br>STOOD?<br>TEMS<br>\$ REQUIRED | □ YES (<br>? □ YES                 | Explain a          | abov      |                     | D<br>D (Explain above) |              |
| MEDIA/PRESS RELEASE                                |                   |                                 | DE OF OP<br>TIL CORRI           |                                            | ESTIMAT<br>RESTARI                 | ED<br>I DATE:      |           |                     | IONAL INFO ON I        | BACK         |
| <sup>-</sup> orm # PSL-F080                        | EPIP-08<br>and AP | 8, Off-Site Noti<br>0010721, NR | ifications<br>C Require         | and Protectived Non-Rout                   | ve Action Reco<br>ine Notification | ommend<br>is and R | atio      | ons,<br>orts        | Effective Date:        | 08/29        |

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REVISION NO.

PROCEDURE TITLE.

PAGE:

6A

PROCEDURE NO .:

EPIP-08

# OFF-SITE NOTIFICATIONS AND PROTECTIVE ACTION RECOMMENDATIONS ST. LUCIE PLANT

#### **ATTACHMENT 3 NRC REACTOR PLANT EVENT NOTIFICATION WORKSHEET** (Page 2 of 2)

RADIOLOGICAL RELEASES: CHECK OR FILL IN APPLICABLE ITEMS (specific details/explanations should be covered in event description) LIQUID RELEASE GASEOUS RELEASE UNPLANNED RELEASE PLANNED RELEASE TERMINATED ONGOING MONITORED UNMONITORED OFFSITE RELEASE T.S. EXCEEDED RM ALARMS AREAS EVACUATED PERSONNEL EXPOSED OR CONTAMINATED OFFSITE PROTECTIVE ACTIONS RECOMMENDED \*State release path in description Release Rate (Ci/sec) % T.S. LIMIT HOO GUIDE **Total Activity (Ci)** % T.S. LIMIT HOO GUIDE Noble Gas 0.1 Ci/sec 1000 Ci lodine 10 uCi/sec 0.01 Ci Particulate 1 uCi/sec 1 mCi Liquid (excluding tritium and 10 uCi/min 0.1 Ci dissolved noble gases) Liquid (tritium) 0.2 Ci/min 5 Ci **Total Activity** PLANT STACK CONDENSER/AIR EJECTOR MAIN STEAM LINE SG BLOWDOWN OTHER RAD MONITOR READINGS ALARM SETPOINTS % T.S. LIMIT (if applicable) RCS OR SG TUBE LEAKS: CHECK OR FILL IN APPLICABLE ITEMS: (specific details/explanations should be covered in event description) LOCATION OF THE LEAK (e.g., SG #, valve, pipe, etc.) LEAK RATE UNITS: gpm/gpd T.S. LIMITS SUDDEN OR LONG-TERM DEVELOPMENT LEAK START DATE TIME COOLANT ACTIVITY PRIMARY SECONDARY AND UNITS: LIST OF SAFETY RELATED EQUIPMENT NOT OPERATIONAL EVENT DESCRIPTION (Continued from front) Form # PSL-F080 EPIP-08, Off-Site Notifications and Protective Action Recommendations,

and AP 0010721, NRC Required Non-Routine Notifications and Reports

Effective Date: 08/29/03

## **END OF ATTACHMENT 3**

|   | SION NO.:                          | :                                                                                                                                                                                                          | PROCEDURE TITLE:                                                                               | PAGE:       |  |  |  |  |  |
|---|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------|--|--|--|--|--|
|   |                                    | 1                                                                                                                                                                                                          | OFF-SITE NOTIFICATIONS AND PROTECTIVE                                                          | 48 of 49    |  |  |  |  |  |
|   |                                    | NO<br>2 A2                                                                                                                                                                                                 |                                                                                                |             |  |  |  |  |  |
|   |                                    | -00                                                                                                                                                                                                        | ST. LUCIE PLANT                                                                                |             |  |  |  |  |  |
|   |                                    | ¶7 ATTACHMENT 3A<br>TIONS FOR COMPLETING THE NRC REACTOR PLA<br>EVENT NOTIFICATION WORKSHEET<br>(Page 1 of 2)                                                                                              | <u>NT</u>                                                                                      |             |  |  |  |  |  |
| • | Con                                | tact inforr                                                                                                                                                                                                | mation - to be completed following contact                                                     |             |  |  |  |  |  |
|   | 1.                                 | Name                                                                                                                                                                                                       | of the person contacting the NRC or other designated F                                         | PL contact. |  |  |  |  |  |
|   | 2.                                 | <ol> <li>NRC Contacts Name - will be provided upon contact. Also obtain the<br/>event number and notification time as received from the HOO should be<br/>recorded on the top of the worksheet.</li> </ol> |                                                                                                |             |  |  |  |  |  |
| • | Rea                                | ctor Plant                                                                                                                                                                                                 | t Event Notification Worksheet, Page 1                                                         |             |  |  |  |  |  |
|   |                                    | <u> </u>                                                                                                                                                                                                   | NOTE                                                                                           |             |  |  |  |  |  |
|   | The "EN #" is provided by the NRC. |                                                                                                                                                                                                            |                                                                                                |             |  |  |  |  |  |
|   | 1.                                 | Notification Time - enter the time contact is made.                                                                                                                                                        |                                                                                                |             |  |  |  |  |  |
|   | 2.                                 | Unit - e<br>commc                                                                                                                                                                                          | Unit - enter the appropriate unit number: Enter "0" for a classification common to both units. |             |  |  |  |  |  |
|   | 3.                                 | Callers Name - enter the name of the person making the call.                                                                                                                                               |                                                                                                |             |  |  |  |  |  |
|   | 4.                                 | Call back # - enter the number of the ENS phone that you are calling from and the commercial phone number at which you can be reached.                                                                     |                                                                                                |             |  |  |  |  |  |
|   | 5.                                 | Event time and Zone - enter the military time, the zone will be "EST" for<br>Easter Standard Time or "EDT" for Eastern Daylight-savings Time.                                                              |                                                                                                |             |  |  |  |  |  |
|   | 6.                                 | Event D                                                                                                                                                                                                    | Date - enter the date the event is occurring.                                                  |             |  |  |  |  |  |
|   | 7.                                 | 7. Power / Mode Before & Power / Mode After - enter the power in percent<br>and the mode number (1-6) before and after the event.                                                                          |                                                                                                |             |  |  |  |  |  |
|   | Abbr<br>use (                      | eviations<br>only.                                                                                                                                                                                         | <u>NOTE</u><br>/ acronyms (e.g., UNU / AAEC, SIT / AAEC, etc.) are for                         | NRC         |  |  |  |  |  |
|   | 8.                                 | Event C                                                                                                                                                                                                    | lassifications - check one of the four blocks for General                                      |             |  |  |  |  |  |

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| REVISI         | ON NO.:      |                               | PROCEDURE TITLE:                                                                                                                          | PAGE:                                                              |  |  |
|----------------|--------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--|--|
|                | 6A           |                               | OFF-SITE NOTIFICATIONS AND PROT                                                                                                           |                                                                    |  |  |
| PROCEDURE NO.: |              |                               | ACTION RECOMMENDATIONS 4                                                                                                                  |                                                                    |  |  |
|                | FPIP-        | -08                           | ST LUCIE PLANT                                                                                                                            |                                                                    |  |  |
| 6              | (000         | DIREC                         | ¶7 ATTACHMENT 3A<br>TIONS FOR COMPLETING THE NRC REA<br>EVENT NOTIFICATION WORKSHEI<br>(Page 2 of 2)                                      | ACTOR PLANT<br>ET                                                  |  |  |
| υ.             |              |                               | NOTE                                                                                                                                      |                                                                    |  |  |
|                |              | No                            | other blocks in the upper half of the form are                                                                                            | e required.                                                        |  |  |
|                | 9.           | Descri                        | otion - provide a written description of the e                                                                                            | vent.                                                              |  |  |
|                | Cheo<br>cond | ck the bl                     | <u>NOTE</u><br>ocks in the lower portion of the form based o                                                                              | on current                                                         |  |  |
|                | 10.          | Mode                          | of operation until corrected - provided if kno                                                                                            | wn.                                                                |  |  |
|                | 11.          | Estima                        | te for restart date - enter "unknown".                                                                                                    |                                                                    |  |  |
|                | 12.          | Additio                       | nal info on Page 2 - enter yes or no.                                                                                                     |                                                                    |  |  |
| C.             | Read         | ctor Plan                     | Event Notification Worksheet, Page 2                                                                                                      |                                                                    |  |  |
|                | 1.           | Fill in a<br>do not<br>be gai | s much of the information on the form as is<br>create undue delay in making the notificatio<br>red once the open line of communication is | immediately available -<br>n. This information can<br>established. |  |  |
| D.             | Appr         | oval                          |                                                                                                                                           |                                                                    |  |  |
|                | 1.           | Inform<br>the EC              | ation entered on the worksheet shall be revi<br>or RM (if used in the EOF), prior to transmi                                              | ewed and approved by ssion.                                        |  |  |
|                | 2.           | The E<br>no forr              | C / RM may initial on the worksheet to indicated and sign-off location on the worksheet.                                                  | ite approval. There is                                             |  |  |
|                |              |                               | END OF ATTACHMENT 3A                                                                                                                      |                                                                    |  |  |
|                |              |                               |                                                                                                                                           |                                                                    |  |  |

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