Florida Power & Light Company, 6501 South Ocean Drive, Jensen Beach, FL 34957



August 8, 2002

L-2002-145 10 CFR 50 Appendix E

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

Re: St. Lucie Units 1 and 2 Docket Nos. 50-335 and 50-389 Emergency Plan Implementing Procedures

In accordance with 10 CFR 50 Appendix E, enclosed is a copy of the revised implementing procedures for the St. Lucie Plant Radiological Emergency Plan:

Number	<u>Title</u>	Revision	Implementation Date
EPIP-13	Maintaining Emergency Preparedness - Emergency Exercises, Drills, Tests and Evaluations	7	July 16, 2002
HP-90	Emergency Equipment	41	July 23, 2002

EPIP-13 Revision 7 revised the following: 1) added a step to forward critique items to the St. Lucie Plant Training Manager via a plant manager action item (PMAI); 2) added steps to ensure drill exercise scope and duration adequate to meet each participating agency objectives; and 3) made editorial and administrative changes. HP-90 Revision 41 added instructions to affix seals to the latching mechanism upon completion of the inventory.

Please contact us if there are any questions regarding these procedures.

Very truly yours,

Donald E. Jernigan Vice President St. Lucie Plant

DEJ/tlt

Enclosures

P045

FPL

## ST. LUCIE PLANT

### EMERGENCY PLAN IMPLEMENTING PROCEDURE

SAFFTY RELATED

Procedure No.

EPIP-13

Current Revision No.

7

Effective Date 07/16/02

Title:

### MAINTAINING EMERGENCY PREPAREDNESS -EMERGENCY EXERCISES, DRILLS, TESTS AND EVALUATIONS

Responsible Department: EMERGENCY PLANNING

#### **REVISION SUMMARY:**

**Revision 7** – Added step to forward critique items to TRNG MGR via PMAI, added steps to ensure drill exercise scope and duration adequate to meet each participating agency objectives and made editorial / administrative changes. (J. R. Walker, 06/28/02)

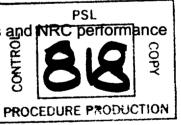
**Revision 6 - THIS PROCEDURE HAS BEEN COMPLETELY REWRITTEN**. Reformatted program maintenance checklists. Changed frequency of facility surveillances. Made administrative/editorial changes. (R. Walker, 09/27/01)

**Revision 5** - Added quarterly test for ERDS link and reference to Generic Letter #GL 93-01. (J. R. Walker, 12/07/00)

AND

Deleted reference to PSL policy PSL-110, revised FRG review of EPIPs, changed the symbol of response to CR00-0544 from regulatory commitment to mgmt directive and added EPIP-08 to the list of EPIPs. (J. R. Walker, 10/13/00)

Revision 4 - Added staff augmentation program maintenance items and NRC performance indicator tracker. (D. Calabrese, 04/27/00)



Revision 0	FRG Review Date 12/15/97	Approved By J. Scarola	Approval Date 12/15/97	DATE	OPS
		Plant General Manager		DOCT	PROCEDURE
Revision 7	FRG Review Date 06/27/02	Approved By Dick Rose	Approval Date 06/28/02	DOCN SYS	EPIP-13
		Plant General Manager N/A		COM ITM	COMPLETED
		Designated Approver N/A			_
		Designated Approver (Minor Correction)			

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			ST. LUCIE PLANT	<u> </u>					
.0	PURPOSE								
.1	This procedure provides instructions for:								
	1.	emerg	lic exercises and drills conducted in order to test the sta ency preparedness by FPL personnel, support organiz e governmental agencies.						
	2.	Planning ergency Plan lity,							
2.0	RE	FERENC	ES / RECORDS REQUIRED / COMMITMENT DOCUM	IENTS					
		· · · · · · · · · · · · · · · · · · ·	NOTE						
	On		of the following symbols may be used in this procedure:						
	§ Indicates a Regulatory commitment made by Technical Specifications Condition of License, Audit, LER, Bulletin, Operating Experience, etc. shall NOT be revised without Facility Review Group review and Plant General Manager approval.								
	R	Indicates a management directive, vendor recommendation, plant practice or other non-regulatory commitment that should NOT be revised without consultation with the plant staff.							
	Ψ	Indicate	s a step that requires a sign off on an attachment.						
2.1	Re	ferences							
	٠	§1	St. Lucie Plant Radiological Emergency Plan (E-Plan)						
	•	¶1 (	QI 1-PR/PSL-1, Site Organization						
	•	¶2	QI-1-PSL-15, Protection Services Organization						
			QI-5-PSL-1, Preparation, Revision, Review/Approval of	Procedures					
			QI-17-PSL-1, Quality Assurance Records						
	٠		NPS-EP-WP-001, Public Alert and Notification System tenance and Engineering	Testing,					
	٠		-25.02, NRC Performance Indicators						
1									

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				L				
2.2	Reco	rds Red						
	•		The following records are maintained in accordance with QI-17-PSL-1, Quality Assurance Records:	I				
	•	Data	Sheet 1, Quarterly EP Maintenance Checklist					
	•	Data	Sheet 2, Emergency Plan 6 Year Element Demonstratio	n				
	•	Data	Sheet 3, EPIP Biennial Review					
	•	Data	Sheet 4, EP Annual Exercise Checklist					
	•	Attac	achment 1, EP Program Maintenance Checklist					
2.3	Com	mitmen	t Documents					
	•		10 CFR 50, Domestic Licensing of Production and Utilization Facilities					
	<ul> <li>§5 Generic Letter #GL 93-01, Emergency Response Data System Te Program</li> </ul>							
	•	¶5	PMAI #96-02-237, Evaluation of Continuous Emergency	Response				
	•	§3	NOV Response L-97-20, Violation II. A, Part 4.D.	esponse L-97-20, Violation II. A, Part 4.D.				
	•	¶6	CR 00-0544, QA Audit (Ineffective Corrective Actions) C	SL-EP-00-02				
	•	¶7	Quality Assurance Audit Report, QSL-EP-02-02, Improvement Item (Forward Critique Reports to Site Training Manager)					
	•		PMAI PM02-03-001 (Adequacy of Drill / Exercise Scope Duration)	and				

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	EMERGENCY EXERCISES, DRILLS,	5 of 21				
3	TESTS AND EVALUATIONS					
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ONSIB						
1 The Protection Services Manager is responsible for:						
	ng, scheduling, and coordinating emergency exercises agencies.	involving				
Reviev comple	wing Attachment 1, EP Program Maintenance Checklist etion.	, upon				
Reviev	wing results of exercises and major drills.					
espons	tection Services Manager, in conjunction with plant main ble for ensuring that adequate resources are made avain and conduct emergency preparedness activities includi	ailable to				
Exerci	ise and drill scenario development and control					
Exerci	se and drill participation					
Suppo	ort for maintenance of emergency facilities and equipme	ent				
he Fac	cility Review Group (FRG) is responsible to review the f	ollowing:				
Revisi	ons to the St. Lucie Plant Radiological Emergency Plan	nt Radiological Emergency Plan.				
	ions to Emergency Plan Implementing Procedures (EPI ninor changes.	to Emergency Plan Implementing Procedures (EPIPs) other r changes.				
Bienn	ial Exercise Critique Report.					
merge	ncy Preparedness (EP) Supervisor is responsible for:					
Mainta	aining awareness of EP activities.					
Ensur proce	ing coordination of EP drills and exercises in accordance dure.	e with this				
Ensuring documentation of EP program maintenance in Attachment 1, EP Maintenance Checklist.						
Ensur Data	ring documentation of major element demonstration as Sheet 2, Emergency Plan 6 Year Element Demonstratio	indicated on on.				
	EP M Ensui	Ensuring documentation of EP program maintenance in Attac EP Maintenance Checklist. Ensuring documentation of major element demonstration as i Data Sheet 2, Emergency Plan 6 Year Element Demonstratio				

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The I	Emerger	ncy P	reparedness (EP) Supervisor is responsible for: (c	continued)			
5.	docum	nente	d, and that deficiencies are addressed in accordant	conducted, nce with plant			
	А.	¶7	Drill and exercise critiques should be forwarded, review by the Site Training Manager for needed of training courses or materials.	via PMAI, for changes to			
	В.	rgency Response Facility (ERF) managers and / o ossible correction to open performance discrepan	or supervisors				
6.		suring that EPIPs are reviewed through feedback from the following urces:					
	Α.	Daily	y use				
	В.	Drills	s and exercises				
	C.	Actu	ual events				
	D.	Trai	ning				
	Е.			PIP Biennial			
7.	Ensu	ring b	iennial review of the Recovery Plan.				
	7 DURE NO EPIP- The I 5.	7         DURE NO.:         EPIP-13         The Emergen         5.       Ensur         docum         A.         B.         6.       Ensur         A.         B.         C.         D.         E.	7       MA         DURE NO.:       EPIP-13         The Emergency P       5.         5.       Ensuring cr         documente corrective a         A.       ¶7         B.       Drill Emergency P         6.       Ensuring the sources:         A.       ¶2         6.       Ensuring the sources:         A.       Daily         B.       Drill         C.       Actu D.         D.       Trai E.	7       MAINTAINING EMERGENCY PREPAREDNESS - EMERGENCY EXERCISES, DRILLS, TESTS AND EVALUATIONS ST. LUCIE PLANT         The Emergency Preparedness (EP) Supervisor is responsible for: (or 6. Ensuring critiques of exercises, drills, and actual events are or documented, and that deficiencies are addressed in accordan corrective action practices.         A.       ¶7         Drill and exercise critiques should be forwarded, review by the Site Training Manager for needed or training courses or materials.         B.       Drill and exercise critiques should be forwarded to the Emergency Response Facility (ERF) managers and / or for possible correction to open performance discrepand deemed appropriate by the EP Supervisor.         6.       Ensuring that EPIPs are reviewed through feedback from the sources:         A.       Daily use         B.       Drills and exercises         C.       Actual events         D.       Training         E.       Biennial EPIP review as indicated on Data Sheet 3, E Review			

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4.0	DEFINITIONS								
4.1	<b>Annual</b> - Annual is defined as once per calendar year (January 1 through December 31).								
4.2	Bienr	nial - Bie	ennial is defined as once per two calendar years.						
4.3	Drill								
	1.	use of Comm equipn	nunications Tests and Drills - Communications tests involve the emergency communications equipment to verify operability. nunications drills involve use of emergency communications nent to notify and transfer simulated emergency information to off- overnmental agencies.						
	2.	by tha are co	h Physics Drills - Health Physics drills test various tasks employed at department during an emergency condition. Health Physics drills anducted semi-annually and one of the semi-annual drills may be avorated into the radiological monitoring drill.						
	3.	simula plant f suppo tested	ical Emergency Drill - A medical emergency drill involves a lated contaminated individual, with provisions for activation of the t First Aid/Personnel Decontamination Team. Participation by local oort services (i.e., ambulance and off-site medical treatment facility) is ed separately once per year or as part of the annual medical drill. ical Emergency Drills are conducted at least once every calendar						
	4.	collect under off-site	<b>Iogical Monitoring Drill</b> - Radiological monitoring drill tion and analysis of air samples, testing of communicat standing of messages between Health Physics supervi e monitoring teams. A radiological monitoring drill will t st once every calendar year.	ions, and sion and the					
	5.	variou coordi action involv Techr Emerg (ENC year a One c	gency Response Facility (ERF) Drill - An ERF Drill de is emergency response capabilities including managen ination of emergency response, accident assessment, a decision-making, and plant system repair and correcti- ing all or certain Emergency Response Facilities [Cont- nical Support Center (TSC), Operational Support Center gency Operations Facility (EOF), and/or Emergency Ne )]. These drills are conducted at least four (4) times per and should be conducted approximately once each call of these drills is designed to satisfy the requirements of fined below.	nent and protective ve action rol Room, er (OSC), ews Center er calendar endar quarter.					

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#### **4.3 Drill** (continued)

#### 5. Emergency Response Facility (ERF) Drill - (continued)

Non-exercise drills provide an opportunity to consider accident management strategies. Supervised instruction can be permitted for these drills, with operating staff having the opportunity to resolve problems (success paths) rather than have controllers intervene. Additionally, non-exercise drills may focus on on-site training objectives.

- **4.4 Exercise** An exercise is an event that tests the integrated capability of a major portion of the basic elements existing within the St. Lucie Plant Radiological Emergency Plan. An exercise is required biennially per 10 CFR 50. Off-site agency participation is required biennially. Exercises are developed, scheduled, and conducted in a manner consistent with the regulations and guidance of 10 CFR 50 Appendix E, NUREG 0654, and other appropriate regulatory documents. Biennial exercises involving off-site agencies shall be conducted as a Site Area Emergency and should escalate to General Emergency. The exercise scenarios are varied such that all major elements of the Plan are tested at least every six (6) years.
- **4.5** Letter of Agreement (LOA) Support or assistance from outside agencies is established and maintained through Letters of Agreement or, in some instances, purchase orders/contracts.

Letters of Agreement are confirmed annually through correspondence, direct contact, or by telephone. Each agreement is renewed at least every three (3) years. Purchase orders/contracts are renewed as required.

- **4.6 Monthly** Monthly is defined as at least once each calendar month, being the first day of each month until the last unless otherwise specified.
- **4.7 Quarterly** Quarterly is defined as once per calendar quarter, with the quarters being January through March, April through June, July through September and October through December.
- **4.8 Semi-annual** Semi-annual is defined as twice per calendar year, with one time from January 1 to June 30 and one from July 1 to December 31.

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5.0	INST	RUCTIC	ONS	<b>1</b> ,				
5.1	Protection Services Manager Instructions							
	1.			mpleted documentation of Attachment 1, EP Proc e Schedule, on an annual basis.	gram			
	2.	ENSU made interes	SURE that State and County Emergency Management officials are de aware of non-emergency events that have a potential for media erest.					
		Α.	INFO	RM Emergency Preparedness (EP) of event				
		В.	VERIFY that EP has informed appropriate Emergency Management officials.					
	3.	§1 ENSURE that State and County Emergency Management officials are made aware of the following on an annual basis:						
		Α.	Signif	ficant changes to the Emergency Plan/EPIPs.				
		В.	Emergency Action Levels (EALs)					
	4.		INTAIN awareness of the status of the Alert and Notification System NS) operability.					
		Α.	ENS	URE that degradations of the ANS are promptly a	ddressed.			
			1.	The Manager, Nuclear Plant Support Services to maintain operability of the ANS per NBS-NP Alert and Notification System Testing, Maintena Engineering.	S-EP-WP-001,			
	5.	§1	ENS	URE the following is performed in support of exer	cises:			
	А.		<ul> <li>SCHEDULE a date for the exercise in coordination with the primary State and County emergency response agencies.</li> </ul>					
		В.		VIDE the opportunity for State and County respond Inticipate in an exercise.	nse agencies			
	С.		110	ENSURE that annual exercise scenarios addres objectives of each participating agency.	s the			

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5.1 Protection Services Manager Instructions (continued)							
	5.	ENSU	RE the following is performed in support of exercises: (continued)				
				COORDINATE FPL efforts with other participating personnel, rganizations, and agencies.			
	1. <u>If</u> the Federal Emergency Management Agency evaluating State and County emergency respon ENSURE that the exercise scenario is develope timeframes specified by the regulations, as define Sheet 4, EP Annual Exercise Checklist.				nse, <u>Then</u> ed within the		
E. Di m			DISCUSS <u>a</u> managemei	and EVALUATE annual exercise performant nt, FPL controller/evaluators and principal	nce with plant participants.		

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#### **END OF SECTION 5.1**

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5.2	Eme	rgency F	Prepa	redness Supervisor		
	1.	At the	begir	nning of each calendar year:		l
		<b>A</b> .	REV Che	IEW the items on Attachment 1, EP Program Mair cklist <u>and</u> ESTABLISH a working schedule.	ntenance	
	2.			awareness of status of completion of Attachment ce Checklist.	1, EP Program	
		Α.	Res may or te	ponse actions performed as part of actual plant en be CREDITED as completing one or more of the t ests:	nergencies following drills	/R7
			•	integrated facility activation drill		
			•	call out phone test/drill		
			•	HP drill		
			•	off-site agency communications		/R7
			•	medical drill		
		В.	Activ CRE	vities incorporated within a multiple scope drill or e EDITED as completing a drill or test, for example:	xercise may be	Ŕ
			•	HP drill, medical drill, off-site communications, o	etc.	<u>ک</u>
		С.	¶6	Off Hours Augmentation including:		
			•	weekly tests of automated recall system		
			•	quarterly off-hours phone test (at least one per manual)	year should be	
			•	monthly review of Emergency Response Direct	ory	
			•	quarterly verification of Emergency Response I	Directory data	
			•	quarterly verification of Emergency Response I distribution list	Directory	
			•	quarterly publication and distribution of Emerge Directory	ency Response	
				Directory		

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5.2	Emer	gency F	Preparedness Supervisor (continued)	
	<b>2.</b> (cont		nued)	
		D.	NRC Performance Indicators	
			PREPARE and SUBMIT in accordance with AD	M-25.02
	3.		IRE completion of the items on Data Sheet 1, Quarterly enance Checklist.	EP
	4.		IRE the completion of the items on Data Sheet 2, Emerg r Element Demonstration.	jency Plan
	5.	ENSU Reviev	IRE the completion of the items on Data Sheet 3, EPIP w.	Biennial
	6.		JRE the completion of the items on Data Sheet 4, EP Ar ise Checklist.	nual
	7.		EW annual drill and exercise program with state and cousentatives.	unty
	8.		ENSURE the scope and duration of annual exercise is a neet objectives of each participating off-site agency.	idequate to
			END OF SECTION 5.2	

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	7 PROCEDURE NO.: EPIP-13		MAINTAINING EMERGENCY PREPARED EMERGENCY EXERCISES, DRILLS TESTS AND EVALUATIONS ST. LUCIE PLANT		13 of 21
			ATTACHMENT 1 EP PROGRAM MAINTENANCE CHECKLI (Page 1 of 3)	<u>ST</u>	
				(YEAF	R)
Sem	ii-Ann	ual/Annua	I/Biennial EP Maintenance Items:	<u>INITIA</u>	L / DATE
§1	1.	HP Drill (	Semi-Annual)		
		A. (Jan	Jun) Date//		
		B. (Jul-	Dec) Date//		_/
§1	2.	Radiolog	ical Monitoring Drill (Annual)		
		A. Date	1		_/
<b>§</b> 1,2	3.	Biennial	Exercise (Include Data Sheet 4, EP Exercise (	Checklist)	I
		A. Date	/		_/
		B. FEM	A Evaluated (Even Years Only) Yes / No	<u></u>	_/
§1	4.	Annual C	offsite Agencies Communications Drill		
		A. Date	//		_/
§1	5.	Annual L	Inannounced Communications Drill		
		A. Date	//		_/
<mark>§</mark> 1	6.	Annual N	fedical Drill		
		A. Date	//		_/
					S_OPS
				DOCN	CHECKLIST EPIP-13 COMPLETED

EPIP-13       TESTS AND EVALUATIONS ST. LUCIE PLANT         ATTACHMENT 1 EP PROGRAM MAINTENANCE CHECKLIST (Page 2 of 3)         (YEAR)	EMERGENCY EXERCISES, DRILLS, TESTS AND EVALUATIONS ST. LUCIE PLANT       14 of 21         ATTACHMENT 1 EP PROGRAM MAINTENANCE CHECKLIST (Page 2 of 3)       (YEAR)         al/Biennial EP Maintenance Items (continued):       INITIAL / DATE         al/Biennial EP Maintenance Items (continued):       INITIAL / DATE         hcy Plan Review:       _/         ergency Plan Review (Annual)       _/         press of Agreement Certification (Annual firmation/Triennial Renewal)       _/         P Review (Even years only)       _/         ude Data Sheet 3, EPIP Biennial Review)       _/         ay (Annual)	REVIS	SION NO	.:	PROCEDURE TITLE:		PAGE:
ATTACHMENT 1 EP PROGRAM MAINTENANCE CHECKLIST (Page 2 of 3)         (YEAR)	ATTACHMENT 1 EP PROGRAM MAINTENANCE CHECKLIST (Page 2 of 3) (YEAR) al/Biennial EP Maintenance Items (continued): INITIAL / DATE hcy Plan Review: argency Plan Review (Annual) ers of Agreement Certification (Annual firmation/Triennial Renewal) P Review (Even years only) lude Data Sheet 3, EPIP Biennial Review) ay (Annual) formation Brochure (Annual) mand update Six Year Plan (Annual) Data Sheet 2, Emergency Plan 6 Year Element tration) mt Emergency Plan/EPIP Changes, Emergency evels (EALs) Meeting with State/County ncy Management (Annual) Training (Annual)	PROC			EMERGENCY EXERCISES, DRILLS, TESTS AND EVALUATIONS	ESS -	14 of 21
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Semi-Annual/Annual/Biennial EP Maintenance Items (continued):       INITIAL / DAT         §1       7. Emergency Plan Review:	al/Biennial EP Maintenance Items (continued):       INITIAL / DATE         incy Plan Review:       /         ergency Plan Review (Annual)       /         ergency Plan Review (Annual)       /         ers of Agreement Certification (Annual firmation/Triennial Renewal)       /         P Review (Even years only)       /         ude Data Sheet 3, EPIP Biennial Review)       /         ay (Annual)       /         and update Six Year Plan (Annual)       /         Data Sheet 2, Emergency Plan 6 Year Element tration)       /				EP PROGRAM MAINTENANCE CHECKLIS	<u>5T</u>	
§1       7. Emergency Plan Review:       ////	Incy Plan Review:       /         ergency Plan Review (Annual)       /         ers of Agreement Certification (Annual firmation/Triennial Renewal)       /         P Review (Even years only)       /         ude Data Sheet 3, EPIP Biennial Review)       /         ay (Annual)       /         offormation Brochure (Annual)       /         Data Sheet 2, Emergency Plan (Annual)       /         Data Sheet 2, Emergency Plan 6 Year Element tration)       /					(YEAF	R)
A. Emergency Plan Review (Annual)      /	ergency Plan Review (Annual)	<u>Serr</u>	ni-Ann	ual/Annua	I/Biennial EP Maintenance Items (continued):	<u>INITIA</u>	<u>L / DATE</u>
<ul> <li>B. Letters of Agreement Certification (Annual Confirmation/Triennial Renewal)/</li> <li>C. EPIP Review (Even years only) (Include Data Sheet 3, EPIP Biennial Review)/</li> <li>§1 8. Media Day (Annual)/</li> <li>§1 9. Public Information Brochure (Annual)</li> <li>§1 10. Review and update Six Year Plan (Annual) (Include Data Sheet 2, Emergency Plan 6 Year Element Demonstration)</li> <li>§1 11. Significant Emergency Plan/EPIP Changes, Emergency Action Levels (EALs) Meeting with State/County Emergency Management (Annual)</li></ul>	ers of Agreement Certification (Annual firmation/Triennial Renewal)/ P Review (Even years only) lude Data Sheet 3, EPIP Biennial Review)/ ay (Annual)/ ay (Annual)/ formation Brochure (Annual)/ and update Six Year Plan (Annual) Data Sheet 2, Emergency Plan 6 Year Element tration)/ Int Emergency Plan/EPIP Changes, Emergency evels (EALs) Meeting with State/County ncy Management (Annual)/ Training (Annual)/	§1	7.	Emergen	cy Plan Review:		_/
Confirmation/Triennial Renewal)      /	firmation/Triennial Renewal)/ P Review (Even years only) Jude Data Sheet 3, EPIP Biennial Review)/ ay (Annual)/ ay (Annual)/ formation Brochure (Annual)/ and update Six Year Plan (Annual) Data Sheet 2, Emergency Plan 6 Year Element tration)/ ant Emergency Plan/EPIP Changes, Emergency evels (EALs) Meeting with State/County ncy Management (Annual)/ Training (Annual)/			A. Eme	rgency Plan Review (Annual)		/
(Include Data Sheet 3, EPIP Biennial Review)      /	Iude Data Sheet 3, EPIP Biennial Review)      /						_!
<ul> <li>§1 9. Public Information Brochure (Annual)/</li> <li>§1 10. Review and update Six Year Plan (Annual) (Include Data Sheet 2, Emergency Plan 6 Year Element Demonstration)/</li> <li>§1 11. Significant Emergency Plan/EPIP Changes, Emergency Action Levels (EALs) Meeting with State/County Emergency Management (Annual)/</li> <li>§1 12. Hospital Training (Annual)/</li> <li>§1 13. Off-site Training (Annual)/</li> </ul>	Information Brochure (Annual)       /         and update Six Year Plan (Annual)       /         Data Sheet 2, Emergency Plan 6 Year Element       /         Int Emergency Plan/EPIP Changes, Emergency       /         Int Emergency Plan/EPIP Changes, Emergency          Int Emergency Plan/EPIP Changes, Emergency						_/
<ul> <li>§1 10. Review and update Six Year Plan (Annual) (Include Data Sheet 2, Emergency Plan 6 Year Element Demonstration)</li> <li>§1 11. Significant Emergency Plan/EPIP Changes, Emergency Action Levels (EALs) Meeting with State/County Emergency Management (Annual)</li> <li>§1 12. Hospital Training (Annual)</li> <li>§1 13. Off-site Training (Annual)</li> </ul>	and update Six Year Plan (Annual) Data Sheet 2, Emergency Plan 6 Year Element tration)  Int Emergency Plan/EPIP Changes, Emergency evels (EALs) Meeting with State/County ncy Management (Annual)  Training (Annual)  Training (Annual) /	§1	8.	Media Da	ay (Annual)		_1
<ul> <li>(Include Data Sheet 2, Emergency Plan 6 Year Element Demonstration)</li> <li>§1 11. Significant Emergency Plan/EPIP Changes, Emergency Action Levels (EALs) Meeting with State/County Emergency Management (Annual)</li> <li>§1 12. Hospital Training (Annual)</li> <li>§1 13. Off-site Training (Annual)</li> </ul>	Data Sheet 2, Emergency Plan 6 Year Element tration)      /         Int Emergency Plan/EPIP Changes, Emergency evels (EALs) Meeting with State/County ncy Management (Annual)      /         Training (Annual)      /         Training (Annual)      /         Training (Annual)      /	<b>§</b> ₁	9.	Public In	formation Brochure (Annual)	<u> </u>	_/
Action Levels (EALs) Meeting with State/County Emergency Management (Annual)/ §1 12. Hospital Training (Annual)/ §1 13. Off-site Training (Annual)/	evels (EALs) Meeting with State/County ncy Management (Annual)/ Training (Annual)/ Training (Annual)/	<b>§</b> 1	10.	(include	Data Sheet 2, Emergency Plan 6 Year Element	t	_1
§ <sub>1</sub> 13. Off-site Training (Annual)	Training (Annual)	§1	11.	Action Le	evels (EALs) Meeting with State/County		_1
	· · · · · · · · · · · · · · · · · · ·	<b>§</b> ₁	12.	Hospital	Training (Annual)		_/
14. Recovery Plan Review (Biennial)	y Plan Review (Biennial)/	§1	13.	Off-site	Fraining (Annual)		_/
			14.	Recover	y Plan Review (Biennial)	<u></u>	_/

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		(Page 3 of 3)	<u>, , , , , , , , , , , , , , , , , , , </u>	
			(YEAF	R)
<u>Semi-Ann</u>	ual/Annua	I/Biennial EP Maintenance Items (continued):	<u>INITIA</u>	<u>L / DATE</u>
15.	Annual tr	aining review of ERO		
		it verification of annual ERO training completion the Training Department.	ר 	_/
	B. Revi any l	ew training completion feedback and remove ERO members not qualified.		_/
<u>Quarterly</u> Quarterly	EP Mainte EP Mainte	enance Items (complete Data Sheet 1 enance Checklist for each of the following):		
1.	Quarter 7	1		_/
2.	Quarter 2	2		_/
3.	Quarter 3	3		_/
4.	Quarter 4	4	<u> </u>	_/
	Complete	ed by Emergency Preparedness Supervisor		
	Reviewe	d by Protection Services Manager		
		END OF ATTACHMENT 1		

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			DATA SHEET 1 QUARTERLY EP MAINTENANCE CHECKLIS (Page 1 of 2)	<u>ST</u>	
			QUARTER	(YEAF	२)
				<u>INITIA</u>	L / DATE
1.	Eme	ergency Re	esponse Facility Surveillance:	. <u></u>	_/
			Date		
	Α.	TSC			
		§ <sub>1</sub> 1.	Monthly Communications Survey		
			Dates:		
	В.	OSC			
	С.	EOF			
2.			Augmentation Methodologies:		
2.		Off-Hours A	Augmentation Methodologies:		_/
2.	¶6 C	Off-Hours A Weekly t (Autodia	Augmentation Methodologies:		_1
2.	¶6 C	Off-Hours A Weekly t (Autodia Dates: _	Augmentation Methodologies: test of automated emergency recall system ler).		_!
2.	¶ <sub>6</sub> C	Off-Hours A Weekly t (Autodia Dates: _ Monthly	Augmentation Methodologies: test of automated emergency recall system ler).		_/
2.	¶ <sub>6</sub> C	Off-Hours A Weekly t (Autodia Dates: Monthly Dates:	Augmentation Methodologies: test of automated emergency recall system ler).		_/
2.	¶6 C A. B.	Off-Hours A Weekly t (Autodia Dates: Monthly Dates: Quarterly Data. Quarterl	Augmentation Methodologies: test of automated emergency recall system ler). review of Emergency Response Directory.		_/
2.	¶ <sub>6</sub> C A. B.	Off-Hours A Weekly t (Autodia Dates: Monthly Dates: Quarterly Data. Quarterly Respons	Augmentation Methodologies: test of automated emergency recall system ler). review of Emergency Response Directory. y verification of Emergency Response Directory y verification of Distribution List for Emergency		
3.	¶ <sub>6</sub> C A. B. C. D.	Off-Hours A Weekly t (Autodia Dates: Monthly Dates: Quarterly Data. Quarterly Respons Quarterl	Augmentation Methodologies: test of automated emergency recall system ler). review of Emergency Response Directory. y verification of Emergency Response Directory y verification of Distribution List for Emergency se Directory.		

KEVIS	ION NO	·	PROCEDURE TITLE:		
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			ST. LUCIE PLANT		
			DATA SHEET 1 QUARTERLY EP MAINTENANCE CHECH (Page 2 of 2)	<u>KLIST</u>	
			QUARTER	(YEAF	ג)
4.	Qua	rterly Off-I	Hours Call-Out Phone Test	<u>INITIA</u>	<u>L / DATE</u>
		Drill Date	9		_/
5.	Qua	rterly Self	Assessment		_/
6.	Qua	rterly subr	mittal of EP Performance Indicators		_/
	Α.	Participa	tion		
	Β.	Drill & Ex	kercise Performance		
	C.	Alert & N	Iotification System		
7.	<b>§</b> 5		y test of the NRC Emergency Response stem (ERDS) link.	. <u> </u>	_/
NOT	TES:				
			END OF DATA SHEET 1		

SION NO.: 7 CEDURE NO.: EPIP-13	TEST	MERGENCY F NCY EXERCIS S AND EVALU ST. LUCIE PLA	ES, DRILLS, ATIONS	ESS -	PAGE: 18 of 2		
EME	DATA SHEET 2 EMERGENCY PLAN 6 YEAR ELEMENT DEMONSTRATION (Page 1 of 1)						
	YEAR						
El	ement	Year Last Performed	Year Next Scheduled	Date	Completed/ Initial		
Off hours staffing	g (6 P.M 4 A.M.)						
Activation of Em Center	ergency News						
Use of fire contro	ol teams						
Use of medical s	support personnel						
Use of Security prompt access to equipment or su	o emergency						
Use of one or m backup commur notification							
Field monitoring							
Capability for de magnitude and i particular compo							
Capability for po sampling and ar	ost-accident coolant nalysis						
Assembly and a	ccountability						
	blanning activities						

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#### END OF DATA SHEET 2

ROCEDURE NO.: EPIP-13		EMERGENCY EXERCISES, DRILLS, TESTS AND EVALUATIONS ST. LUCIE PLANT			19 of 2 <sup>-</sup>	
		DATA SHEET <u>EPIP BIENNIAL RE</u> (Page 1 of 2)				
				(YEAF	R)	
Emerge	ncy Pla	an Implementing Procedures (Bie	ennial)			
			Revision No.	Da Revie		PCI Y /
EPIP-00	Emerg	very and Identification of an gency Condition (including Chemical nd Natural Emergencies)	I,			
EPIP-01	Class	ification of Emergencies				
EPIP-02		s and Responsibilities of the gency Coordinator				
EPIP-03		gency Response Organization cation/Staff Augmentation				
EPIP-04		ation and Operation of the Technical ort Center				
EPIP-05		ation and Operation of the ational Support Center				
EPIP-06		ation and Operation of the gency Operations Facility				
EPIP-07	Cond	uct of Evacuations/Assembly				
EPIP-08		te Notifications and Protective Action mmendations	n			
EPIP-09	Offsit	e Dose Calculations				<b> </b>
EPIP-10	Off-S	ite Radiological Monitoring				
EPIP-11	Core	Damage Assessment				
EPIP-12		aining Emergency Preparedness - blogical Emergency Plan Training				
EPIP-13	Emer	taining Emergency Preparedness - gency Exercises, Drills, Tests and lations				
HP-90	Emer	gency Equipment				
HP-200		mergency Organization				
HP-201	Emei	rgency Personnel Exposure Control				

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		DATA SHEET <u>EPIP BIENNIAL RE</u> (Page 2 of 2)	VIEW				
				(YEAF	۹)		
. Emergen	icy Pla	an Implementing Procedures (Bie	ennial) (continu	ed)			
			Revision No.	Dat Revie		PCR Y / N	
HP-202		onmental Monitoring During gencies					
HP-203		onnel Access Control During gencies					
HP-204		ant Radiation and Contamination eys during Emergencies					
HP-205	Emer	gency Inplant Air Sampling					
HP-206	Analy Sam	vsis of Emergency Inplant Air bles					
HP-207		toring Evacuated Personnel During gencies					
HP-208		onnel Decontamination During rgencies					
COP-06.06	Guid Sam	elines for Collecting Post Accident ples					
COP-06.11	Estal Anal	olishing Remote Laboratory for ysis of Accident Samples					

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END OF DATA SHEET 3

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		ST. LUCIE PLANT		
		DATA SHEET 4 EP EXERCISE CHECKLIST (Page 1 of 1)		
		YE	AR	
Exercise	Items:		<u>INITIA</u>	<u>L / DATE</u>
1.	Exercise	Date Selection:		
	A. Evalu	uated Date//		_/
2.	ERO Par	ticipant Notification		_/
3.	Scenario	Development Personnel Assigned		_/
4.	Controlle	rs/Evaluators Assigned		_/
5.	Exercise	Objectives		
	A. Prote	ection Services Manager Approval		_/
		nitted to Licensing Day NRC Submittal, Even years only)		_/
6.	Exercise	Scenario		
		ided to Florida DEM Day FEMA Submittal, Even years only)		_/
		nitted to Licensing Day NRC Submittal, Even years only)		_/
7.	Post Exe	ercise Critique Date://		
§ <sub>1</sub> 8.	Facility F	Review Group (FRG) Critique Report Review	<del></del>	_!
		END OF DATA SHEET 4		



# ST. LUCIE PLANT

**HEALTH PHYSICS** 

PROCEDURE

SAFETY RELATED

Procedure No.

HP-90

Current Revision No.

41

Effective Date 07/23/02

PROCEDURE PRODUCTION

Title:

## EMERGENCY EQUIPMENT

Responsible Department: HEALTH PHYSICS

#### **REVISION SUMMARY:**

**Revision 41** – Added instructions to affix seal upon completion of inventory. (Don Reisinger, 07/11/02)

**Revision 40** - Added instructions for operational check of Ludlum Model 2200. (Bruce Somers, 05/09/02)

**Revision 39** - Changed Section 4.2 from month to quarter and added AMS-2/3 to inventory. (Donald Reisinger, 03/28/02)

**Revision 38** - Changed to reflect moving of emergency monitoring kits from SAS to OSC area in SSB. (Don Reisinger, 11/12/01)

**Revision 37** - Deleted references to STA, revised TSC commo survey referent to EPIP-13, revised replacement time for failed major equipment within the OCA to 24 hours, made editorial changes, and revised attachments / forms from HP-206 to be included in e-kits. (J. R. Walker, 12/07/00)

**Revision 36** - Added check of fax machines and copy machines and deleted unnecessary letter references to specific copies of ERD. (Steve Knapp, 10/28/99)

**Revision 35** - Revised references to delete C-111 and added COP-06.11. Revised text and checklists to delete C-111 and added COP-06.11. Updated EP Supervisor information. Made administrative changes. (Rick Walker, 06/30/99)

Revision 0	FRG Review Date 06/24/75	Approved By K.N. Harris	Approval Date 09/11/75	S_ DATE	_OPS
	· · · · · · · · · · · · · · · · · · ·	Plant General Manager		DOCT	PROCEDUR
Revision 41	FRG Review Date 07/11/02	Approved By Dick Rose	Approval Date 07/11/02	DOCN SYS	HP-90
	<u></u>	Plant General Manager N/A		COM ITM	COMPLETED 41
		Designated Approver N/A		P	SL
		Designated Approver (Minor Correction)		2	
<u></u>			CO	V	

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PROCE	EDURE NO.:		4 01 59		
	HP-90	ST. LUCIE PLANT			
1.0	TITLE				
	EMERGENC	YEQUIPMENT			
2.0	<b>REVIEW AN</b>	D APPROVAL			
	See cover sh	neet.			
3.0	PURPOSE				
3.1	This procedu maintenance	re gives the instructions to be used when conducting in of HP Emergency Kits.	ventories and		
4.0	PRECAUTIC	ONS AND LIMITATIONS			
4.1		tion is authorized only if the substituted item is compara the original equipment.	able /		
4.2	All emergency equipment shall be checked and inventoried once each quarter and within five (5) working days following each use.				
4.3	Items found in Emergency Kits which do not appear on the inventory sheets shall be removed and relocated in accordance with the instructions of a Health Physics Supervisor. This does not apply at hospitals, where FPL and non-FPL supplies may be co-located in accordance with hospital staff preferences.				
4.4	In years end evaluated with the second secon	ing in zero (0) or five (5), all inventoried equipment shou th respect to age, wear and need for replacement or up	uld be grade.		
4.5	Kit check so the kit TLDs	urces used to test instrument operability should NOT be	e stored near		
4.6		gnated zeolite cartridges may be properly stored for a p he date of manufacture.	eriod of five		
4.7	Electronic Personnel Dosimeters (EPD) stored in the Control Rooms and offsite monitoring team kits shall be programmed to:				
	1. Displa	ay both Dose and Dose Rate.			
	2. Activa	ate by pushing the pushbutton.			
	3. Alarn	n on a dose of 4.5R and a Dose Rate of 10R/hr.			

EVISIC	DN NO.:	PROCEDURE TITLE:	PAGE:
BOCE	41	EMERGENCY EQUIPMENT	5 of 59
ROOL	HP-90	ST. LUCIE PLANT	
l.8	contai	notified by Emergency Planning that a revision to a pro ned in the HP Emergency Kits has been issued, HP sho dure with the new revision within five (5) working days.	ocedure ould update the
1.9	accordance v	pirators in the Emergency Kits shall be visually inspecte with the requirements of HPP-62, Inspection and Mainte Protection Equipment.	d in enance of
1.10	to the latching	ing Team Kits, Attachment 5 Inventory Form, shall have g mechanism upon completion of the inventory to expe ne field in case of emergency.	e seals affixed diate the team
5.0	RELATED S	YSTEM STATUS	
6.0	REFERENCI	ES	
	One or more	<b><u>NOTE</u></b> of the following symbols may be used in this procedure	e:
	Condition shall NO	a Regulatory commitment made by Technical Specifica of License, Audit, LER, Bulletin, Operating Experience I be revised without Facility Review Group review and Manager approval.	e, etc. and
	or other r	a management directive, vendor recommendation, pla non-regulatory commitment that should NOT be revised ion with the plant staff.	nt practice without
	Ψ Indicates	a step that requires a sign off on an attachment.	
6.1	St. Lucie Pla	nt Radiological Emergency Plan (E-Plan)	
6.2	E-Plan Imple	ementing Procedures (EPIP 00-13)	
6.3	St. Lucie Pla	ant Emergency Response Directory (ERD)	
6.4	Florida Powe	er & Light Company, St. Lucie Plant Recovery Plan	
6.5	HPP-62, "In:	spection and Maintenance of Respiratory Protection Eq	uipment."
6.6	HPP-70, "Pe	ersonnel Contamination Monitoring and Decontamination	on Procedure."
6.7		dentification and Reporting of Radiological Events."	

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<ul> <li>6.9 COP-06.06, "Guidelines for Collecting Post Accident Samples."</li> <li>6.10 COP-06.11, "Establishing Remote Laboratory for Analyses of Accident Samples."</li> <li>6.11 OP 1-0010125, "Schedule of Periodic Tests, Checks and Calibrations."</li> <li>6.12 OP 2-0010125, "Schedule of Periodic Tests, Checks and Calibrations."</li> <li>6.13 NRC Generic Letter 91-14, Emergency Telecommunications.</li> <li>6.14 NRC Administrative Letter 94-04, Change of the NRC Operations Center Commercial Telephone and Facsimile Numbers.</li> <li>6.15 OSHA 1926.404(b)(iii), Assured Equipment Grounding Conductor Program</li> <li>6.16 ¶<sub>1</sub> PMAI number PM 97-04-006, EPIP Updates in HP EKits</li> <li>6.17 ¶<sub>2</sub> PMAI number PM 97-04-147, Shaving Supplies in HP EKits</li> <li>6.18 ¶<sub>3</sub> PMAI number PM 97-07-142, First-aid Kit in Site Assembly Station</li> <li>6.19 ¶<sub>4</sub> PMAI number PM 99-09-076, Fax and Copy Machine Tests</li> <li>6.20 Calibration, Operation, and Operational Check of the Eberline Models AMS AMS-3 Air Monitoring Systems</li> <li>6.21 ¶<sub>5</sub> PMAI number PM02-04-034, Seals on Kits</li> <li>7.0 RECORDS REQUIRED</li> </ul>	
<ul> <li>6.10 COP-06.11, "Establishing Remote Laboratory for Analyses of Accident Sar</li> <li>6.11 OP 1-0010125, "Schedule of Periodic Tests, Checks and Calibrations."</li> <li>6.12 OP 2-0010125, "Schedule of Periodic Tests, Checks and Calibrations."</li> <li>6.13 NRC Generic Letter 91-14, Emergency Telecommunications.</li> <li>6.14 NRC Administrative Letter 94-04, Change of the NRC Operations Center Commercial Telephone and Facsimile Numbers.</li> <li>6.15 OSHA 1926.404(b)(iii), Assured Equipment Grounding Conductor Program</li> <li>6.16 ¶<sub>1</sub> PMAI number PM 97-04-006, EPIP Updates in HP EKits</li> <li>6.17 ¶<sub>2</sub> PMAI number PM 97-04-147, Shaving Supplies in HP EKits</li> <li>6.18 ¶<sub>3</sub> PMAI number PM 97-07-142, First-aid Kit in Site Assembly Station</li> <li>6.19 ¶<sub>4</sub> PMAI number PM 99-09-076, Fax and Copy Machine Tests</li> <li>6.20 Calibration, Operation, and Operational Check of the Eberline Models AMS AMS-3 Air Monitoring Systems</li> <li>6.21 ¶<sub>5</sub> PMAI number PM02-04-034, Seals on Kits</li> <li>7.0 RECORDS REQUIRED</li> </ul>	
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AMS-3 Air Monitoring Systems 6.21 ¶ <sub>5</sub> PMAI number PM02-04-034, Seals on Kits 7.0 RECORDS REQUIRED	
7.0 RECORDS REQUIRED	S-2 and
7.1 Inventory sheets for each of the locations listed in 8.2 below (HP-90) - Atta #1-7 shall be maintained in the plant files in accordance with QI-17-PSL-1 Assurance Records."	chments "Quality

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RUCE	HP-9		ST. LUCIE PLANT	
3.0	INST	RUCTIONS		
3.1	Prior	to conductin	g inventories of the kits:	
	1.	Ascertain t	he current revision number of Emergency Plar	nning documents.
		A. Con	tact the Nuclear Records Vault for 1, 2 and 3 I	below.
			ess the Controlled Electronic Procedure Index all other documents (4-10 below).	(in Lotus Notes)
	availa	lesignating th able, shall co cable.	nat full sets of EPIPs and / or HP-200 series pro Intain all the procedures in Table 1 and / or Table	cedures are le 2, as
		1.	St. Lucie Plant Radiological Emergency Pla	an (E-Plan)
		2.	St. Lucie Plant Emergency Response Direc	ctory (ERD)
		3.	Florida Power & Light Company, St. Lucie Plan	Plant Recovery
		4.	EPIPs (see Table 1)	
		5.	HP-200 Series (see Table 2)	
		6.	HPP-70, "Personnel Contamination Monito HPP-70.1, Personnel Skin and Clothing Co Report)	ring," (Form ontamination
		7.	HP-90, "Emergency Equipment"	
		8.	HPP-101, "Identification and Reporting of F Events," (Form HPP-101.1, Radiological E	Radiological vent Report)
		9.	COP-06.06, "Guidelines for Collecting Pos	t Accident Samples
		10.	COP-06.11, "Establishing Remote Laborat Accident Samples."	ory for Analyses of
		The	e procedure distribution is listed on the invento	ry sheet.
	2.	Contact E available t	mergency Planning to determine if any proced to be added to the emergency kits.	ure revisions are
	3.	Contact L	and Utilization to arrange for access to the Em OF), if necessary (i.e., not on the access list).	ergency Operation

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8.2	Inver appro	ntory all i opriate ir	tems, verifying that the proper supplies are present. Us overtory list.	se the	
	1.	Attach Kit	ment 1 - Unit 1 Control Room / Technical Support Cent	er Emergency	
	2.	Attach	ment 2 - Unit 2 Control Room Emergency Kit		
	3.	Attach	ment 3 - Operational Support Center Emergency Kit		
	4.	Attach	ment 4 - Site Assembly Station Emergency Kit		
	5.		ment 5 - Field Monitoring Team Emergency Kit (comple ment for each kit)	ete 1	
	6.	Attach	ment 6 - Emergency Operations Facility Emergency Kir	t	
	7.	Attach hospit	ment 7 - Hospital Emergency Kit (complete one attach al)	ment for each	
8.3	Any be u	ny equipment which is out of calibration, fails the operability check, or ap e unusable shall be replaced.			
	1.	An <u>as</u> equipi follow	<u>terisk</u> designates a major piece of equipment. If a major ment is found to be deficient, the equipment must be re s:	or piece of placed as	
		А.	For Emergency Kits located within the Owner Controlle 24 hours.	ed Area - within	
		В.	For Emergency Kits located outside the Owner Contro within 48 hours.	lled Area -	
8.4	less thar	than tha	f non-asterisked inventory items may be exceeded, but it indicated on the attachment. An item found to be in a ed on the attachment shall be replenished by the time o	quantity less	
8.5			rability checks of instruments in accordance with Apper nstructions.	ndix A,	

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8.6	Verify that dosimetry is current.					
			NOTE			
			Not all dosimetry is required in each Emergency Kit.			
	1.	Direct (6) mc	Reading Dosimeter (DRD). DRDs are calibrated every onths.	y six		
		Α.	0-500 mR			
		В.	0-5 R			
		<b>C</b> .	0-20 R			
		D.	0-100 R			
	<b>2</b> .	Electro	onic Personal Dosimeter (EPD)			
		Α.	Alarm Setpoint, Dose: 4.5 R			
		В.	Alarm Setpoint, Dose Rate: 10 R/hr			
	3.		noluminescent Dosimeter (TLD). TLDs are changed ou i-annual basis.	ut in the kits on		
		Α.	Whole Body			
		В.	Extremity			
		C.	Finger Rings			
8.7	Veri <sup>.</sup> and	fy that re Mainten	espirators are visually inspected as prescribed in HPP-0 ance of Respiratory Protection Equipment.	62, Inspection		
8.8	Verify that silver zeolite cartridges are current. Inform the Health Physics Technical Supervisor when the posted shelf life of the cartridges is within three (3) months of expiring.					
8.9			ords stored in the Emergency Kits shall be tested or repsion cords after use.	placed with		
	1.	A test	ling device is available in each kit which has extension	cords.		
	2.	Reco exten failure	rd test results or cord replacement in the "Remarks" se sion cords passed; one extension cord replacement du e).	ection (e.g., all ue to test		

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						<u> </u>
	are exe Spare i	mpt from thi nstruments a	s instruction be	cause they requi backups should	ne dual channel an re re-chargeable b one of these instru	atteries.
8.10	Verify tl and equ	hat there is a uipment req	a sufficient sup uiring batteries	oply of spare batt	eries available for	all instruments
	<b>1.</b> F	Replace any he end of th	v battery or pac ne current quar	kage of batteries ter) or exceeds i	s which is approac ts expiration date	hing (prior to or shelf life.
	2. f	Every first a equipment f	nd third quarte or signs of dete	r, inspect batterie erioration or leak	es in all instrumen s and replace, as	ts and necessary.
8.11	Verify t replace	hat the proc procedure	edures contair with a <b>control</b>	ned in the kit are <b>led copy</b> of the c	the current revisio current revision.	ns, if not,
8.12	Perform monthly test of communications equipment with state and local governments and the NRC in accordance with Appendix B, Instructions for Testing Emergency Communications Equipment.				ocal ons for Testing	
8.13	Comple	ete the inver	ntory form as f	ollows:		
		marking "Pa	results of the ass" or "Fail" or in the "Remai	n the appropriate	s of the kit instrun attachment. Rec	nents by ord any
		against the form. Reco	"Minimum Qua rd the "As Fou	antity" requireme	quipment should t nts as listed on the either "Pass" or "F	e inventory
		Review all o "Available" section.	locuments, pro or "Unavailable	ocedures, and log e". Record any d	gs and show whet liscrepancy in the	her they are "Remarks"
		Indicate the on the appr section.	e results of the opriate attachr	communications nent. Record an	tests by marking y discrepancy in t	'Pass" or "Fail' he "Remarks"
	5.		letion of the in	ventory, close ar	nd lock the kit and ntoried by" and "D	sign and date

41       EMERGENCY EQUIPMENT       11 of 59         PROCEDURE NO::       ST. LUCIE PLANT       11 of 59         8.13       Complete the inventory form as follows: (continued)       6.       After completing a satisfactory inventory of the Field Monitoring Team Kits, Attachment 5, install a seal on each kit in such a manner that the kit cannot be opened without breaking the seal.       8.14       A copy of each completed inventory (attachment) is required.         1.       Conspicuously post the copy of the inventory on the front of the Emergency Kit for ready reference by the next user of the kit.       2.       Provide the original to an HP Supervisor for review.					PAGE:
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		3.	-		nergency
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	E	TABLE 1           MERGENCY PLAN IMPLEMENTING PROCEDURES           (Page 1 of 1)	
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EPIP-01	Cla	ssification of Emergencies	
EPIP-02	Dut	ies and Responsibilities of the Emergency Coordinator	
EPIP-03	Em	ergency Response Organization Notification / Staff Aug	mentation
EPIP-04	Acti	ivation and Operation of the Technical Support Center	
EPIP-05	Acti	ivation and Operation of the Operational Support Cente	r
EPIP-06	Acti	ivation and Operation of the Emergency Operations Fac	cility
EPIP-07	Cor	nduct of Evacuations / Assembly	
EPIP-08	Off-	site Notifications and Protective Action Recommendation	ons
EPIP-09	Off-	site Dose Calculations	
EPIP-10	Off	-site Radiological Monitoring	
EPIP-11	Cor	re Damage Assessment	
EPIP-12		intaining Emergency Preparedness - Radiological Eme ining	rgency Plan
EPIP-13		intaining Emergency Preparedness - Emergency Exercests and Evaluations	ises, Drills,
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		TABLE 2HP-200 SERIES PROCEDURES(Page 1 of 1)	
HP-200	Hea	Ith Physics Emergency Organization	
HP-201	Eme	ergency Personnel Exposure Control	
HP-202	Env	ironmental Monitoring During Emergencies	
HP-203	Per	sonnel Access Control During Emergencies	
HP-204	In-F	Plant Radiation and Contamination Surveys During Emo	ergencies
HP-205	Em	ergency In-Plant Air Sampling	
HP-206	Ana	lysis of Emergency In-Plant Air Samples	
HP-207	Мо	nitoring Evacuated Personnel During Emergencies	
HP-208	Per	sonnel Decontamination During Emergencies	

REVISION NO.:			PROCEDURE TITLE:		PAGE:	
41			EMERGENCY EQUIPMENT		14 of 59	
					14 01 33	
HP-90			ST. LUCIE PLANT			
	<u>UNI</u>	T 1 CONTR	ATTACHMENT 1 OL ROOM / TECHNICAL SUPPORT C (Page 1 of 4)	<u>ENTER EMER</u>	<u>GENCY KIT</u>	
		Inspe	NOTE Inspect all batteries during first and third quarter inventories.			
			INSTRUMENTS	Pa	ass Fail	
*	1.	Portable Dose	Rate Instrument (> 5 R/hr)			
		Model No.:	Serial No.: Calib. Due Date	e:		
			bility check in accordance with Appendix A			
<b>_</b>			t Data (Friday) Instrument			
•	2.		t Rate (Frisker) Instrument Serial No.: Calib. Due Dat			
	<b></b>	Model No.:		e		
		Perform operability check in accordance with Appendix A				
*	3.	Portable Coun				
		Model No.:	Serial No.: Calib. Due Dat	ie:		
		Perform opera	bility check in accordance with Appendix A			
*	4.	4. Dual Channel Analyzer or Single Channel Analyzer				
		Model No.:	Serial No.: Calib. Due Dat	te:		
		Perform opera				
	5.	Continuous Ai				
		Model No.:	Serial No.: Calib. Due Dat	te:		
		Perform opera	bility check in accordance with Appendix A			
			DOSIMETRY		imum As** antity Found	
*	1.	TLD, Whole B	Rody Semi-annual:		53	
*	2.	TLD, Finger R	Ring Semi-annual:		16	
*	3.	TLD, Multibad	lge Semi-annual:		50	
*	4.	DRD, 0-500 n	nR Calib. Due Date:		50	
*	5.	DRD, 0-5R	Calib. Due Date:		10	
*	6.	DRD, 0-100R	Calib. Due Date:		5	
***	7.	Electronic Do			10	

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Major Equipment Codes: P=Pass, F=Fail, R=See Remarks Alarm Setpoint: Dose - 4.5R; Dose Rate 10R/hr. \*\*\*

SION N	NO.:	PROCEDURE TITLE:	1	PAGE:
	41	EMERGENCY EQUIPMENT		15 of 59
CEDUF	RE NO.:			10 01 00
Н	IP-90	ST. LUCIE PLANT		
UN	IT 1 CONTR	ATTACHMENT 1 ROL ROOM / TECHNICAL SUPPORT CEN (Page 2 of 4)	ITER EMERG	ENCY KIT
	Insp	NOTE ect all batteries during first and third quarter	inventories.	
		DRESS-OUT SUPPLIES	Minimum Quantity	As** Found
1.	Coveralis		20	
2.	Cloth Hood		20	
3.	Cotton Liners	s (pr.)	20	
<b>4</b> .	Rubber Glov	es (pr.)	20	
5.	Surgical Glov	ves (pr.)	20	
6.	Rubber Shoe	e Covers (pr.)	20	
7.	Plastic Booti		20	
8.	T-Cuts (pr.)		20	
0.				
9.	Whirl-Pack		50	

EVISION NO	<b>D</b> .:	PROCEDURE TITLE:	PAGE	
	41	EMERGENCY EQUIPMENT	16	6 of 59
ROCEDURE	P-90	ST. LUCIE PLANT		
		ATTACHMENT 1		
UNIT	<u>ſ1CONTR</u>	COL ROOM / TECHNICAL SUPPORT CENTER EM (Page 3 of 4)	ERGENC	<u>Y KIT</u>
	Insp	NOTE ect all batteries during first and third quarter inventori	es	
		OTHER EQUIPMENT	Minimum Quantity	As** Found
1.	SCBA		5	
2.	Air Sample	r Model No.: Serial No.: Calib. Due Date:	1	
3.	Silver Zeoli	ite Cartridges Exp. Date:	5	
4.	Particulate	Filters	6	
5.		s (labeled Air Sample Data)	6	
6.	Full-Face F	Respirator (perform visual inspection, update card)	8	
7.	Charcoal C		16	
8.	Dosimeter	Charger	2	
9.	Contamina	tion Smears and Envelopes / Folders	500	
10.	Radiation E	Barrier Tape / Rope / Ribbon	N/A	
11.	Radiation S	Sign and Assorted Inserts	5	
12.	Step-off Pa	ads	10	_ 
13.	Poly Bags	(yellow)	10	
14.	Extension (	Cord (HD)	3	
15.	Extension	Cord Adapter - White	3	l
16.	Extension	Cord Adapter - Red	3	L
17.			20	L
18.	Batteries - number, av	complete set of replacement batteries, both type and vailable for all equipment requiring batteries; check shelf life.	N/A	
19.	Telephone	Headset	1	ſ

PROCEDURE TITLE: EMERGENCY EQ ST. LUCIE F ATTACHMEN ROL ROOM / TECHNICAL SUI (Page 4 of	PLANT IT 1 PPORT CENTER EM		17 of 59
ST. LUCIE F ATTACHMEN ROL ROOM / TECHNICAL SU	PLANT IT 1 PPORT CENTER EM		7 of 59
ATTACHMEN ROL ROOM / TECHNICAL SUI	IT 1 PORT CENTER EM		<u> </u>
ATTACHMEN ROL ROOM / TECHNICAL SUI	IT 1 PPORT CENTER EM		
ROL ROOM / TECHNICAL SUI	PORT CENTER EM	EDCEN	
(Page 4 of	<b>4</b> \	ERGEN	<u>CY KIT</u>
	4)		
NOTE		<u> </u>	
spect all batteries during first and	third quarter inventorie	es.	
DOCUMENTS, PROCEDURES, LO	GS	Avail.	Unavail.
cy Plan (check for current revision)			
) (check for current revisions)			
esponse Directory (check for current re	vision)		
for current revision)			
s (full set) (check for current revisions)			·
chments 1, 2, 3 and Forms HP-206.1 a for current revision)	nd HP-206.2 (10 copies		
heck for current revision)			
	alyses of Accident		
osure Summary Report			
Rad Survey Maps (10 copies)			_
oor Plan Maps with Index for Rad Surve	y (full set)		
ng Maps			
Pass, F=Fail, R=See Remarks		<u></u>	
	Reviewed by:		
	Date:		
	spect all batteries during first and DOCUMENTS, PROCEDURES, LOO hey Plan (check for current revision) t) (check for current revisions) esponse Directory (check for current revisions) s (full set) (check for current revisions) chments 1, 2, 3 and Forms HP-206.1 and for current revision) check for current revision) Establishing Remote Laboratory for Ana eck for current revision) bosure Summary Report in Rad Survey Maps (10 copies) oor Plan Maps with Index for Rad Surve ing Maps pment Pass, F=Fail, R=See Remarks	spect all batteries during first and third quarter inventories DOCUMENTS, PROCEDURES, LOGS acy Plan (check for current revision) t) (check for current revisions) esponse Directory (check for current revision) for current revision) s (full set) (check for current revisions) chments 1, 2, 3 and Forms HP-206.1 and HP-206.2 (10 copies for current revision) Establishing Remote Laboratory for Analyses of Accident eck for current revision) posure Summary Report n Rad Survey Maps (10 copies) cor Plan Maps with Index for Rad Survey (full set) ing Maps pment Pass, F=Fail, R=See Remarks Reviewed by:	spect all batteries during first and third quarter inventories.         DOCUMENTS, PROCEDURES, LOGS       Avail.         icy Plan (check for current revision)       Image: constraint of the end of

ISION NO.	: P	ROCEDURE TITLE:			PAGE:	
4		EMERGE			40	
					18 (	of 59
HP		ST.	LUCIE PLANT			
		UNIT 2 CONTROL	CHMENT 2 ROOM EMERGENCY P Ige 1 of 4)	<u> </u>		
	Inspec	-	NOTE Tirst and third quarter inv	entories.		
		INSTRUMENTS	<u> </u>	Pas	s	Fail
1. P	ortable Dose F	Rate Instrument (> 5 R/hr)				
	odel No.:	Serial No.:	Calib. Due Date:			<u></u>
		ility check in accordance				
2. P	ortable Count	Rate (Frisker) Instrument				
M	odel No.:	Serial No.:	Calib. Due Date:			
P	erform operab	ility check in accordance	with Appendix A			
3 P	ortable Count	Rate (Frisker) Instrument				
	odel No.:	Serial No.:	Calib. Due Date:	-		
		ility check in accordance	with Appendix A	-		
4. D	ual Channel A	Analyzer or Single Channe	el Analyzer	-		
	odel No.:	Serial No.:	Calib. Due Date:			
P	erform operab	pility check in accordance	with Appendix A			
		DOSIMETRY		Mini <del>n</del> Quar		As** Found
1. T	LD, Whole Bo	ody Semi-annua	al:	10	>	
	LD, Finger Ri	and the second s	al:	12	2	
	LD, Multibadg		al:	50	5	
	RD, 0-500 ml		Date:	1(	)	
5. C	RD, 0-5R	Calib. Due I	Date:	1(	)	
6. C	RD, 0-100R	Calib. Due l	Date:	5		
7. E	lectronic Dos	imeter Calib. Due	Date:	1(	оС	

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Major Equipment Codes: P=Pass, F=Fail, R=See Remarks Alarm Setpoints: Dose - 4.5R; Dose Rate 10R/hr. \*\*\*

				PAGE:
ION NO				FAGE.
4		EMERGENCY EQUIPM	ENI	19 of 59
EDURE				
	-90	ST. LUCIE PLANT		
		ATTACHMENT 2 UNIT 2 CONTROL ROOM EMERO (Page 2 of 4)	GENCY KIT	
	Insp	NOTE ect all batteries during first and third qu	uarter inventories.	
		DRESS-OUT SUPPLIES	Minimum Quantity	As** Found
1.	Coveralis		10	
2.	Cloth Hoo	d	10	
3.	Cotton Lir	ners (pr.)	10	
4.	Rubber G	loves (pr.)	10	
5.	Surgical G	Gloves (pr.)	10	
6.	Rubber S	hoe Covers (pr.)	10	
7.	Plastic Bo	oties (pr.)	10	
8.	T-Cuts (p	r.)	10	
9.	Whirl-Pac	k	50	
10.	Tape (2" r	roll)	3	

VIS	ION NO	l.:	PROCEDURE TITLE:	PAGE:	
		1	EMERGENCY EQUIPMENT	20	) of 59
oc	edure HP	NO.: -90	ST. LUCIE PLANT		
			ATTACHMENT 2 UNIT 2 CONTROL ROOM EMERGENCY KIT (Page 3 of 4)		
		Insp	NOTE ect all batteries during first and third quarter inventor	ries.	
			OTHER EQUIPMENT	Minimum Quantity	As** Found
	1.	SCBA		5	
	2.	Air Sample	r Model No.: Serial No.: Calib. Due Date:	1	
	3.	Silver Zeoli	te Cartridges Exp. Date:	5	
	4.	Particulate	Filters	6	
	5.	Whirl-Pack	s (labeled Air Sample Data)	6	
	6	Full-Face F	Respirator (perform visual inspection, update card)	8	
	7	Charcoal C	Canister Exp. Date:	16	
	8	Dosimeter	Charger	1	
	9	Contamina	tion Smears and Envelopes / Folders	500	
	10.	Radiation E	Barrier Tape / Rope / Ribbon	N/A	
	11.	Radiation S	Sign and Assorted Inserts	5	
	12.	Step-off Pa	nds	10	
	13.	Poly Bags	(yellow)	10	
	14.	Extension	Cord (HD)	N/A	
	15.	Extension	Cord Adapter - White	3	
	16.	Extension	Cord Adapter - Red	3	
	17.	Plastic Rai		10	
	18.	Batteries - number, av	complete set of replacement batteries, both type and vailable for all equipment requiring batteries; check shelf life	N/A	

\*\* Codes: P=Pass, F=Fail, R=See Remarks

REVISION NO .:	PROCEDURE TITLE:			GE:
41	EME	ERGENCY EQUIPMENT		21 of 59
PROCEDURE NO.:				
HP-90		ST. LUCIE PLANT		
		ATTACHMENT 2 ROL ROOM EMERGENCY # (Page 4 of 4)	<u>(IT</u>	
		NOTE		
	Inspect all batteries du	uring first and third quarter inve	entones.	
[	DOCUMENTS, PROC	EDURES, LOGS	Avail.	Unavail.
1. PSL Em	ergency Plan (check for cur	rrent revision)		
	full set) (check for current re			
	ncy Response Directory (ch			
	Series (full set) (check for c			
		orms HP-206.1 and HP-206.2		
(10 copi	es each) (check for current	revision)		
6. Radiatio	on Exposure Summary Repo	ort		
7. Control	Room Rad Survey Maps (1	0 copies)		
Remarks:		Reviewed by:_		
Inventoried by			<u></u>	
Date:		Date:		

ON NO.:		PAG	
41		ENI	22 of 5
EDURE NO.:			
HP-90	ST. LUCIE PLANT		<u></u>
<u>(</u>	ATTACHMENT 3 OPERATIONAL SUPPORT CENTER EI (Page 1 of 4)	MERGENCY KIT	
	NOTE		
In	NOTE spect all batteries during first and third qu	arter inventories.	
	INSTRUMENTS	Pass	Fa
1. Portable Dos	e Rate Instrument (≥ 5 R/hr)		
Model No.:	Serial No.: Calib. Due Dat	e:	
Perform oper	ability check in accordance with Appendix A		
2. Portable Dos	e Rate Instrument (≥5 R/hr)		
Model No.:	Serial No.: Calib. Due Dat		
Perform oper	ability check in accordance with Appendix A		
3. Portable Dos	e Rate Instrument (≥5 R/hr)		
Model No.:	Serial No.: Calib. Due Dat	te:	
	ability check in accordance with Appendix A		
	nt Rate (Frisker) Instrument		
Model No.:	Serial No.: Calib. Due Dat	te:	
Perform oper	ability check in accordance with Appendix A		
5. Portable Cou	nt Rate (Frisker) Instrument		
Model No.:	Serial No.: Calib. Due Dat	te:	_
Perform oper	ability check in accordance with Appendix A		
	Int Rate (Frisker) Instrument Serial No.: Calib. Due Dal	to:	
Model No.:	Serial No.: Calib. Due Dat rability check in accordance with Appendix A		
- Penoini oper			
7. Portable Cou	Int Rate (Frisker) Instrument		
Model No.:	Serial No.: Calib. Due Da	te:	
Perform oper	rability check in accordance with Appendix A		
	el Analyzer or Single Channel Analyzer	te:	
Model No.:	Serial No.: Calib. Due Da		
Perform oper	rability check in accordance with Appendix A		
9. Scaler and D	Detector		
Model No.:	Serial No.: Calib. Due Da	ite:	

\*\* Codes: P=Pass, F=Fail, R=See Remarks

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EVISION NO .:	PROCEDURE TITLE:	PAGE:	
		23 of 5	59
HP-9			
	ATTACHMENT 3 OPERATIONAL SUPPORT CENTER EMER (Page 2 of 4)	RGENCY KIT	
	NOTE Inspect all batteries during first and third quarte	r inventories.	
	DOSIMETRY	Minimum As Quantity Fou	
* 1. TLC	D, Whole Body Semi-annual:	46	
	D, Finger Ring Semi-annual:	22	
	D, Multibadge Semi-annual:	50	
* 4. DR	D, 0-500 mR Calib. Due Date:	40	
* 5. DR	D, 0-5R Calib. Due Date:	20	
* 6. DR	D, 0-100R Calib. Due Date:	10	
	DRESS-OUT SUPPLIES		
1. C	overalls	50	
2. C	loth Hood	50	
3. C	otton Liners (pr.)	50	
4. R	ubber Gloves (pr.)	50	
5. S	urgical Gloves (pr.)	50	
6. R	Rubber Shoe Covers (pr.)	50	
7. P	lastic Booties (pr.)	50	
8. T	-Cuts (pr.)	50	
9. V	Vhirl-Pack	100	
10. T	ape (2" roll)	10	
	having Cream (can)	1	
¶₂ 12. C	Disposable Razors	6	
	OTHER EQUIPMENT		
	CBA	2	
	ir Sampler Model No.: Serial No.: Calib. Due Date		
	Silver Zeolite Cartridges Exp. Date:	20	
	Particulate Filters	20	
	Vhirl-Packs (labeled Air Sample Data)	20	_
6. F	ull-Face Respirator (perform visual inspection, update card)		
	Charcoal Canister Exp. Date:	24	
8. C	Dosimeter Charger (electric)	1	

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ION NÔ. 4'				
EDURE			24	4 of 5
HP-	-90	ST. LUCIE PLANT		
	OP	ATTACHMENT 3 PERATIONAL SUPPORT CENTER EMERGENCY M (Page 3 of 4)	<u>(IT</u>	
	Insp	NOTE ect all batteries during first and third quarter inventorie	es.	
		OTHER EQUIPMENT (continued)	Minimum Quantity	As* Fou
9. C	Dosimeter C	harger (battery)	2	
10. (	Contaminatio	on Smears and Envelopes / Folders	1500	
11. F	Radiation Ba	arrier Tape / Rope / Ribbon	N/A	
12. F	Radiation Si	gn and Assorted Inserts	20	
13. 5	Step-off Pad	s	20	
14. F	Poly Bags (y	/ellow)	50	
15. F	Portable Flu	orescent Lights	3	
16. I	Flashlights		24	
17. F	Rope (manil	a)	N/A	
18. I	insect Repel	llent (spray can)	10	
19. I	Decontamina	ation Agent	1	
20. I	Bull Horn		1	
21.	Plastic Rains	suits	50	
22.	Clipboards (	regular)	5	
23.	Lined Table	is	10	
24.	Note Pads		10	
25.	Felt-Tip Pen	is (black)	24	
<b>26</b> .	Ink Pens (bl	ack)	24	
27.	Pencils		24	
28.	Scissors		3	
29.	Calculator		1	
30.	Stapler with	staples	1	
31.	Bolt Cutters		1	
32.	Batteries - C available for	Complete set of replacement batteries, both type and number, r all equipment requiring batteries; check shelf life.	N/A	

\*\* Codes: P=Pass, F=Fail, R=See Remarks

EVISION N	10.:			PAGE:
	41	EMERGENCY EQUI	PMENT	25 of 59
ROCEDUR	RE NO.:			
Н	P-90	ST. LUCIE PLA	NT	
	OP	ATTACHMENT 3 ERATIONAL SUPPORT CENTEI (Page 4 of 4)		
<b></b>		NOTE	<u> </u>	
	Insp	ect all batteries during first and third	d quarter inventories.	
		OCUMENTS, PROCEDURES, LOGS	Avail.	Unavail.
1.		et) (check for current revision)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1. 2.	Emergency	Response Directory (5 copies) (check for	current	
	revision)	ale for ourrent revision)		
3.	· · · · · · · · · · · · · · · · · · ·	eck for current revision)		
4.		k for current revision)		
5.		set) (check for current revision)		
6.		(check for current revision)	human of	
7.	Accident Sa	"Establishing Remote Laboratory for Ana mples" (check for current revision)		
8.		posure Summary Report		
9.		urvey Forms (Unit 1 and Unit 2)		
10.	Field Monito			
11.	Assembly A			
	Emergency revision)	Response Directory (1 copy) (check for c		
	HP-207 (che	eck for current revision)		
	HP-208 (che	eck for current revision)		
12.		Notebook including:		
		7.1 (25 copies) (check for current revision		
	Form HPP-7	70.1 (25 copies) (check for current revisio	n)	
CON	MUNICATIO	NS TEST	Pass	Fail
1.	Videolink Cl	neck		
	Perform che	eck in accordance with Appendix B		
	Major Equipm Codes: P=Pa	ient ss, F=Fail, R=See Remarks		
≀emark	(S:			
			eviewed by:	
	-	_	• <u> </u>	
Date:		Da	ate:	

REVIS	SION NO.:	PROCEDURE TITLE:	PAGE	
	41	EMERGENCY EQUIPMENT	2	6 of 59
ROC	EDURE NO.:		-	0 01 00
	HP-90	ST. LUCIE PLANT		
		ATTACHMENT 4 SITE ASSEMBLY STATION EMERGENCY KIT (Page 1 of 3)	<u>[</u>	
	In	<u>NOTE</u> spect all batteries during first and third quarter invento	ories.	
		INSTRUMENTS	Pass	Fail
*			r	Fail
ŧ		INSTRUMENTS Count Rate (Frisker) Instrument (Decon)	r	Fail
*	1. Portable Model No	INSTRUMENTS Count Rate (Frisker) Instrument (Decon)	r	Fail

ON NO.:	<u></u>	PROCEDURE TITLE:		PAGE:	
41 DURE N	<u></u>		Т	2	7 of 59
HP-90		ST. LUCIE PLANT			
		ATTACHMENT 4 SITE ASSEMBLY STATION EMERGE (Page 2 of 3)	NCY KIT		
	Insp	NOTE bect all batteries during first and third quarter	er inventories.		
		DRESS-OUT SUPPLIES	Minim Quan		As** Found
1. (	Coveralls		10		
2. (	Cloth Hood	1	10		
3. (	Cotton Line	ers (pr.)	10		
4. F	Rubber Glo	oves (pr.)	10		
5. 5	Surgical G	loves (pr.)	10		
6. I	Rubber Sh	oe Covers (pr.)	10		
7. 1	Plastic Boo	oties (pr.)	10		
8.	T-Cuts (pr.	)	10	)	
9. \	Whirl-Pack		50	)	
10.	Tape (2" ro	bil)	3		
		OTHER EQUIPMENT			
1. 1	Paper PCs	6	10	)	
2.	Radiation	Barrier (Tape / Rope / Ribbon)	N//		
3.	Radiation	Sign and Assorted Inserts	3		
4.	Step-off Pa	ads	1(		
5.	Poly Bags	(yellow)	50		
6.	5 Gallon J	ug of Water	1		
7.	Waterless	Hand Cleaner (can)	2		
8.	Hand Rag	S	50		
9.	Towels		6		
10.	Shaving C	cream (can)	1		
11.	Disposabl	e Razors	6	i	
12.	First Aid K	(it	1		

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EVISION NO.:	PROCEDURE TITLE:	PA	AGE:
41	EMERGENCY EQUIPMENT		28 of 59
ROCEDURE NO.:			
HP-90	ST. LUCIE PLANT		
	ATTACHMENT 4 SITE ASSEMBLY STATION EMERGENC (Page 3 of 3)	<u>Y KIT</u>	
ſ	NOTE		
In	spect all batteries during first and third quarter in	ventories.	
DC	OCUMENTS, PROCEDURES, LOGS	Avail.	Unavail.
1. Emergen revision)	cy Response Directory (check for current		
2. HP-200 S	Series (full set) (check for current revision)		
3. Notebool	<		
	og Clipboard with:		
Form revis	HP 207.1 (25 copies) (check for current ion		
5. Decon Lo	og Clipboard with:		
Form revis	HPP-70.1 (25 copies) (check for current ion)		
	COMMUNICATIONS TEST	Pass	Fail
1. Wall Pho	ne		
Perform Appendix	communications test in accordance with B		
	pment Pass, F=Fail, R=See Remarks		
nventoried by:	Reviewed by	:	
Date:	Date:		

REVISION N	0.:	PROCEDURI		<u> </u>		PAGE:	·
	41		EMERGEN	ICY EQUIPMENT		20	9 of 59
ROCEDUR	E NO.:					23	9 01 39
H	P-90		ST. L				
		FIELD I	ONITORING	CHMENT 5 TEAM EMERGENCY e 1 of 2)	<u>′ KIT</u>		
	Insp	ect all bat		DTE st and third quarter inv	ventories.		
			INSTRUMENTS		Pa	ass	Fail
1.	Portable Dos	e Rate Inst	rument (> 5 R/hr)				
<u>'</u>	Model No.:		erial No.:	Calib. Due Date:			
			k in accordance				
2.	Dual Channe	Analyzer	or Single Channe	Analyzer			
	Model No.:		erial No.:	Calib. Due Date:			
	Perform ope	rability chee	ck in accordance	with Appendix A			
	De deble Cou	unt Data /Fr	isker) Instrument	(Field Team)			
3.	Model No.:		erial No.:	Calib. Due Date:			
		_	ck in accordance				
	Perform ope	rability che	DOSIMETRY		Mini	mum	As**
			DUSIMETRT			antity	Found
1.	TLD, Whole	Body S	emi-annual:			2	
2.	EPD ***			Calib. Due Date:		2	
3.	DRD, 0-5 R			Calib. Due Date:		2	
		C	THER EQUIPME	NT			
1.	Air Sampler	(auto batte	ry-powered)			1	
	Model No.:	S	erial No.:	Calib. Due Date:			
2.	Silver Zeolite	e Cartridges	s Exp. Date:			6	
3.	Particulate F	ilters				6	
4.	Whirl-Packs	(labeled "A	ir Sample Data")			6	
5.	Surgical Glo	ves (pr.)				6	
6.	Portable Ra			<u></u>		1	
7.		-	ette-Lighter Plug			1	ļ
8.			with Battery Clips			1	ļ
9.	Microphone					1	ļ
10.	•					1	ļ
11.				ection, update card)		2	ļ
12.	Charcoal Ca	anister E	xp. Date:			2	<u> </u>

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Major Equipment Codes: P=Pass, F=Fail, R=See Remarks Alarm setpoints: Dose - 4.5R, Dose Rate 10R/hr. \*\*\*

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PROCEDURE NO.: HP-90	ST. LUCIE PL	<b>-</b>		
HP-90	ST. LUCIE PL			30 of 59
	HP-90 ST. LUCIE PLAI			
	ATTACHMENT FIELD MONITORING TEAM E (Page 2 of 2)	MERGENCY K	T	
Inspec	NOTE t all batteries during first and th	ird quarter inven	tories.	
	OTHER EQUIPMENT (continued)		Minimum Quantity	As** Found
13. Stopwatch			1	
14. Calculator			1	11
15. Dosimeter Cha	Irger		1	
16. Tweezers			1	<b> </b>
17. Flashlight			1	
18. Batteries - Cor	nplete set of replacement batteries, b ble for all equipment requiring batter	ooth type and ies; check shelf	N/A	
DC	CUMENTS, PROCEDURES, LOGS		Avail.	Unavail.
	esponse Directory (check for current			
	( for current revision)		, ··	
	of HP-202 (2 copies) (check for cur	rent revision)		
	1 (6 copies) (check for current revisio			
5 Field Monitorir				
6. Field Monitorir				
0. Field Monitoni				
	F=Fail, R=See Remarks			
		Reviewed by:		
Date:	[	Date:		

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VISION NO.:	PROCEDURE TITLE:	PAC	SE:
41	EMERGENCY EQUIPMENT		
4 I ROCEDURE NO.:			31 of 59
HP-90	ST. LUCIE PLANT		
EN	ATTACHMENT 6 IERGENCY OPERATIONS FACILITY EMERG (Page 1 of 3)	ENCY KIT	
Ins	NOTE spect all batteries during first and third quarter inv	ventories.	
	INSTRUMENTS	Pass	Fail
1. Portable	Dose Rate Instrument (≥ 5 R/hr)		
Model No			
	operability check in accordance with Appendix A		
2. Portable	Count Rate (Frisker) Instrument		
Model No			
	operability check in accordance with Appendix A		
3. Portable	Count Rate (Frisker) Instrument		
Model No			
Perform	pperability check in accordance with Appendix A		
	DOSIMETRY	Minimum Quantity	As** Found
1. TLD, Wh	ole Body Semi-annual:	6	
	500 mR Calib. Due Date:	10	
3. DRD, 0-5	5 R Calib. Due Date:	5	
	DRESS-OUT SUPPLIES		
1. Coveralls		20	ļ
2. Cloth Ho		20	
	ners (pr.)	20	
	Gloves (pr.)	20	ļ
	Gloves (pr.)	20	ļ
	Shoe Covers (pr.)	20	ļ
	ooties (pr.)	20	ļ
8. T-Cuts (p		20	
9. Whirl-Pa		50	<b></b>
10. Tape (2"	roll)	5	

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SION N	<b>O</b> .:	PROCEDURE TITLE:	PA	GE:
41 EMER		EMERGENCY EQUIPMENT		32 of 59
	P-90	ST. LUCIE PLANT		
	EME	ATTACHMENT 6 RGENCY OPERATIONS FACILITY EMERGE (Page 2 of 3)	NCY KIT	
	Insp	NOTE ect all batteries during first and third quarter inve	ntories.	
		OTHER EQUIPMENT	Minimum Quantity	As** Found
1.	Full Face Re	espirator (perform visual inspection, update card)	6	
2.	Charcoal Ca	anister Exp. Date:	12	
3.	Dosimeter C	harger (electric)	1	
4.	Dosimeter C	harger (battery)	1	
5.	Silver Zeolite	e Cartridges Exp. Date:	50	
6.		on Smears and Envelopes / Folders	500	
7.		arrier (Tape / Rope / Ribbon)	N/A	
8.	Radiation Si	gn and Assorted Inserts	10	
9.	Step-off Pac	ls	10	_
10.	Poly Bags ()		10	
11.	Plastic Rain		20	
12.	Batteries - C number, ava life.	complete set of replacement batteries, both type and allable for all equipment requiring batteries; check shelf	N/A	
		DOCUMENTS, PROCEDURES, LOGS	Avail.	Unavai
1.	PSL Emerge	ency Plan (check for current revision)		
2.		et) (check for current revision)		
3.		Response Directory (check for current revision)		
4.		er & Light Company St. Lucie Plant Recovery Plan	ļ	
5.		ck for current revision)		
6.		ies (full set) (check for current revision)		
7		(check for current revision)		
8.	COP-06.11, Accident Sa	"Establishing Remote Laboratory for Analyses of mples" (check for current revision)		
<u> </u>		COMMUNICATIONS TEST	Pass	Fail
1.		ency Notification System (ENS)	<u> </u>	
		nmunications test in accordance with Appendix B		
2.		Physics Network (HPN)		
		mmunications test in accordance with Appendix B		
3.		or Safety Counterpart Link (RSCL) mmunications test in accordance with Appendix B.		

COM 4. NRC P Perforr 5. NRC M Perforr 6. NRC L Perforr 7. Local C Perforr 1 Uni 8. Local C Perforr 9. Spectr Perforr 10. State M Perforr 11. Videoli Perforr 12. Test fa ext. 75 13. Test co similar * Major Ed * Codes: I	Inspect all batter	EMERGENCY EQUIPMEN ST. LUCIE PLANT ATTACHMENT 6 PERATIONS FACILITY EM (Page 3 of 3) <u>NOTE</u> ies during first and third quart		33 of 59
HP-90  HP-90  COM  A. NRC P  Perforr  5. NRC M  Perforr  6. NRC L  Perforr  7. Local C  Perforr  7. Local C  Perforr  10. State M  Perforr  11. Videoli  Perforr  12. Test fa  ext. 75  13. Test ca  * Major E4  * Major E4	Inspect all batter	ATTACHMENT 6 PERATIONS FACILITY EM (Page 3 of 3) NOTE	<u></u>	<u>(IT</u>
COM 4. NRC P Perforr 5. NRC M Perforr 6. NRC L Perforr 7. Local C Perforr 10. State M Perforr 11. Videoli Perforr 12. Test fa ext. 75 13. Test co similar * Major Ec * Codes: 1	Inspect all batter	ATTACHMENT 6 PERATIONS FACILITY EM (Page 3 of 3) NOTE	<u></u>	<u>ut</u>
COM 4. NRC P Perforr 5. NRC M Perforr 6. NRC L Perforr 7. Local C Perforr 0. Uni 8. Local C Perforr 10. State M Perforr 11. Videoli Perforr 12. Test fa ext. 75 13. Test ca similar * Major Ed * Codes: I	Inspect all batter	PERATIONS FACILITY EM (Page 3 of 3) <u>NOTE</u>	<u></u>	<u> </u>
<ul> <li>4. NRC P</li> <li>Perforr</li> <li>5. NRC M</li> <li>Perforr</li> <li>6. NRC L</li> <li>Perforr</li> <li>7. Local C</li> <li>Perforr</li> <li>Uni</li> <li>8. Local C</li> <li>Perforr</li> <li>Uni</li> <li>8. Local C</li> <li>Perforr</li> <li>10. State M</li> <li>Perforr</li> <li>11. Videoli</li> <li>Perforr</li> <li>11. Videoli</li> <li>Perforr</li> <li>12. Test fa</li> <li>ext. 75</li> <li>13. Test co</li> <li>similar</li> <li>* Major E</li> <li>* Major E</li> </ul>				
<ul> <li>4. NRC P</li> <li>Perforr</li> <li>5. NRC M</li> <li>Perforr</li> <li>6. NRC L</li> <li>Perforr</li> <li>7. Local C</li> <li>Perforr</li> <li>Uni</li> <li>8. Local C</li> <li>Perforr</li> <li>Uni</li> <li>8. Local C</li> <li>Perforr</li> <li>10. State M</li> <li>Perforr</li> <li>11. Videoli</li> <li>Perforr</li> <li>12. Test fa</li> <li>ext. 75</li> <li>13. Test co</li> <li>similar</li> <li>* Major E</li> <li>* Major E</li> </ul>			er inventories	S.
Perform         5.       NRC M         Perform         6.       NRC L         Perform         7.       Local C         Perform         10.         9.       Spectrum         Perform         10.       State M         Perform         11.       Videoli         Perform         12.       Test far         ext. 75         13.       Test car         *       Major Ed         **       Codes:		T - EMERGENCY OPERATIONS (EOF) (continued)	B Pa	iss Fail
<ul> <li>5. NRC M</li> <li>Perforr</li> <li>6. NRC L</li> <li>Perforr</li> <li>7. Local C</li> <li>Perforr</li> <li>Uni</li> <li>8. Local C</li> <li>Perforr</li> <li>Uni</li> <li>9. Spectrom</li> <li>Perforr</li> <li>10. State V</li> <li>Perforr</li> <li>11. Videoli</li> <li>Perforr</li> <li>12. Test far</li> <li>ext. 75</li> <li>13. Test constrained</li> <li>* Major Edite</li> <li>* Major Edite</li> </ul>	rotective Measures	Counterpart Link (PMCL)		
Perform         6.       NRC Line         Perform         7.       Local Control         Perform       Unit         8.       Local Control         Perform       Unit         9.       Spectration         Perform       10.         State Value       Perform         11.       Videolit         Perform       12.         13.       Test far         ext. 75       13.         Test control       Similar         *       Major Eon         **       Codes:	n communications te	est in accordance with Appendix B		
<ul> <li>6. NRC L</li> <li>Perforr</li> <li>7. Local C</li> <li>Perforr</li> <li>Uni</li> <li>8. Local C</li> <li>Perforr</li> <li>Uni</li> <li>9. Spectrom</li> <li>Perforr</li> <li>10. State V</li> <li>Perforr</li> <li>11. Videoli</li> <li>Perforr</li> <li>12. Test fate ext. 75</li> <li>13. Test constrained</li> <li>* Major Edit</li> <li>* Major Edit</li> </ul>	anagement Counter			
Perform         7.       Local C         Perform       Uni         8.       Local C         Perform       Uni         9.       Spectra         Perform       Uni         10.       State V         Perform       11.         Videoli       Perform         12.       Test far         ext. 75       13.         13.       Test co         similar         *       Major E         **       Codes:	n communications te	est in accordance with Appendix B	i.	
<ul> <li>7. Local C</li> <li>Perforr</li> <li>Uni</li> <li>8. Local C</li> <li>Perforr</li> <li>9. Spectrom</li> <li>9. Spectrom</li> <li>10. State V</li> <li>Perforr</li> <li>11. Videoli</li> <li>Perforr</li> <li>12. Test fate ext. 75</li> <li>13. Test constrained</li> <li>* Major Edit</li> <li>* Major Edit</li> </ul>	ocal Area Network (			
Perforr Uni 8. Local C Perforr Uni 9. Spectro Perforr 10. State V Perforr 11. Videoli Perforn 12. Test fa ext. 75 13. Test co similar * Major Ee ** Codes:		est in accordance with Appendix B	<b>.</b>	
Oni     O		_GR) Channel 2 (39.18 MHz)		
Perforr Uni 9. Spectro Perforr 10. State V Perforr 11. Videoli Perforr 12. Test fa ext. 75 13. Test co similar * Major Ec ** Codes: I	t 1, 🔲 Unit 2, 🔲	est in accordance with Appendix B TSC (All 3 ok to pass)	l;	
9. Spectr 9. Spectr 10. State V Perform 11. Videoli Perform 12. Test fa ext. 75 13. Test co similar * Major Ee ** Codes:		_GR) Channel 1 (39.10 MHz)		
Perform 10. State V Perform 11. Videoli Perform 12. Test far ext. 75 13. Test co similar * Major Ee ** Codes: 1	t 1, 🛛 Unit 2, 🔲	est in accordance with Appendix B TSC (All 3 ok to pass)	k;	
<ul> <li>10. State V</li> <li>Perform</li> <li>11. Videoli</li> <li>Perform</li> <li>12. Test far</li> <li>ext. 75</li> <li>13. Test car</li> <li>similar</li> <li>* Major Ea</li> <li>** Codes: I</li> </ul>	a Radio, HP Offsite			
Perform 11. Videoli Perform 12. Test far ext. 75 13. Test co similar * Major Ee ** Codes:		est in accordance with Appendix B		
<ul> <li>11. Videoli</li> <li>Perfori</li> <li>12. Test fa ext. 75</li> <li>13. Test ca similar</li> <li>* Major Ea</li> <li>** Codes:</li> </ul>		) Hot Ring Down Phone (HRD)		
Perfon 12. Test fa ext. 75 13. Test co similar * Major Eo ** Codes: 1		est in accordance with Appendix B	<u>}</u>	
<ul> <li>12. Test fa ext. 75</li> <li>13. Test ca similar</li> <li>* Major Ea ** Codes: I</li> </ul>	n check in accordan	ce with Annendix B		
<ul> <li>13. Test cr similar</li> <li>* Major Ec</li> <li>** Codes:</li> </ul>	x machines in room	s 102, 108 and 130 (send fax to E m similar to Appendix C.	P at	
** Codes:		ms 102 and 131. Run copy using	form	
	quipment P=Pass, F=Fail, R=S	See Remarks		
ventoried by:				
ate:		Reviewe	d by:	

EVISION	NÓ.:	PROCEDURE TITLE:		F	PAGE:
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٢	IP-90	ST. L	UCIE PLANT		
		HOSPITAL E	CHMENT 7 MERGENCY KIT le 1 of 2)		
	Insp	Nect all batteries during fi	OTE rst and third quarter inve	entories	
		INSTRUMENTS		Pas	s Fail
1.	Portable Dos	se Rate Instrument (> 5 R/hr)	)		
	Model No.:	Serial No.:	Calib. Due Date:	_	
		rability check in accordance	with Appendix A		
2.	Portable Cou	unt Rate (Frisker) Instrument			
	Model No.:	Serial No.:	Calib. Due Date:		
	Perform ope	rability check in accordance	with Appendix A		
3.	Portable Co	unt Rate (Frisker) Instrument			
	Model No.:	Serial No.:	Calib. Due Date:		
	Perform ope	rability check in accordance	with Appendix A		
		DOSIMETRY		Minim Quar	
1.	TLD, Whole	Body Semi-annual:		12	2
2.	DRD, 0-20 I	२	Calib. Due Date:	5	
3.	DRD, 0-500	mR	Calib. Due Date:	12	2
		OTHER EQUIPME	NT		
1.	Dosimeter C	Charger		1	
2.	Contaminati	on Smears and Envelopes /	Folders	50	0
3.	Radiation B	arrier Tape / Rope / Ribbon		N/.	A
4.	Radiation Si	ign and Assorted Inserts		5	
5.	Step-off Pac	ds		1(	)
6.		yellow)		20	)
7.	Herculite (m	ay be precut)		N/.	A
8.		ation Table and Accessories	. <u></u>	1	
9.	Tape (2" rol	l)		5	j
		Material Tags		2	5

	0 ·	PROCEDURE TITLE:	PAG	E:
		EMERGENCY EQUIPMENT		35 of 59
	e no.: P <b>-90</b>	ST. LUCIE PLANT		
		ATTACHMENT 7 HOSPITAL EMERGENCY KIT (Page 2 of 2)		
	Insp	NOTE ect all batteries during first and third quarter inve	ntories.	
		OTHER EQUIPMENT (continued)	Minimum Quantity	As** Found
11.	Lined Tablet	S	2	
12.	Note Pads		2	
13.	Ink Pens (bl	ack)	12	
14.	Batteries - C number, ava life.	complete set of replacement batteries, both type and ilable for all equipment requiring batteries; check shelf	N/A	
		DOCUMENTS, PROCEDURES, LOGS	Avail.	Unavail.
1.	Emergency	Response Directory (check for current revision)		
2.	HPP-70 (ch	eck for current revision)		
3.	HPP-101 (cl	heck for current revision)		
4.	HP-207 (che	eck for current revision)		
5.	HP-208 (che	eck for current revision)		
6.	Form HPP-1	101.1 (5 copies) (check for current revision)		
7.	Form HPP-7	70.1 (5 copies) (check for current revision)		
**	-	ient ss, F=Fail, R=See Remarks		
	ied by:	Reviewed by:	<u>_,,,,</u>	
ventor	•			

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	41	EMERGENCY EQUIPMENT	36 of 59				
PROCE	DURE NO.: HP-90	ST. LUCIE PLANT					
1.		APPENDIX A OPERABILITY INSTRUCTIONS (Page 1 of 8) e Rate Instrument - Check calibration sticker, batte supplied check source.	ery test and				
	Kit	NOTE check sources should not be stored near the kit TL	Ds				
2.		nt Rate Instrument - Check calibration sticker, bat I response to supplied check source.	tery test (unplug				
3.	Battery and 0 2200.	Battery and Operational Checks of the Ludlum Model 2218 and Ludlum Model 2200.					
		NOTE					
		be necessary to use Channel 2 of the Ludium Moo tained within parentheses are settings to be used					
	A layout o     Appendix	of the Ludlum Model 2218 is provided in Figure 1 to	o this				
	• Steps 3.1	through 3.20 provide instructions for the Ludlum I	Model 2218.				
	• Steps 3.21 through 3.28.13 provide instructions for the Ludlum Model 2200.						
	<ul> <li>A layout of the Ludlum Model 2200 is provided in Figure 2 of this Appendix.</li> </ul>						
	Verify that the RECYCLE knob is OFF. The knob is labeled and located on the rear panel of the instrument.						

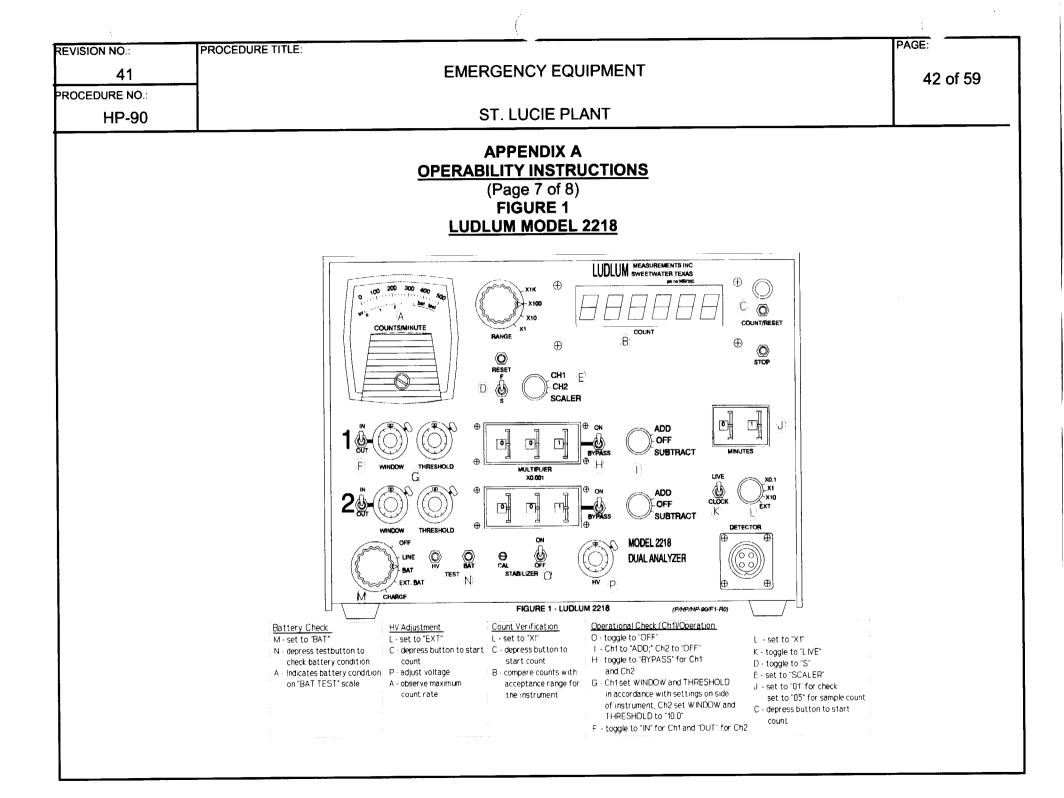
				PAGE:		
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			APPENDIX A OPERABILITY INSTRUCTIONS (Page 2 of 8)	•		
3.	(conti	inued)				
	3.1	Check	the battery as follows:			
	AC p	ower an	<u>NOTE</u> ent fails the battery check, it can be used only if it is con d therefore should be replaced with an instrument capa operability check.	nected to ble of		
		1.	Turn the POWER knob to "BAT".			
		2.	Unplug the AC line cord.			
		3.	Depress the BAT testbutton			
		4.	Observe the condition below the RATE SCALE.			
		5.	If battery condition is not within the acceptable BAT T plug in the AC line cord and turn the POWER knob to Attach a label to the instrument stating "Instrument is started charge at AM / PM on	CHARGE.		
		6.	If the battery condition is acceptable, then continue w below.	ith the steps		
	3.2					
			NOTE s 3.3 through 3.15.4 are initially performed on Channel	1		
				<u> </u>		
	3.3	Ch1 (	Ch2), set the ADD-OFF-SUBTRACT knob to ADD.			
	3.4	Ch2 (	Ch1), set the ADD-OFF-SUBTRACT knob to OFF			
	3.5	Ch1 a	and Ch2, set the ON-BYPASS toggle switch to BYPAS	S.		
	3.6		Ch2), set the WINDOW and the THRESHOLD dials IA cordance with) settings on the side of the 2218 cabine			
	3.7	Set th	e unused Channel's WINDOW and THRESHOLD dia	ls to 10.0.		
	3.8	Ch1 (	Ch2), set the IN-OUT toggle switch to IN.			
1						

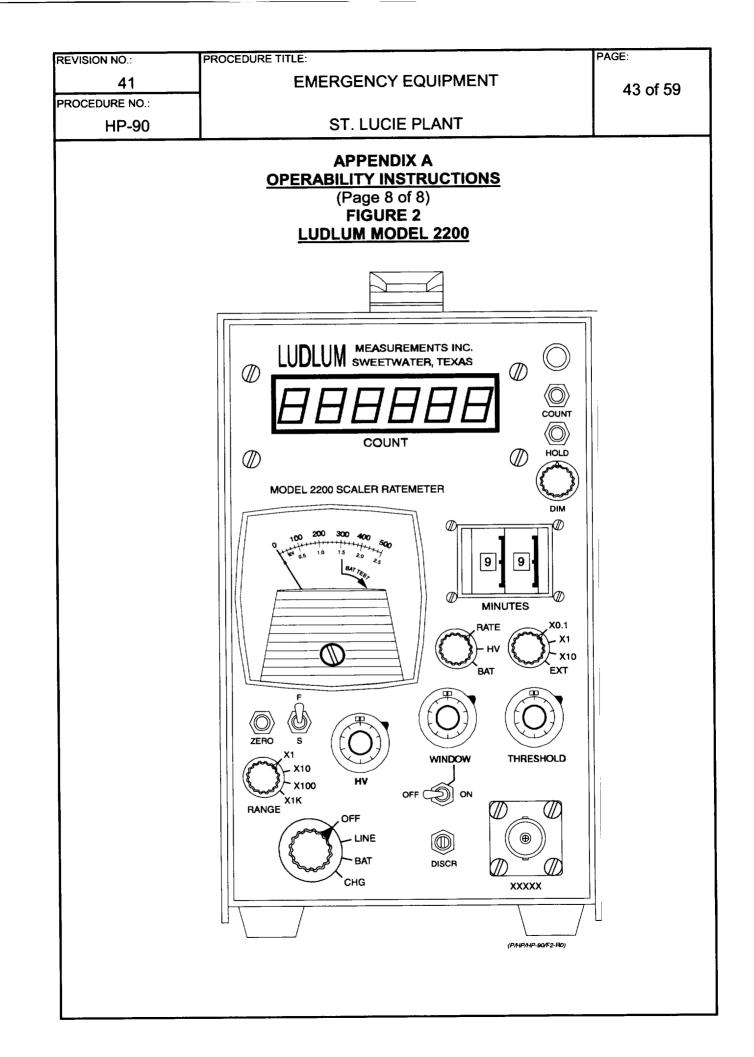
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	HP-90		ST. LUCIE PLANT			
			APPENDIX A OPERABILITY INSTRUCTIONS (Page 3 of 8)			
	(contii	nued)				
	3.9	Ch2 (0	Ch1), set the IN-OUT toggle switch to OUT.			
	3.10	Set the	e MINUTES knob to X1.			
	3.11	Set the	e LIVE-CLOCK toggle switch to LIVE.			
	3.12	Set the	e F-S (Fast-Slow) toggle switch to S.			
	3.13	Set the	e Ch1-Ch2-Scaler knob to SCALER.			
	3.14	Set the MINUTES thumbwheel to 01.				
	3.15	Perfor				
		1.	Place the Ba-133 check source in the shield under t	he detector.		
		2.	Depress the COUNT-RESET button to start counting	g.		
		3.	When counting stops, compare the displayed counts acceptance range that is located on the side of the i	s with the nstrument.		
		4.	If the displayed counts are within the acceptance ranstep 3.17. If the displayed counts are not within the range then go to step 3.16.	nge then go to acceptance		
	3.16	High v	voltage (HV) adjustments are performed as follows:			
		1.	Set the MINUTES knob to EXT.			
		2.	Place the Ba-133 check source in the shield under t	he detector.		
		3.	Depress the COUNT-RESET button to start countin	g.		
		4.	Observe the COUNTS / MINUTE (Count Rate Meter making small adjustments in voltage to obtain the <b>n</b> rate achievable.	r) scale while naximum count		
		5.	Increase or decrease the voltage with the HV (High	Voltage) dial.		
		6.	Set the MINUTES knob to X1.			

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			EMERGENCY EQUIPMENT	39 of 59				
HP-90			ST. LUCIE PLANT					
			APPENDIX A OPERABILITY INSTRUCTIONS (Page 4 of 8)					
	3.16	(contir	nued)					
		7.	Depress the COUNT-RESET button to start counting.					
		8.	When counting stops, compare the displayed counts w acceptance range that is located on the side of the inst	rith the trument.				
		9.	If the displayed counts are within the acceptance range step 3.17. If the displayed counts are not within the ac range then repeat steps 3.3 through 3.15.4 using chan	ceptance				
	3.17		If the instrument successfully completed the operational response check, record the results on the appropriate Attachment.					
	3.18		instrument did not successfully complete the operational check, channel 2:					
		1.	Tag the instrument OUT OF SERVICE, give the reaso	n.				
		2.	Record the results in the appropriate Attachment.					
		3.	Give the reason for failure in the Remarks section.					
	3.19	using	instrument successfully completed the operational resp channel 2, record the results on the appropriate Attach the instrument "use channel 2".	onse check ment and				
	3.20	Turn t	he power knob to CHARGE.					
	3.21	For th	e Ludium Model 2200 check the battery as follows:					
			<b>NOTE</b> Nent fails the battery check, it can be used only if it is contrained and successfully passes the operational check.	nnected				
		1.	Turn the Power switch to BAT and unplug the AC line	cord.				
		2.	Rotate the RATE-HV-BAT selector to BAT. (A downso indicates battery reversal).	cale reading				

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41			EMERGENCY EQUIPMENT	40 of 59					
PROCEDURE NO.: HP-90			ST. LUCIE PLANT						
			APPENDIX A OPERABILITY INSTRUCTIONS (Page 5 of 8)						
6.	3.21	(contir	nued)						
		3.	If the BAT meter indication falls within the BATT TEST Meter face, continue with the operational check.	zone on the					
		4.	If the BAT meter indication falls below the BATT TEST Meter face, replace the batteries and retest OR use on power only.						
	3.22	Confir setting	Confirm Window, Threshold and HV (High Voltage) settings n settings posted on the instrument with window "ON".						
	3.23	Set the	Set the F-S switch to F. Rotate the RATE-HV-BAT selector RATE.						
	3.24	Rotate							
	3.25	Set th	Set the MINUTES thumb wheel to 01. Set the X0.1-X1-X10-EXT selector to X1.						
	3.26	Set th							
	3.27	Perfor	m a source check as follows:						
		1.	Place a Ba133 check source in the shield under the de	etector.					
		2.	Press the COUNT button to start the counting.						
		3.	When the counting stops, compare the displayed cour acceptance range values posted on the instrument.	nts with the					
		4.	If the displayed counts are within the acceptance rang operability test is complete. If the displayed counts ar the acceptance range, then go to Step 3.28.	e, the e not within					
	3.28	High \	Voltage adjustments are performed as follows:						
		1.	Set the MINUTES knob to EXT.						
		2.	Place the Ba-133 check source in the shield under the	e detector.					
		3.	Rotate the RANGE selector switch to the appropriate (Based upon the expected one minute count).	position					

			PROCEDURE TITLE:	
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	HP-90		ST. LUCIE PLANT	
			APPENDIX A OPERABILITY INSTRUCTIONS (Page 6 of 8)	
	3.28	(conti	nued)	
		4.	Depress the COUNT button to start the count.	
		5.	Observe the COUNTS / MINUTE (Count Rate Meter) s making small adjustments in voltage to obtain the max rate achievable within the acceptance range. DO NOT 1200 volts.	imum count
		6.	Increase or decrease the voltage with the HV (High Vo	ltage) dial.
		7.	Press the HOLD button.	
		8.	Set the MINUTE knob to X1.	
		9.	Press the COUNT button to start counting.	
		10.	When the counting stops, compare the displayed coun acceptance rate that is posted on the instrument.	its with the
		11.	If the displayed counts are within the acceptance range NOT use the instrument.	e, then DO
		12.	TAG the instrument OUT-OF-SERVICE, give the rease	on.
		13.	Obtain a different L2200, if available, and perform an o check.	operability
<b>1</b> .	chec	k sourc	Detector - check the calibration sticker and response to a e. This is a response check only; use the supplied kit c se rate instruments.	supplied heck source
5.	Porta	able Co	ntinuous Air Monitor - Monthly Check.	
	1.	Verify	v calibration sticker.	
	2.	the ir Oper	orm a functional check of the portable continuous air mon structions in procedure HP13F, Calibration, Operation a ational Check of the Eberline Models AMS-2 and AMS-3 toring Systems.	and





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<u>    </u>	NSTRU	CTIONS	<u>5 FOR</u>	TESTING EMERGENCY COMMUNICATIONS I (Page 1 of 14)	
Ι.	Contr	ol Roon	າຣ		
	A.	accord	lance v	ol Room emergency communications equipment with plant Operating Procedure 1-0010125, "Scho ts, Checks and Calibrations."	is tested in edule of
	В.	accord	lance v	ol Room emergency communications equipment with plant Operating Procedure 2-0010125, "Scho ts, Checks and Calibrations."	is tested in edule of
11.	Tech	nical Su	pport (	Center (TSC)	
	Α.	tested	in acc	upport Center emergency communications equipr ordance with EPIP-13, "Maintaining Emergency as - Emergency Exercises, Drills, Tests and Evalu	
111.	Oper	ational S	Suppor	rt Center (OSC)	
	A.	comm	unicati	the "Videolink" is a closed circuit audio / visual ions link originating in the TSC with feeds to the 0 Operations Facility.	OSC and the
		1.	Instru	ctions for Testing	
			a.	Contact someone to go to the TSC to assist with the "Videolink", if not previously arranged.	h the test of
			b.	Turn on the television sets in both Rooms 2200	and 2300.
			C.	Set the channel selector to channel 9 and adjust	it volume.
			d.	Request the person in the TSC to provide a tes	t broadcast.
			e.	Operability is verified if both the video picture an output are received on the television sets in bot The picture must be clear and the audio free fro	h rooms.
			f.	Record operability status on the inventory form (Attachment 3).	

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PRO	41 CEDURE NO	<u>)</u> .	4	EMERGENCY EQUIPMENT	45 of 59
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	INSTRU		S FOR	APPENDIX B TESTING EMERGENCY COMMUNICATIONS	EQUIPMENT
			<u> </u>	(Page 2 of 14)	
111.	Α.	1.	(conti	nued)	
			g.	If the "Videolink" is inoperable (one or both televentify Emergency Planning.	vision sets),
			h.	Following completion of the tests, turn off the te in rooms 2200 and 2300.	levision sets
IV.	Eme	rgency	Operati	ons Facility (EOF)	
	Testi	ng the I	NRC E	mergency Telecommunications System (ETS).	
	Α.	Emer	gency l	Notification System (ENS)	
		1.	Phone	e number: (700) 821-0005	
		2.	3 exte	ensions	
			a.	Room 101, NRC Table	
			b.	Room 101, Recovery Manager Table	
			C.	Room 114	
		3.	Test		
			a.	Check all three phones for dial tone by lifting the of the telephone and listening for a dial tone.	e handset
			b.	Using one of the phone extensions, call the NR Center (NRCOC) by lifting the handset and dial number listed on the sticker located on the tele cradle. It is necessary to dial a "1" first then the followed by the number. If the main number is one of the alternate numbers.	ing the first phone area code
			C.	After the NRCOC Duty Officer answers, inform follows: "This is the St. Lucie Emergency Oper Facility. I am conducting a check of the ENS, h receive me?" Ask the NRCOC Duty Officer if h call back, if so give him the telephone number a the call.	ations low do you e wishes to

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				(Page 3 of 14)			
IV.	Α.	3.	(cont	inued)			
			d.	The test is passed if (1) all phones have dial ton link is operable, and (3) the NRCOC is success contacted.	ne, (2) the fully		
			e.	Record the test result on the inventory form (Attachment 6).			
			f.	If the test is a failure, see information under Tro Notification.	uble		
	Β.	Healt	h Phys	sics Network (HPN)			
		1.	Phon	ne number: (700) 821-0003			
		<b>2</b> .	3 ext	ensions			
			a.	Room 101, NRC Table			
			b.	Room 103 (2)			
		3.	Go to	o step F, Test Procedure			
	С.	Read	tor Sa	fety Counterpart Link (RSCL)			
		1.	Phor	ne number: (700) 821-0008			
		2.	2 ext	tensions			
			a.	Room 101, NRC Table			
			b.	Room 114			
		3.	Go t	o step F, Test Procedure			
1							

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<u> 81</u>	NSTRU	CTION	<u>s for</u>	TESTING	APPENDIX B EMERGENCY COMM (Page 4 of 14)	UNICATIONS	EQUIPMENT
					(Fage 4 01 14)		
IV.	(cont	inued)				_	
	D.	Protec	ctive M	easures C	ounterpart Link (PMCL	)	
		1.	Phone	e number:	(700) 821-0006		
		2.	2 exte	ensions			
			a.	Room 10	1, NRC Table		
			b.	Room 11	4		
		3.	Go to	step F, Te	est Procedure.		
	E.	Mana	gemer	nt Counter	part Link (MCL)		
		1.	Phon	e number:	(700) 821-0004		
		2.	2 exte	ensions			
			a.	Room 10	1, NRC Table		
			b.	Room 1'	4		
		3.	Go to	step F, T	est Procedure		
	F.	Test I	Proced	lure for HF	N, RSCL, PMCL and M	ICL.	
		1.	For e	ach comm	unication link, do the fo	ollowing:	
			a.	Check a the telep	I extensions for dial ton hone and listening for a	e by lifting the a dial tone.	handset of
			b.	Table in	nk operability by using t Room 101. Each link r a call to pass. Use the	nust be able to	call-out and
				HPN:	Dial 700-821-0008		
				RSCL:	Dial 700-821-0006		
				PMCL:	Dial 700-821-0004		
				MCL:	Dial 700-821-0003		
1							

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<u> </u>	NSTRU	ICTION	S FOR	APPENDIX B TESTING EMERGENCY CO (Page 5 of 14)	OMMUNICATIONS	EQUIPMENT	
IV.	F.	1.	(conti	nued)			
			C.	The test is passed if (1) all p the link is operable.	phones have dial tor	ne and (2)	
			d.	Record the test result on the for each communication link		achment 6)	
			е.	If the test is a failure, see in	formation under Tro	uble Notification.	
	G.	Local	Area N	letwork (LAN)			
		1.	Phone number: (700) 821-0007.				
		2.	1 exte	ension			
			a.	Room 114			
		3.	Test				
			а.	Check the telephone line by the handset and listening for		hone, lifting	
	Н.	Trout	ole Noti	ification			
		1.	inope	aspect of the Emergency Te rable notify the NRC Operation ing a commercial telephone a pers:	ons Center in Rocky	/ille, Maryland	
			1-(30	1) 951-0550			
			1-(30	1) 816-5100			
		2.	Provi	de the following information (	per IN 86-97):		
			а.	Name of contact -	Donna Calabrese Rick Walker	∋ or	
			b.	Phone number of contact -	Donna Calabrese (772) 467-7185	9	
					Rick Walker (772) 467-7170		
1							

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			1			
				APPENDIX B		
l	NSTR	UCTION	<u>S FOR</u>	TESTING EMERGENCY C	OMMUNICATIONS	
				(Page 6 of 14)		
IV.	H.	2.	(conti	nued)		
			C.	Location of contact -	FPL / PSL 6501 S. Ocean Dr Jensen Beach, Fl 34957	
			d.	Any other information that or as requested.	would expedite repair	r, if known
		3.	Notify	Donna Calabrese or Rick V	Valker.	
	I.	utilize Room Facili There chann secor testin	ed by S ns, the ty. Thi e are tw nel, F2 ndary c g both	overnment Radio (LGR) has t. Lucie County, Martin Count Technical Support Center a s is a backup to the State H vo Motorola Command Serie (39.180 MHz, State channe channel, F1 (39.100 MHz, St channels with the Unit 1 Co the Technical Support Cente	nty, the St. Lucie Plar nd the Emergency Op ot Ring Down Phone es radios, one set to the es radios, one set to the state channel 2). The the ntrol Room, the Unit 2	nt Control perations Circuit. he primary to the test includes
	EO disc	F, power	cords d wher	<u>CAUTION</u> nst potential damage resulting for the LGR and HP Off-Site n not in use. The phone cable	Channel Radios are le	eft
		1.	Powe	ering Up the Radio:		
			а.	Plug the power cord from outlets behind the table.		
			b.	Ensure the phone cable fr one of the 3 phone jacks of the jacks are wired for all 3 Department of Health (DC included in this test).	on the wall behind the 3 radios (LGR F1, LG	table. All R F2, and

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HF	<b>-</b> -90		ST. LUCIE PLANT	
INST	RUCTION	<u>IS FOR</u>	R TESTING EMERGENCY COMMUNICATIONS I (Page 7 of 14)	
/. l.	(cont	inued)		ال <del>د محمد سردر</del>
Pr	rior to corr e plant to	nmencii go to tł	<b>NOTE</b> ng the testing with the Control Rooms, contact some ne TSC to assist with testing of the TSC radios.	eone at
	2.	Instr	uctions for Testing:	
		Cont	rol Rooms	
		а.	Call one of the Plant St. Lucie Control Rooms a them to standby for testing the LGR.	nd ask
		b.	Begin by testing the radio which is set to channe channel normally monitored by the Control Roo	el F2, the ms.
		C.	The radio may be operated either by depressing "transmit" button on the console or by removing handset and depressing the "push-to-talk" bar in handset. The "xmit" light is lit during transmissi Transmit the following: "St. Lucie Unit 1 or 2 (w you arranged to test with), this is St. Lucie EOF please, over." Following acknowledgement from Control Room, continue with: "St. Lucie Plant, is St. Lucie EOF conducting a communications te you read, over?" If the Control Room confirms transmission and you can confirm clear reception response, then have the radio switched to chan following termination of the message, and stand test. End the transmission with: "This is St. Lucie Room and have the radio switched to channel for Proceed to the next step.	the n the on. hichever , come in m the this is the st, how do clear on of the nel F1, dby for a cie EOF, ontrol

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INST	RUCTION	S FOR	APPENDIX B R TESTING EMERGENCY COMMUNICATIONS ( (Pogo 8 of 14)	EQUIPMENT
			(Page 8 of 14)	
IV. I.	2.	(conti	inued)	
		d.	Now test the radio which is set to channel F1. T following: "St. Lucie Plant, this is St. Lucie EOF please, over." Following acknowledgement from Control Room, continue with: "St. Lucie Plant, t St. Lucie EOF conducting a communications test you read, over?" If the Control Room confirms a transmission and you can confirm clear reception response, then end the transmission with: "This this communications test, reset the radio to cha this is St. Lucie EOF, KNGR 874 over and out." transmission is unsuccessful, call the Control Ro have the radio reset to channel F2. Proceed to step.	F, come in m the his is the st, how do a clear on of the s concludes nnel F2, If oom and
		e.	Record operability status on the inventory form (Attachment 6).	
		f.	If one or both channels of the system is / are ine then notify Emergency Preparedness.	operable,
		g.	Repeat the test procedure in Steps c - f above volution other Control Room.	with the
		Tech	nical Support Center	
		a.	Contact someone at the plant to go to the TSC with the radio test, if not previously arranged.	to assist
		b.	Begin by testing the radio which is set to chann channel the radio in the TSC is set on.	el F2, the

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	<u> </u>		<u></u>
CTION			
CTION			
	<u>S FOF</u>	R TESTING EMERGENCY COMMUNICATIONS I	
		(Page 9 of 14)	
2.	(cont	inued)	
	С.	Lucie EOF conducting a communications test, h read, over?" If the TSC confirms clear transmis you can confirm clear reception of the response the radio switched to channel F1 (by depressing F2" button), following termination of the messag standby for a test. End the transmission with: " Lucie EOF, out." If transmission is unsuccessful	ledgement is is the St. iow do you sion and , then have g the "F1 / ge, and 'This is St. il, call the
	d.	following: "St. Lucie TSC, this is St. Lucie EOF, please, over." Following acknowledgement from continue with: "St. Lucie TSC, this is St. Lucie I conducting a communications test, how do you over?" If the TSC confirms a clear transmission can confirm clear reception of the response, the transmission with: "This concludes this commu- test, reset the radio to channel F2, this is St. Lu- KNGR 874 over and out." If transmission is uns	, come in m the TSC, EOF read, n and you en end the nications cie EOF successful,
	e.	Record operability status on the inventory form (Attachment 6).	
	f.	If one or both channels of the system is / are in then notify Emergency Preparedness.	operable,
3.	Pow	ering Down the Radio:	
	а.	Unplug both radios from the wall outlets.	
	3.	e. f. 3. Pow	<ul> <li>from the TSC, continue with: "St. Lucie TSC, th Lucie EOF conducting a communications test, h read, over?" If the TSC confirms clear transmis you can confirm clear reception of the response the radio switched to channel F1 (by depressing F2" button), following termination of the messag standby for a test. End the transmission with: " Lucie EOF, out." If transmission is unsuccessfu TSC and have the radio switched to channel F1 to the next step.</li> <li>d. Now test the radio which is set to channel F1. Th following: "St. Lucie TSC, this is St. Lucie EOF, please, over." Following acknowledgement from continue with: "St. Lucie TSC, this is St. Lucie EOF, please, over." Following acknowledgement from continue with: "St. Lucie TSC, this is St. Lucie E conducting a communications test, how do you over?" If the TSC confirms a clear transmission can confirm clear reception of the response, the transmission with: "This concludes this commu- test, reset the radio to channel F2, this is St. Lu- KNGR 874 over and out." If transmission is uns- call the TSC and have the radio reset to channel Proceed to the next step.</li> <li>e. Record operability status on the inventory form (Attachment 6).</li> <li>f. If one or both channels of the system is / are in- then notify Emergency Preparedness.</li> <li>3. Powering Down the Radio:</li> </ul>

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			NS FOF	APPENDIX B R TESTING EMERGENCY COMMUNICATIONS I (Page 10 of 14)	EQUIPMENT				
V.	(cont	inued)							
	J.	RX 9 Tean that t	00.937 ns. The he HP progra	Channel is a unique 900 MHz channel (TX 939.93 '5) for communications with the off-site Field Moni e radio is a Motorola Spectra which has been set Off-site Channel is the "home" channel, but it has ammed for other channels of the plant 900 MHz tra	toring up so also				
		1.	Powe	ering Up the Radio:					
			a.	Plug the power cord into the wall outlet behind t	he table.				
			b.	Press the red button on the speaker box (Astror to the up position, button will illuminate.	n RS-12S)				
			C.	Depress the "pwr" button on the Spectra radio.					
		2.	Instru	uctions for Testing:					
			а.	Contact someone at the plant to go to the TSC with the radio test, if not previously arranged.	to assist				
			b.	The home channel is "off-site," if this channel is selected (on the LED), then depress the "sel" be "off-site" shows in the display.					
			C.	Press the transmit side (with the lightning bolt) of microphone base and announce: "St. Lucie TS the St. Lucie EOF, come in please, over." Follo acknowledgement from the TSC, continue with: TSC, this is the St. Lucie EOF conducting a communications test, how do you read?" If the confirms clear transmission and you can confirm reception of the response, then end the transmi "This concludes this communications test, this is EOF, WMIF 540 over and out."	C, this is wing "St. Lucie TSC n clear ission with:				
			d.	Record operability status on the inventory form (Attachment 6).					
			e.	If the radio is inoperable, then notify Emergency Preparedness.	y				

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<u>11</u>	NSTRU	ICTION	IS FOI	RTEST	APPENDIX B NG EMERGENCY COMMUNICATIONS EQUIP (Page 11 of 14)	MENT					
V	J.	(cont	inuad)								
V.	J.	(cont	inueu)	nued)							
		3.	Pow	ering Do	own the Radio:						
			a.	Depre	ess the "pwr" button on the Spectra radio.						
			b.		red button of the speaker box to the down position will extinguish).	on					
			C.	Unplu	g the power cord from the wall outlet.						
К.		dedic and I	ated p Martin	tate Warning Point (SWP) Hot Ring Down (HRD) circuit is a ated phone system linking the State agencies, St. Lucie County lartin County with the Plant Control Rooms, Technical Support r and the Emergency Operations Facility.							
		1.	Instr	uctions	for Testing.						
			а.	Roon	the Division of Emergency Management's office 108, in the EOF and locate the phone labeled H Down (HRD).	ot					
			b.	(SWF State sayin turn v a cor State	up the handset and dial the State Warning Point P) in Tallahassee. This is done by dialing 100. The Warning Point Duty Officer will acknowledge by g, "This is State Warning Point, go ahead." You will announce "This is St. Lucie EOF, I am conduct munications check, how do you receive me? The will acknowledge. Request the State Warning P I you back on Station number 123.	n ting e					
			C.	Self 1	est procedure for additional extensions.						
				(1)	Conduct a self test on 2 extensions.						
				(1)	<ul><li>Conduct a self test on 2 extensions.</li><li>A. Extension 120 in the conference room</li></ul>						

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4 I PROCEDURE NO.:			-		EMERGENCY EQUIPMENT	55 of 59	
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<u>!</u>	NSTRI	JCTIO	NS FO	R TEST	APPENDIX B ING EMERGENCY COMMUNICATIONS I (Page 12 of 14)	EQUIPMENT	
IV.	K.	1.	C.	(cont	inued)		
				(2)	To perform the self test, adjust the volum the mid-range position. Lift the handset a the push to talk bar while speaking into the mouthpiece. You should hear yourself in handset earpiece (this is called sidetone) locate the black button on the rear of the next to the power connector. Activate the by holding this button down while simultate depressing the push to talk bar and speat the handset mouthpiece. Voice should no heard in the speaker.	and press ne handset the Now telephone test mode neously king into	
					Satisfactory completion of the self test is when the presence of sidetone is detected pressing the push to talk bar and speakin handset, and when a loopback of the spea- voice is heard in the loudspeaker while p test switch located on the rear of the term self test is a complete audio loopback of terminal's audio circuits up to, but not inco- line matching transformers. As such, this good method to evaluate instrument perf	ed while ng into the eaker's ressing the ninal. The the luding, the s test is a	
			d.		ord operability status on the inventory form achment 6).		
i			e.		e system is inoperable, notify Emergency paredness.		

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<u></u>				(Page 13 of 14)					
V.	(conti	nued)							
			link" - the "Videolink" is a closed circuit audio / visual unications link originating in the TSC with feeds to the OSC and DF.						
1.			Instru	ictions for Testing					
			а.	Contact someone at the plant to go to the TSC to assist with the test of the "Videolink", if not previously arranged.					
C.		b.	. Obtain key #14 from the keybox in room 107. The key to the keybox is located on the wall next to the box.						
		C.	use key #14 to unlock room 132.						
		d.	. Turn on the master video switch located in the rack mount cabinet.						
			e.	. In the "Bullpen", room 101, turn on the two television sets using the remote controls (one for each television set) on the Recovery Manager's table.					
			f.	Set the channel selector to channel 7 and adjust volume.					
			g.	Request the person in the TSC to provide a test broadcast.					
			h.	Operability is verified if both the video picture ar output are received on both television sets. The must be clear and the audio free from static.					
			i.	Record operability status on the inventory form (Attachment 6).					
			j.	If the "Videolink" is inoperable (one or both telev notify Emergency Planning.	vision sets),				

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					(Fage 14 01 14)	
IV.	L.	1.	(contii	nued)		
			k.	Follov	ving the completion of the test:	
				1.	Turn off both television sets in room 101	
				2.	Turn off the master video switch in room	132.
				3.	Lock room 132.	
				4.	Return key #14 to the keybox.	
v.	Site	Assemb	ly Stati	on		
	A.				check of the Site Assembly Station (SAS) on the west wall.	)
		1.		a loca prope	l call and request a call back to ensure tha rly.	at the phone
		2.	Recor	rd oper	ability status on the inventory form (Attac	nment 4).
		3.	If the	phone	is inoperable, notify Emergency Planning	

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	APPENDIX C FAX TEST FOR EOF MACHINES (Page 1 of 1)	
TO: EP DEPT		
467-7500		
THIS IS A TEST FR	OM:	
DATE://		

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TEST PERFORMED BY:		COPIER TEST FOR EOF MACHINES	
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