

50-302

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REP-01	Cancelled (Refer to REP-03.)		
REP-02	Activation and Notification of the Emergency Operations Facility Organization	72	10/10/00
REP-03	Operation of the Emergency Operations Facility	28	05/30/00
REP-03A	Setup of the Emergency Operations Facility	1	02/22/00
REP-04	Off-Site Radiological Dose Assessment Methods for the Emergency Operations Facility	9	02/16/96
REP-05	Cancelled (Refer to REP-03.)		
REP-06	Schedule for Radiological Emergency Response Plan Maintenance (limited distribution)	21	10/09/00
REP-07	Cancelled		
REP-08	Dissemination of Information Following an Emergency at Crystal River Unit 3	7	10/09/00
REP-09	Dose Assessment Software Control Program (issued only to REP Dept. personnel)	1	02/16/96
REP-10	Radiological Emergency Planning Administrative Instructions (issued only to REP Dept. personnel)	9	08/17/00
REP-11	Conduct of Drills and Exercises Supporting the Radiological Emergency Response Plan (issued only to REP Dept. personnel)	2	01/26/99
REP-12	Emergency Operations Facility Accident Assessment Procedure (limited distribution)	1	10/09/00

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**ACTIVATION AND NOTIFICATION OF THE
EMERGENCY OPERATIONS FACILITY ORGANIZATION**

REQUIRED APPROVALS

Stephen E. Chazin for J. D. Stephenson

Manager, Radiological Emergency Planning

10/9/00

Date

J. H. Holden for J. B. Cowan

Vice President, Nuclear Operations

10/10/00

Date



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TITLE: ACTIVATION AND NOTIFICATION OF THE
EMERGENCY OPERATIONS FACILITY ORGANIZATION

1.0 PURPOSE

This procedure provides instructions for the activation of the EOF Organization in response to an emergency at CR-3.

2.0 SCOPE

2.1 This procedure describes the activation of the EOF Organization and provides initial directions for assembly of emergency response personnel. It contains telephone directories for the emergency response personnel and facilities necessary for effective implementation of the RERP, and provides instructions for notifying response personnel of changes in emergency classification or of the need for a shift change.

2.2 A Safety Assessment was performed for this procedure. A determination was made that this procedure is outside the scope of 10 CFR 50.59.

3.0 APPLICABLE REFERENCE DOCUMENTS

FPC CR-3 "Radiological Emergency Response Plan"

4.0 DEFINITIONS AND ABBREVIATIONS

Terms used in this procedure are consistent with the definitions and abbreviations provided in the RERP.

4.1 DEFINITIONS

4.1.1 Activation:

To provide notification to emergency response personnel of the need to respond to the EOF for staffing and operation.

4.1.2 Operational:

The minimum functions and communication links are established and required equipment is in proper working order per the EOF checklist in REP-03.



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**TITLE: ACTIVATION AND NOTIFICATION OF THE
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4.2 ABBREVIATIONS

CR-3 - Crystal River Unit 3
ENC - Emergency News Center
EOF - Emergency Operations Facility
EOC - Emergency Operations Center
EPC - Emergency Planning Coordinator
FPC - Florida Power Corporation
OSC - Operational Support Center
REP - Radiological Emergency Planning
RERP - Radiological Emergency Response Plan
TSC - Technical Support Center

5.0 RESPONSIBILITIES AND ACTIONS

5.1 INITIAL ACTIVATION

The EOF Director is notified of any emergency that results in implementation of the RERP. In the event that the emergency is classified as a SITE AREA EMERGENCY or GENERAL EMERGENCY, the EOF Director will activate the EOF Organization. Based on assessments between the EOF Director and the Emergency Coordinator, the initial level of support required will be determined. The EOF Director will then notify those EOF members necessary for further assessment and response.

5.2 LEVEL OF ACTIVATION

The level of involvement of the various members of the EOF Organization will depend strongly on the nature of the emergency and the actions required to respond and recover. Assessment by the EOF Director, therefore, is appropriate before notifying and assembling the complete EOF Organization. The following describes the levels of involvement associated with each of the emergency classes:

a. Unusual Event

The EOF Director is notified and will notify EOF Staff as the event warrants.

b. Alert

The Emergency Coordinator will notify the EOF Director, who will notify the EOF Facility Manager; the Assistant EOF Director; the EOF Technical Support Director; the Communications Director; the



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Vice President Site Director; and the Vice President, Nuclear Operations. This notification will alert these individuals to stand by for further information, or may include a request for specific support.

The EOF Technical Support Director will notify the Corporate Health Physicist. The Corporate Health Physicist will call the EOF Dose Assessment Team members and activate at an ALERT.

The Vice President, Nuclear Operations will notify the President and Chief Executive Officer.

The EOF Director may also activate, at his discretion, other portions of the EOF Organization deemed necessary. Nuclear Security should be called to activate the EOF group pagers.

An REP Staff member will request that an FPC representative respond to the Citrus EOC and Levy EOC, when applicable.

c. **Site Area Emergency**

EOF members will be notified by telephone and/or pager of the emergency, and are required to report to their functional locations as specified in this procedure.

d. **General Emergency**

EOF members will be notified by telephone and/or pager of the emergency, and are required to report to their functional locations as specified in this procedure.

5.3 **EOF NOTIFICATIONS**

5.3.1 **Notification Network**

In order to expedite notifications, the EOF Organization functions as a notification network. The notification network is designed to provide notification of RERP activation, instructions for staffing the emergency facilities, notification of changes in emergency classification, and relay of shift change instructions. Figure 1 illustrates this network. Attachment 1 provides a directory of emergency response personnel, including the emergency positions, primary and alternate designees, and their respective telephone numbers with information arranged for use as the notification network. Each emergency position/individual responsible for implementing the network is listed at the top of a page, followed by the emergency positions/individuals he/she is responsible for contacting. If neither the primary nor the alternate(s) can be reached, the EOF Director is to be notified to designate an individual to fill the position until the primary or alternate can be located.



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During normal working hours, notification of EOF members located at CR-3 may be via pagers and/or the plant public address system. If a SITE AREA EMERGENCY is declared, EOF members should report to the EOF immediately, regardless of whether he/she is the primary or alternate for that position. Before departing for the EOF, an individual in the EOF member's department should be notified in the event he/she is called while enroute. The EOF Director will determine final staffing as needed.

5.3.2 Special Considerations

The Corporate Security Specialist is not required to report directly to the EOF since he/she must maintain the mobility necessary for fulfillment of responsibilities. However, the Corporate Security Specialist must notify the EOF Director upon assuming his/her emergency role.

5.4 NOTIFICATION OF CHANGE IN EMERGENCY CLASSIFICATION

After initially notifying EOF members that an emergency situation exists at CR-3, subsequent events may result in a reclassification of the emergency. Depending on the initial classification of the emergency and whether the change indicates a more or less serious emergency situation, varying changes in support may be appropriate. To assure EOF members are informed of changes in emergency classification in an expeditious manner, the network utilized for notification described above shall also provide the basis for notification of changes in emergency class.

Upon notification by the Emergency Coordinator that a change in emergency classification has occurred, the EOF Director shall initiate notification of the EOF Organization. This may be accomplished by announcement at the EOF, supplemented by telephone contacts; however, each individual position responsible for initial notifications per the network described in Section 5.3 above shall assure that each designated contact of the network is informed of the classification change. Each EOF member shall then respond as appropriate to the new classification or per directions provided through the EOF Director.

5.5 SHIFT CHANGE

Should the emergency situation appear to require long-term response and support, the EOF Director shall assess the need for providing personnel assignments for continuing support. If a shift change is required, the EOF Director should identify the emergency response positions necessary to maintain adequate response. Each individual filling those positions should contact their alternate to report to the emergency response facility. In the event a suitable alternate cannot be located in a timely manner, then that member should immediately inform his respective director to locate or identify a suitable replacement.



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Once the relief alternate arrives at the designated location, there shall be a briefing by the individual that has filled the position prior to the transferring of responsibilities. The briefing is to be as complete as possible and should entail, as a minimum, the scenario of the emergency, the impact on the emergency position, the contacts made, the response anticipated from inquiries made, the actions exercised, the justification for these actions, and conveyance of all forms and logs generated.

5.6 NOTIFICATION DIRECTORIES

5.6.1 As an integral part of this procedure, directories are provided for EOF personnel, support facilities, support organizations, and off-site organizations:

- a. Attachment 1 provides a directory of EOF personnel and office and home telephone numbers for notification purposes.
- b. Attachment 2 provides a directory of emergency response facilities and telephone numbers.
- c. Attachment 3 provides a directory of off-site technical organizations. The designated FPC contact is also provided.

5.6.2 Each EOF member should inform the EPC within one week of known changes in personnel when such changes affect the EOF personnel and/or telephone numbers.

5.6.3 The EPC shall be informed of changes to the listings for off-site organizations or miscellaneous support contacts.

5.6.4 These changes will be made and distributed by the EPC to holders of this procedure.

5.6.5 There shall be a quarterly review and update of the telephone numbers listed in the attachments of this procedure.

6.0 INTERPRETATION CONTACT

The responsibility for the development and maintenance of this procedure rests with the EPC. The EPC shall be contacted regarding any clarification or interpretation of requirements of this procedure.



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Rev. 44	Date: <u>10/26/93</u>	General Revisions
Rev. 45	Date: <u>01/14/94</u>	General Revisions
Rev. 46	Date: <u>04/15/94</u>	General Revisions
Rev. 47	Date: <u>07/22/94</u>	General Revisions
Rev. 48	Date: <u>10/18/94</u>	General Revisions
Rev. 49	Date: <u>01/27/95</u>	General Revisions
Rev. 50	Date: <u>05/05/95</u>	Editorial Revisions
Rev. 51	Date: <u>07/21/95</u>	Editorial Revisions
Rev. 52	Date: <u>10/24/95</u>	Editorial revisions resulting from Fourth Quarter 1995 review of notification rosters.
Rev. 53	Date: <u>02/16/96</u>	Editorial revisions for First Quarter 1996.
Rev. 54	Date: <u>04/19/96</u>	Editorial revisions for Second Quarter 1996.
Rev. 55	Date: <u>07/19/96</u>	Editorial revisions for Third Quarter 1996.
Rev. 56	Date: <u>10/07/96</u>	Editorial revisions for Fourth Quarter 1996. Added EOF Accident Assessment Team.
Rev. 57	Date: <u>02/28/97</u>	Editorial revisions for First Quarter 1997. Added EOF State and Local Government Liaison Call List and Attachment 4, "EOF Accountability/Fitness-for-Duty (FFD) Log for FPC Personnel."
Rev. 58	Date: <u>05/29/97</u>	Editorial revisions for Second Quarter 1997.
Rev. 59	Date: <u>08/19/97</u>	Editorial revisions for Third Quarter 1997. Added statement that Safety Assessment was performed.
Rev. 60	Date: <u>11/03/97</u>	Editorial revisions for Fourth Quarter 1997.
Rev. 61	Date: <u>02/12/98</u>	First Quarter 1998 Update
Rev. 62	Date: <u>04/27/98</u>	Second Quarter 1998 Update
Rev. 63	Date: <u>07/28/98</u>	Third Quarter 1998 Update
Rev. 64	Date: <u>10/08/98</u>	Fourth Quarter 1998 Update
Rev. 65	Date: <u>01/26/99</u>	First Quarter 1999 Update
Rev. 66	Date: <u>04/27/99</u>	Second Quarter 1999 Update
Rev. 67	Date: <u>07/09/99</u>	Third Quarter 1999 Update
Rev. 68	Date: <u>09/15/99</u>	Fourth Quarter 1999 Update
Rev. 69	Date: <u>01/17/00</u>	First Quarter 2000 Update
Rev. 70	Date: <u>04/18/00</u>	Second Quarter 2000 Update
Rev. 71	Date: <u>07/18/00</u>	Third Quarter 2000 Update
Rev. 72	Date: <u>10/10/00</u>	Fourth Quarter 2000 Update



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- ATTACHMENT 1 -
EOF PERSONNEL DIRECTORY AND NOTIFICATION NETWORK

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EOF DIRECTOR CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	R. E. Grazio	352/563-4756 M/W 240-4756	352/527-8679 275-0389 (P)* 352/422-8418 (C)
Alternate:	T. H. Taylor	352/563-4338 M/W 240-3605	352/564-4200 888/803-5917 (P) 352/422-8456 (C)
Alternate:	S. L. Bernhoft	352/563-4566 M/W 240-3300	352/341-0003 274-0077 (P)* 352/422-8416 (C)
Alternate:	S. G. Johnson	352/563-4384 M/W 240-3200	352/489-0499 275-3627 (P)* 352/422-8445 (C)
Alternate:	R. W. Davis	352/563-4529 M/W 240-6050	352/746-9347 274-3395 (P)* 352/422-8403 (C)

P = Pager
C = Cellular Phone

Positions enclosed by a box are required to declare the EOF operational.
Contact only one individual per emergency position. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
1	EOF Facility Manager	<input type="checkbox"/> Primary	L. G. Snow	352/563-4670 M/W 240-6169	352/563-5094 274-1159 (P)*
		<input type="checkbox"/> Alternate	D. J. Wood	352/563-4672 M/W 240-6106	352/746-0706 274-1947 (P)*
		<input type="checkbox"/> Alternate	L. W. Hardin	352/563-4591 M/W 240-6114	352/527-3662 274-1156 (P)*
		<input type="checkbox"/> Alternate	J. G. Austin	352/795-0504 M/W 240-6317	352/382-5413 275-0166 (P)* 352/422-8473 (C)
2	Assistant EOF Director	<input type="checkbox"/> Primary	K. F. Lancaster	352/563-2943 M/W 240-4040	352/344-0855 274-8484 (P)* 352/422-8931 (C)
		<input type="checkbox"/> Alternate	R. C. Widell	352/795-6486 M/W 240-4630	352/746-0646 274-0385 (P)* 352/422-8856 (C)
		<input type="checkbox"/> Alternate	Vacant		
		<input type="checkbox"/> Alternate	R. L. Linton	352/563-4680 M/W 240-6258	352/795-5512 274-5631 (P)*

* Access pager by dialing *900 from FPC internally OR 1-800-241-4653, then follow instructions.



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**EOF DIRECTOR CALL LIST
(Continued)**

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	R. E. Grazio	352/563-4756 M/W 240-4756	352/527-8679 275-0389 (P)* 352/422-8418 (C)
Alternate:	T. H. Taylor	352/563-4338 M/W 240-3605	352/564-4200 888/803-5917 (P) 352/422-8456 (C)
Alternate:	S. L. Bernhoft	352/563-4566 M/W 240-3300	352/341-0003 274-0077 (P)* 352/422-8416 (C)
Alternate:	S. G. Johnson	352/563-4384 M/W 240-3200	352/489-0499 275-3627 (P)* 352/422-8445 (C)
Alternate:	R. W. Davis	352/563-4529 M/W 240-6050	352/746-9347 274-3395 (P)* 352/422-8403 (C)

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Positions enclosed by a box are required to declare the EOF operational.
Contact only one individual per emergency position. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
3	EOF Technical Support Director	<input type="checkbox"/> Primary	J. A. Ranalli	352/563-4984 M/W 240-3284	352/597-7610 275-3704 (P)* 352/422-8893 (C)
		<input type="checkbox"/> Alternate	A. Petrowsky	352/563-4576 M/W 240-3576	352/382-3482 274-3944 (P)* 352/422-8428 (C)
		<input type="checkbox"/> Alternate	T. E. Williams	352/563-4356 M/W 240-3886	352/795-9097 274-8814 (P)* 352/422-8513 (C)
		<input type="checkbox"/> Alternate	H. B. Oates	352/563-4789 M/W 240-3777	352/382-4652 275-3675 (P)* 352/422-8414 (C)
4	Communications Director	<input type="checkbox"/> Primary	M. S. Harris	352/563-4489 M/W 240-4489	352/527-9372 274-3388 (P)* 888/760-7104 (P) 352/422-8602 (C)
		<input type="checkbox"/> Alternate	M. N. Forbrick	727/820-5023 M/W 230-5023	727/823-9693 800/940-7076 (P) 727/403-5516 (C)
		<input type="checkbox"/> Alternate	R. A. Janka	407/475-2400 M/W 280-2400	407/659-3784 or 727/866-6641 888/939-3410 (P) 407/257-3724 (C)
5	Vice President Site Director	<input type="checkbox"/>	J. J. Holden	352/563-4477 M/W 240-3605	352/382-0280 274-7467 (P)* 352/422-8411 (C)
6	Vice President, Nuclear Operations	<input type="checkbox"/>	J. P. Cowan	352/563-4594 M/W 240-3104	352/795-0964 352/422-8410 (C)

* Access pager by dialing *900 from FPC internally OR 1-800-241-4653, then follow instructions.



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EOF FACILITY MANAGER CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	L. G. Snow	352/563-4670 M/W 240-6169	352/563-5094 274-1159 (P)*
Alternate:	D. J. Wood	352/563-4672 M/W 240-6106	352/746-0706 274-1947 (P)*
Alternate:	L. W. Hardin	352/563-4591 M/W 240-6114	352/527-3662 274-1156 (P)*
Alternate:	J. G. Austin	352/795-0504 M/W 240-6317	352/382-5413 275-0166 (P)* 352/422-8473 (C)

P = Pager
C = Cellular Phone

Contact only one individual per emergency position. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
1	EOF Accountability Representative (Contact a minimum of two individuals.)	<input type="checkbox"/> Primary	F. A. Plummer	352/795-0504 M/W 240-6363	352/567-7067
		<input type="checkbox"/> Alternate	C. R. Dearing	352/795-0504 M/W 240-6174	352/746-0151
		<input type="checkbox"/> Alternate	C. L. Walters	352/795-0504 M/W 240-6109	352/489-1235
		<input type="checkbox"/> Alternate	B. R. Bagwell	352/795-0504 M/W 240-6222	352/563-2598
2	EOF Communicator	<input type="checkbox"/> Primary	J. P. Owen	352/795-0504 M/W 240-6190	352/795-2539 or 795-0344
		<input type="checkbox"/> Alternate	K. E. Hampton	352/795-0504 M/W 240-6282	352/382-5034
		<input type="checkbox"/> Alternate	H. D. Roberts	352/795-0504 M/W 240-6128	352/628-4042
3	EOF Setup/Status Boards** (Notify all positions for initial setup.)	<input type="checkbox"/> Primary	R. G. Cardinali	352/795-0504 M/W 240-6185	352/726-5267
		<input type="checkbox"/> Alternate	J. C. Elam	352/795-0504 M/W 240-6134	352/795-4784
		<input type="checkbox"/> Alternate	W. E. Gwaltney	352/795-0504 M/W 240-6118	352/746-0359
		<input type="checkbox"/> Alternate	D. W. Savage	352/795-0504 M/W 240-6289	352/489-5043
		<input type="checkbox"/> Alternate	R. L. Rogers	352/795-0504 M/W 240-6342	352/563-5563 275-3381 (P)*
		<input type="checkbox"/> Alternate	L. W. Hensley	352/795-0504 M/W 240-6186	352/726-2302
		<input type="checkbox"/> Alternate	M. A. Grider	352/795-0504 M/W 240-6119	352/795-1254
		<input type="checkbox"/> Alternate	G. J. Sweeney	352/795-0504 M/W 240-6267	352/527-2380
<input type="checkbox"/> Alternate	R. W. Armstrong	352/795-0504 M/W 240-6118	352/726-9073 274-8448 (P)*		

*Access pager by dialing *900 from FPC internally OR 1-800-241-4653, then follow instructions.

**First responsibility is the setup of the EOF. After setup is complete, the EOF Facility Manager will assign personnel for updating the status boards.



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ASSISTANT EOF DIRECTOR CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	K. F. Lancaster	352/563-2943 M/W 240-4040	352/344-0855 274-8484 (P)* 352/422-8931 (C)
Alternate:	R. C. Widell	352/795-6486 M/W 240-4630	352/746-0646 274-0385 (P)* 352/422-8856 (C)
Alternate:	M. A. Trump	352/563-4974 M/W 240-6174	352/527-8840 274-0481 (P)* 352/422-8473 (C)
Alternate:	R. L. Linton	352/563-4680 M/W 240-6258	352/795-5512 274-5631 (P)*

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C = Cellular Phone

Contact only one individual per emergency position unless otherwise indicated. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
1	Administrative Manager	<input type="checkbox"/> Primary	J. M. Anna	352/563-4480 M/W 240-4480	352/795-0067
		<input type="checkbox"/> Alternate	N. J. Hooper	352/422-8431 M/W 240-8431	352/795-9568 274-1212 (P)*
		<input type="checkbox"/> Alternate	M. A. Riley	352/563-4848 M/W 240-4848	352/489-5875
2	EOF State and Local Government Liaison	<input type="checkbox"/> Primary	F. Frando	352/563-4795 M/W 240-3045	352/465-7343
		<input type="checkbox"/> Alternate	L. V. Cecilia	352/563-4546 M/W 240-3190	352/563-0046 275-3679 (P)*
		<input type="checkbox"/> Alternate	P. E. Infanger	352/563-4796 M/W 240-3166	352/873-4863 274-4935 (P)* 352/422-8455 (C)
3	FPC State EOC Representative	<input type="checkbox"/> Primary	R. M. Bright	352/563-4771 M/W 240-3319	352/447-4708 274-8887 (P)*
		<input type="checkbox"/> Alternate	K. R. Wilson	352/795-6486 M/W 240-3413	352/332-8709 352/422-8933 (C)
4	State and County EOC Communicator	<input type="checkbox"/> Primary	R. G. Surber	352/795-0504 M/W 240-6326	352/795-8014 274-0680 (P)*
		<input type="checkbox"/> Alternate	B. P. Komara	352/563-4679 M/W 240-6140	352/795-3959 274-7541 (P)*
		<input type="checkbox"/> Alternate	Vacant		
5	INPO Duty Officer			800/321-0614	

* Access pager by dialing *900 from FPC internally OR 1-800-241-4653, then follow instructions.



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EMERGENCY OPERATIONS FACILITY ORGANIZATION**

- ATTACHMENT 1 -
EOF PERSONNEL DIRECTORY AND NOTIFICATION NETWORK

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EOF TECHNICAL SUPPORT DIRECTOR CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	J. A. Ranalli	352/563-4984 M/W 240-3284	352/597-7610 275-3704 (P)* 352/422-8893 (C)
Alternate:	A. Petrowsky	352/563-4576 M/W 240-3576	352/382-3482 274-3944 (P)* 352/422-8428 (C)
Alternate:	T. E. Williams	352/563-4356 M/W 240-3886	352/795-9097 274-8814 (P)* 352/422-8513 (C)
Alternate:	H. B. Oates	352/563-4789 M/W 240-3777	352/382-4652 275-3675 (P)* 352/422-8414 (C)

P = Pager
C = Cellular Phone

Positions enclosed by a box are required to declare the EOF operational.
Contact only one individual per emergency position unless otherwise indicated. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
1	Corporate Health Physicist	<input type="checkbox"/> Primary	S. M. Garry	352/563-4777 M/W 240-3281	352/746-9625 274-7686 (P)* 352/422-8457 (C)
		<input type="checkbox"/> Alternate	A. Kazemfar	352/563-4874 M/W 240-3333	352/795-7988 274-3603 (P)* 352/422-8825 (C)
		<input type="checkbox"/> Alternate	D. A. McCollough	352/563-4386 M/W 240-4386	352/564-9288 274-3407 (P)*
2	EOF Accident Assessment Coordinator	<input type="checkbox"/> Primary	J. G. Smith	352/795-0504 M/W 240-6042	352/795-3827 274-6859 (P)*
		<input type="checkbox"/> Alternate	G. P. Hebb	352/795-6486 M/W 240-3884	352/382-3391 275-2952 (P)* 352/422-8604 (C)
		<input type="checkbox"/> Alternate	J. L. Springer	352/795-6486 M/W 240-3452	352/795-7508 274-3390 (P)*

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CORPORATE HEALTH PHYSICIST CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	S. M. Garry	352/563-4777 M/W 240-3281	352/746-9625 274-7686 (P)* 352/422-8457 (C)
Alternate:	A. Kazemfar	352/563-4874 M/W 240-3333	352/795-7988 274-3603 (P)* 352/422-8825 (C)
Alternate:	D. A. McCollough	352/563-4386 M/W 240-4386	352/564-9288 274-3407 (P)*

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Contact only one individual per emergency position unless otherwise indicated. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
1	EOF Dose Assessment Member (Contact a minimum of three individuals for this position.)	<input type="checkbox"/> Primary	P. F. Ezzell	352/563-4778 M/W 240-3624	352/795-6114 274-8413 (P)*
		<input type="checkbox"/> Alternate	J. H. Payne	352/563-4306 M/W 240-3126	352/465-4034 274-8303 (P)*
		<input type="checkbox"/> Alternate	G. H. Cadwell	352/422-8995 M/W 240-8995	352/795-4347 274-8479 (P)*
		<input type="checkbox"/> Alternate	J. D. Gilbert	352/563-2943 M/W 240-3173	352/382-4331 274-3260 (P)* 352/422-8469 (C)
		<input type="checkbox"/> Alternate	S. D. Brown	352/795-0504 M/W 240-6327	352/527-9374 274-1380 (P)*
2	FPC Field Team Liaison	<input type="checkbox"/> Primary	D. J. Bourscheid	352/795-0504 M/W 240-6135	352/795-3996
		<input type="checkbox"/> Alternate	S. D. Mansfield	352/795-0504 M/W 240-6172	352/795-0532 275-3380 (P)*
		<input type="checkbox"/> Alternate	Member of TSC Radiation Monitoring Team		

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EOF ACCIDENT ASSESSMENT COORDINATOR CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	J. G. Smith	352/795-0504 M/W 240-6042	352/795-3827 274-6859 (P)*
Alternate:	G. P. Hebb	352/795-6486 M/W 240-3884	352/382-3391 275-2952 (P)* 352/422-8604 (C)
Alternate:	J. L. Springer	352/795-6486 M/W 240-3452	352/795-7508 274-3390 (P)*

P = Pager
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Contact only one individual per emergency position. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
1	EOF Accident Assessment Operations Representative	<input type="checkbox"/> Primary	C. M. Crosten	352/795-0504 M/W 240-6191	352/795-8020 274-8462 (P)*
		<input type="checkbox"/> Alternate	A. T. Kennedy	352/795-0504 M/W 240-6129	352/563-1739 274-8462 (P)*
		<input type="checkbox"/> Alternate	M. Gallian	352/795-0504 M/W 240-6290	352/795-9044 274-8462 (P)*
		<input type="checkbox"/> Alternate	M. P. Holmes	352/795-0504 M/W 240-6254	352/795-1713 274-8462 (P)*
		<input type="checkbox"/> Alternate	D. E. Smith	352/795-0504 M/W 240-6253	352/795-8009 274-8462 (P)*
2	EOF Accident Assessment Engineer	<input type="checkbox"/> Primary	T. V. Austin	352/563-4515 M/W 240-3046	352/795-7265 275-3465 (P)*
		<input type="checkbox"/> Alternate	J. L. O'Brian	352/795-6486 M/W 240-3832	352/344-4003 274-0029 (P)* 352/422-8813 (C)
		<input type="checkbox"/> Alternate	S. J. Roe	352/795-6486 M/W 240-3516	352/628-0158 274-6749 (P)*
		<input type="checkbox"/> Alternate	S. K. Balliet	352/563-4508 M/W 240-3394	352/564-1795 274-3945 (P)*
		<input type="checkbox"/> Alternate	J. S. Endsley	352/563-4866 M/W 240-3070	352/795-5382 274-2912 (P)*
<input type="checkbox"/> Alternate	R. Iwachow	352/795-6486 M/W 240-3562	352/746-4865 274-6756 (P)* 352/422-8471 (C)		
3	EOF Risk Analysis Representative	<input type="checkbox"/> Primary	D. N. Miskiewicz	352/795-6486 M/W 240-3019	352/746-0685 274-0436 (P)*
		<input type="checkbox"/> Alternate	J. R. Weaver	352/795-6486 M/W 240-3315	352/795-8924
		<input type="checkbox"/> Alternate	L. W. Harris	352/795-6486 M/W 240-3705	352/489-3197 274-6739 (P)*

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- ATTACHMENT 1 -
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EOF STATE AND LOCAL GOVERNMENT LIAISON CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	F. Frando	352/563-4795 M/W 240-3045	352/465-7343
Alternate:	L. V. Cecilia	352/563-4546 M/W 240-3190	352/563-0046 275-3679 (P)*
Alternate:	P. E. Infanger	352/563-4796 M/W 240-3166	352/873-4863 274-4935 (P)* 352/422-8455 (C)

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<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted:</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
1	EOF NRC Liaison	<input type="checkbox"/> Primary	W. J. Pike	352/563-4970 M/W 240-3642	352/527-8853 275-3685 (P)* 352/422-8409 (C)
		<input type="checkbox"/> Alternate	P. M. Peterson	352/795-6486 M/W 240-3602	352/382-0342 275-3683 (P)*
		<input type="checkbox"/> Alternate	Vacant		
2	FPC Citrus County EOC Representative	<input type="checkbox"/> Primary	M. R. Casada	352/795-6486 M/W 240-3354	352/726-2317
		<input type="checkbox"/> Alternate	G. W. Wilson	352/795-6486 M/W 240-3850	352/746-3174 274-0596 (P)*
3	FPC Levy County EOC Representative	<input type="checkbox"/> Primary	M. E. Collins	352/795-6486 M/W 240-3648	352/331-6559
		<input type="checkbox"/> Alternate	L. R. McDougal	352/563-4988 M/W 240-3988	352/375-7033 275-3682 (P)* 352/422-8598 (C)

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- ATTACHMENT 2 -

FACILITY DIRECTORY

<u>Facility</u>	<u>Location</u>	<u>Telephone</u>
EOF and ENC	Nuclear Operations Training Facility Crystal River, FL	352/795-0504
	FPC Business Offices:	
	Dunnellon, FL	352/465-2334 M/W 220-6550
	Inverness, FL	352/726-4049
	Crystal River, FL	352/795-6382 M/W 240-6307
TSC/OSC	CR-3 Nuclear Plant Crystal River, FL	Refer to Emergency Facility Telephone Book.



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SERVICE	NAME/CONTACT	TELEPHONE	FPC CONTACT(S)
AIRCRAFT SERVICE	FPC Flight Dept.	727/531-2308 (W)	
	(1) Jill A. Raley	(1) 727/321-9633 (H) 727/529-6028 (P)	
	(2) Joe R. Skidmore	(2) 941/747-9766 (H) 800/913-0828 (P)	
AMBULANCE SERVICE (Non-Radiological and Radiological)	Florida Regional Emergency Medical Services 110 N. Apopka Ave. Inverness, FL	9-1-1	
BABCOCK & WILCOX (B&W) (See FRAMATOME TECHNOLOGIES.)			
COUNTY EMERGENCY MANAGEMENT/DISASTER PREPAREDNESS			
CITRUS COUNTY	James T. Soukup	352/726-4488, X277 352/746-6555 (24 hrs.) 352/344-8779 (H) 352/898-5926 (P) 352/422-4392 (C)	EOF State and Local Government Liaison
	FPC Representative at Citrus EOC	352/527-2407	
LEVY COUNTY	Paula E. Lane	352/486-5213 352/490-5263 (H) 352/215-8364 (C) 800/241-4653 (P) (274-5552)	EOF State and Local Government Liaison
	FPC Representative at Levy EOC	352/486-5428	



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SERVICE	NAME/CONTACT	TELEPHONE	FPC CONTACT(S)
DOE (U.S. DEPARTMENT OF ENERGY)			
REAC/TS, OAK RIDGE ASSOCIATED UNIVERSITIES (ORAU)	Dr. Robert C. Ricks	865/576-3131 (8 a.m. - 4:30 p.m.) 865/576-1005 (24 hr./emergency)	
OAK RIDGE NATIONAL LABORATORIES (ORNL)	Dr. Lee R. Riciputi	865/574-2449	
DOE RADIOLOGICAL ASSISTANCE PROGRAM (RAP)		865/576-1005 865/525-7885	
E			
ELECTRIC POWER RESEARCH INSTITUTE (EPRI) (California)		650/855-2000 650/855-2321 (EPRI Security)	
NUCLEAR SAFETY DEPT. OF NUCLEAR POWER DIVISION OF EPRI	Theodore Marston	650/855-2997	
U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION IV (EPA)		404/562-8700 (24 hr. emergency response)	Assistant EOF Director
EMERGENCY EQUIPMENT REPAIR			
RADIOLOGICAL MONITORING EQUIPMENT	Don G. Price, Jr. Southeastern Atomic Labs (Gainesville, FL)	352/372-9716 (W)	
F			
FEDERAL EMERGENCY MANAGEMENT AGENCY, REGION IV (FEMA) (Atlanta, GA)		770/220-5200 (24 hr. service)	EOF Director



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SERVICE	NAME/CONTACT	TELEPHONE	EOF CONTACT(S)
FPC SUPPORT**			
CLAIMS	Richard L. Anderson	Office: 727/826-4392 M/W 230-4392 Pager: 800/280-6493 276-2491 Home: 727/391-8969	
	Tom E. Moorhouse	Office: 727/826-4300 M/W 230-4300 Home: 727/443-5500	
COMPUTER SERVICES SUPPORT (Information Technology)	Darryl L. Kendall	Office: 352/563-2943 M/W 240-4162 Pager: 800/280-6493 276-1456 Cell: 352/422-8438 Home: 352/563-5273	
	Karen E. Kirkland	Office: 352/563-4628 M/W 240-4628 Pager: 800/280-6493 276-1429 Cell: 352/422-8435 Home: 352/621-0462	
EMPLOYEE INFORMATION (FPC) (Human Resources Systems Request)	Marilyn C. Marra	Office: 727/820-5795 M/W 230-5795 Home: 727/319-4161	
	Ray A. Edmonds, Jr.	Office: 352/795-0504 M/W 240-6376 Pager: 800/280-6493 276-2125 Home: 352/795-0380	

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** The individuals in this category are contact points for support and do not necessarily respond to the EOF.



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SERVICE	NAME/CONTACT	TELEPHONE	EOF CONTACT(S)
FPC SUPPORT** (Cont'd)			
SIMULATOR SUPPORT	R. Dave deMontfort	Office: 352/563-4948 M/W 240-6248 Pager: 275-0287* Home: 352/795-9693	
	Don E. Smith	Office: 352/795-0504 M/W 240-6253 Home: 352/795-8009	
TELECOMMUNICATIONS (Information Technology Support)	F. Jon Cembruch	Office: 352/795-6844 M/W 240-6207 Pager: 276-2999*** Cell: 352/422-8406 Home: 904/454-1226	
	Donna L. Davis	Office: 352/563-4997 M/W 240-6879 Pager: 276-2376*** Home: 352/621-9737	
	John E. Farabaugh	Office: 352/563-4996 M/W 240-5678 Pager: 276-2378*** Cell: 352/422-8717 Home: 352/795-5974	
TRANSPORTATION	F. Jay Wooldridge	Office: 727/893-9721 M/W 220-3721 Pager: 276-1238*** Home: 727/544-4182	
	Gail F. Phifer (Mr.)	Office: 727/893-9382 M/W 220-3382 Pager: 276-1248*** Home: 727/381-4126	

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*** Access pager by dialing 1-800-280-6493, then follow instructions.



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SERVICE	NAME/CONTACT	TELEPHONE	EOF CONTACT(S)
FRAMATOME TECHNOLOGIES (formerly Babcock & Wilcox)			
FRAMATOME TECHNOLOGIES	Framatome Technologies	804/832-3000 or -3001 (switchboard - 24 hrs.)	EOF Accident Assessment Coordinator
FRAMATOME TECHNOLOGIES CUSTOMER SERVICE MANAGER	John M. Helmeý	804/832-3359 (W) 804/525-0583 (H)	
GILBERT ASSOCIATES, INC. (See Parsons Power.)			
HOSPITALS NON-RADIOLOGICAL OR RADIOLOGICAL INJURIES:			
SEVEN RIVERS COMMUNITY HOSPITAL		352/795-6560 352/795-8335 (Emergency Room)	
CITRUS MEMORIAL HOSPITAL		352/726-1551 352/344-6569 (Emergency Room)	
I			
AMERICAN NUCLEAR INSURERS (ANI) (Property Damage and Fire Protection Impairments)		860/561-3433	
NUCLEAR ELECTRIC INSURANCE LIMITED (NEIL)		302/888-3000 FAX: 302/888-3095	
INSTITUTE OF NUCLEAR POWER OPERATIONS (INPO)	INPO Duty Officer Emergency Response Center	800/321-0614 770/644-8000 (switchboard) TELECOPY: (PRI) 770/644-8549 (ALT) 770/644-8567	EOF Director/ Communications Director

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SERVICE	NAME/CONTACT	TELEPHONE	FPC CONTACT(S)
NRC (U.S. NUCLEAR REGULATORY COMMISSION) (Cont'd)			
CR-3 RESIDENT INSPECTOR	J. "Scott" Stewart Steven P. Sanchez	352/795-7677 (W) 352/795-7678 (W) 352/527-9474 (H) 274-3420 (P)* 352/338-7571 (H) 274-9855 (P)*	EOF Director
OPERATIONS RESPONSE CENTER (Rockville, MD)		301/816-5100 301/951-0550	EOF Director
REACTOR PROJECTS (REGION II) (Atlanta, GA)	Loren R. Plisco	404/562-4501 800/636-2703 (P)	EOF Director
NRC REGION II HEADQUARTERS (Atlanta, GA)		404/562-4400	EOF Director
NRC REGION II FACSIMILE (Atlanta, GA)		404/562-4900 404/562-4901	
NRC OPERATIONS CENTER FACSIMILE (Rockville, MD)		301/816-5151	
PUBLIC INFORMATION OFFICE (Atlanta, GA)	Ken M. Clark Roger D. Hannah	404/562-4416 404/562-4980 (FAX) 404/562-4417	Corporate Communications Director
NRC OPERATIONS CENTER (Rockville, MD)	Emergency Notification System (ENS)	(1) 301/816-5100 (2) 301/951-0550 (3) 301/415-0553	EOF Director
NRC OPERATIONS CENTER (Rockville, MD)	Health Physics Network (HPN)	(1) 301/816-5100 (2) 301/951-0550	EOF Director
NRC OPERATIONS CENTER (Rockville, MD)	NRC Operator	301/415-7000	EOF Director

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SERVICE	NAME/CONTACT	TELEPHONE	FPC CONTACT(S)
OFF-SITE MONITORING			
HYDROLOGIC: SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (Brooksville, FL)		352/796-7211 352/796-1211 (after hours)	
METEOROLOGICAL: FAA FLIGHT SERVICE STATION (Gainesville, FL) (St. Petersburg, FL)	Flight Service Station Flight Service Station	800/992-7433 352/371-9702 727/536-6290 — Shift Supv. 727/536-6980 — 727/539-7491 (M-F only)	
TAMPA WEATHER SERVICE (Ruskin, FL)	Meteorologist Recorded Info. Emergency Only	813/645-2323 813/645-2506 813/645-4111 (24 hrs.)	
SEISMIC: U.S. GEOLOGICAL SURVEY (Menlo Park, CA) (Golden, CO)		650/853-8300 303/273-8500	
UNIVERSITY OF FLORIDA DEPT. OF GEOLOGY	Dr. Douglas Smith	352/392-6766 (Office) 352/392-2231 (Dept.)	
PARSONS POWER (formerly Gilbert Associates, Inc.)			
PARSONS POWER	Robert E. Vaughn	610/855-2000, X2061 or 610/855-2061 (direct)	EOF Accident Assessment Coordinator



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SERVICE	NAME/CONTACT	TELEPHONE	FPC CONTACT(S)
STATE AGENCIES			
DEPT. OF HEALTH (DOH), BUREAU OF RADIATION CONTROL (Orlando, FL)	Harlan W. Keaton	407/297-2095 (W) 863/439-2686 (H)	Assistant EOF Director
	Jearold C. Eakins	407/297-2095 (W) 407/880-2697 (H)	
	John A. Williamson	407/297-2095 (W) 407/389-0213 (H)	
DEPT. OF HEALTH (DOH), BUREAU OF RADIATION CONTROL (Cont'd) (Orlando, FL)	DOH Mobile Lab (MERL) at EOF DOH Mobile Lab (MERL) at FPC Substation	352/795-9509 352/795-1716	EOF Director
STATE WARNING POINT (Tallahassee, FL)	State Duty Warning Officer	850/413-9911 800/320-0519 850/413-9910 850/488-7841 (FAX)	
UTILITIES			
FLORIDA POWER & LIGHT CO. (System Power Coordinator)	System Operator	305/442-5744 (24 hr. service) 305/442-5742 (interchange desk) 305/442-5743 (generation desk)	Assistant EOF Director
FLORIDA POWER CORPORATION (CR-3 Control Room)	Nuclear Shift Manager (NSM)	352/795-6958 877/563-4940 352/422-8898 (C)	
NUCLEAR ENERGY INSTITUTE (NEI)		202/739-8000 202/785-4019 (FAX)	Corporate Communications Director
UNITED TELEPHONE OF FLORIDA	Bonnie K. Stout	352/368-8706 For emergencies, after 5 p.m., weekends, and holidays, dial 611 (repair service).	Assistant EOF Director

Date: _____

EOF ACCOUNTABILITY/FITNESS-FOR-DUTY (FFD) LOG FOR FPC PERSONNEL								
PRINTED NAME	EMERGENCY TITLE	BADGE NO.	TIME IN	TIME OUT	FFD*		SIGNATURE	AUTH.**
					YES	NO		
Anna, J. M.	Administrative Manager							
Armstrong, R. W.	EOF Setup/Status Boards							
Austin, J. G.	EOF Facility Manager							
Austin, T. V.	EOF Accident Assess. Engr.							
Bagwell, B. R.	EOF Accountability Rep.							
Balliet, S. K.	EOF Accident Assess. Engr.							
Bernhoft, S. L.	EOF Director							
Bourscheid, D. J.	FPC Field Team Liaison							
Bright, R. M.	FPC State EOC Rep.							
Brown, S. D.	EOF Dose Assessment Member							
Cadwell, G. H.	EOF Dose Assessment Member							
Cardinali, R. G.	EOF Setup/Status Boards							
Casada, M. R.	FPC Citrus Co. EOC Rep.							
Cecilia, L. V.	EOF State & Local Govt. Liaison							
Christie, G. A.	Materials Manager							
Collins, M. E.	FPC Levy Co. EOC Rep.							

* An emergency responder is considered "fit-for-duty" if they have not consumed any alcohol during the pre-duty 5 hour abstinence period. If YES (fit-for-duty), access may be granted. If NO (not fit-for-duty), the EOF Accountability Representative should notify the EOF Director and instruct the individual to report to the area designated by the EOF Director and stand by for further instructions.

** The EOF Director may approve an individual who has not met the 5 hour abstinence period requirement to staff an emergency position provided a determination of fitness-for-duty is made. This may be accomplished by breath analysis. In addition, a responsible supervisor shall interview the employee to further ascertain fitness-for-duty. If the individual is fit-for-duty, no further authorization is required.

Date: _____

- ATTACHMENT 4 (Cont'd) -

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EOF ACCOUNTABILITY/FITNESS-FOR-DUTY (FFD) LOG FOR FPC PERSONNEL								
PRINTED NAME	EMERGENCY TITLE	BADGE NO.	TIME IN	TIME OUT	FFD*		SIGNATURE	AUTH.**
					YES	NO		
Cowan, J. P.	Vice President, Nucl. Ops.							
Crosten, C. M.	EOF Acc. Assess. Ops. Rep.							
Davis, R. W.	EOF Director							
Dearing, C. R.	EOF Accountability Rep.							
Elam, J. C.	EOF Setup/Status Boards							
Endsley, J. S.	EOF Accident Assess. Engr.							
Ezzell, P. F.	EOF Dose Assessment Member							
Forbrick, M. N.	Communications Director							
Frando, F.	EOF State & Local Govt. Liaison							
Gallian, M.	EOF Acc. Assess. Ops. Rep.							
Garry, S. M.	Corporate Health Physicist							
Gilbert, J. D.	EOF Dose Assessment Member							
Grazio, R. E.	EOF Director							
Grider, M. A.	EOF Setup/Status Boards							
Gwaltney, W. E.	EOF Setup/Status Boards							
Hampton, K. E.	EOF Communicator							
Hardin, L. W.	EOF Facility Manager							
Harrelson, D. H.	Corporate Security Spec.							
Harris, L. W.	EOF Risk Analysis Rep.							
Harris, M. S.	Communications Director							

Date: _____

- ATTACHMENT 4 (Cont'd) -

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EOF ACCOUNTABILITY/FITNESS-FOR-DUTY (FFD) LOG FOR FPC PERSONNEL								
PRINTED NAME	EMERGENCY TITLE	BADGE NO.	TIME IN	TIME OUT	FFD*		SIGNATURE	AUTH.**
					YES	NO		
Hebb, G. P.	EOF Accident Assess. Coord.							
Hensley, L. W.	EOF Setup/Status Boards							
Holden, J. J.	Vice Pres. Site Director							
Holmes, M. P.	EOF Acc. Assess. Ops. Rep.							
Hooper, N. J.	Administrative Manager							
Infanger, P. E.	EOF State & Local Govt. Liaison							
Iwachow, R.	EOF Accident Assess. Engr.							
Janka, R. A.	Communications Director							
Johnson, S. G.	EOF Director							
Kazemfar, A.	Corporate Health Physicist							
Kennedy, A. T.	EOF Acc. Assess. Ops. Rep.							
Komara, B. P.	State and County EOC Communicator							
Lancaster, K. F.	Asst. EOF Director							
Linton, R. L.	Asst. EOF Director							
Mansfield, S. D.	FPC Field Team Liaison							
McCollough, D. A.	Corporate Health Physicist							
McDougal, L. R.	FPC Levy Co. EOC Rep.							
Miskiewicz, D. N.	EOF Risk Analysis Rep.							
Oates, H. B.	EOF Tech. Support Director							

Date: _____

EOF ACCOUNTABILITY/FITNESS-FOR-DUTY (FFD) LOG FOR FPC PERSONNEL								
PRINTED NAME	EMERGENCY TITLE	BADGE NO.	TIME IN	TIME OUT	FFD*		SIGNATURE	AUTH.**
					YES	NO		
O'Brian, J. L.	EOF Accident Assess. Engr.							
Owen, J. P.	EOF Communicator							
Payne, J. H.	EOF Dose Assessment Member							
Peterson, P. M.	EOF NRC Liaison							
Petrowsky, A.	EOF Tech. Support Director							
Pike, W. J.	EOF NRC Liaison							
Plummer, F. A.	EOF Accountability Rep.							
Ranalli, J. A.	EOF Tech. Support Director							
Riley, M. A.	Administrative Manager							
Roberts, H. D.	EOF Communicator							
Roe, S. J.	EOF Accident Assess. Engr.							
Rogers, R. L.	EOF Setup/Status Boards							
Ruether, M. I.	Materials Manager							
Savage, D. W.	EOF Setup/Status Boards							
Slotke, R. J.	Materials Manager							
Smith, D. E.	EOF Acc. Assess. Ops. Rep.							
Smith, J. G.	EOF Accident Assess. Coord.							
Snow, L. G.	EOF Facility Manager							
Springer, J. L.	EOF Accident Assess. Coord.							

Date: _____

EOF ACCOUNTABILITY/FITNESS-FOR-DUTY (FFD) LOG FOR FPC PERSONNEL								
PRINTED NAME	EMERGENCY TITLE	BADGE NO.	TIME IN	TIME OUT	FFD*		SIGNATURE	AUTH.**
					YES	NO		
Surber, R. G.	State and County EOC Communicator							
Sweeney, G. J.	EOF Setup/Status Boards							
Taylor, T. H.	EOF Director							
Walters, C. L.	EOF Accountability Rep.							
Watson, D. D.	Corporate Security Spec.							
Weaver, J. R.	EOF Risk Analysis Rep.							
Widell, R. C.	Asst. EOF Director							
Wilson, G. W.	FPC Citrus Co. EOC Rep.							
Wilson, K. R.	FPC State EOC Rep.							
Williams, T. E.	EOF Tech. Support Director							
Wood, D. J.	EOF Facility Manager							



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**ACTIVATION AND NOTIFICATION OF THE
EMERGENCY OPERATIONS FACILITY ORGANIZATION**

REQUIRED APPROVALS

Stephen E. Chazin for J.D. Stephenson

Manager, Radiological Emergency Planning

10/9/00

Date

Alford J. Cowe

Vice President, Nuclear Operations

10/10/00

Date



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TITLE: ACTIVATION AND NOTIFICATION OF THE
EMERGENCY OPERATIONS FACILITY ORGANIZATION

1.0 PURPOSE

This procedure provides instructions for the activation of the EOF Organization in response to an emergency at CR-3.

2.0 SCOPE

2.1 This procedure describes the activation of the EOF Organization and provides initial directions for assembly of emergency response personnel. It contains telephone directories for the emergency response personnel and facilities necessary for effective implementation of the RERP, and provides instructions for notifying response personnel of changes in emergency classification or of the need for a shift change.

2.2 A Safety Assessment was performed for this procedure. A determination was made that this procedure is outside the scope of 10 CFR 50.59.

3.0 APPLICABLE REFERENCE DOCUMENTS

FPC CR-3 "Radiological Emergency Response Plan"

4.0 DEFINITIONS AND ABBREVIATIONS

Terms used in this procedure are consistent with the definitions and abbreviations provided in the RERP.

4.1 DEFINITIONS

4.1.1 Activation:

To provide notification to emergency response personnel of the need to respond to the EOF for staffing and operation.

4.1.2 Operational:

The minimum functions and communication links are established and required equipment is in proper working order per the EOF checklist in REP-03.



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4.2 ABBREVIATIONS

CR-3 - Crystal River Unit 3
ENC - Emergency News Center
EOF - Emergency Operations Facility
EOC - Emergency Operations Center
EPC - Emergency Planning Coordinator
FPC - Florida Power Corporation
OSC - Operational Support Center
REP - Radiological Emergency Planning
RERP - Radiological Emergency Response Plan
TSC - Technical Support Center

5.0 RESPONSIBILITIES AND ACTIONS

5.1 INITIAL ACTIVATION

The EOF Director is notified of any emergency that results in implementation of the RERP. In the event that the emergency is classified as a SITE AREA EMERGENCY or GENERAL EMERGENCY, the EOF Director will activate the EOF Organization. Based on assessments between the EOF Director and the Emergency Coordinator, the initial level of support required will be determined. The EOF Director will then notify those EOF members necessary for further assessment and response.

5.2 LEVEL OF ACTIVATION

The level of involvement of the various members of the EOF Organization will depend strongly on the nature of the emergency and the actions required to respond and recover. Assessment by the EOF Director, therefore, is appropriate before notifying and assembling the complete EOF Organization. The following describes the levels of involvement associated with each of the emergency classes:

a. Unusual Event

The EOF Director is notified and will notify EOF Staff as the event warrants.

b. Alert

The Emergency Coordinator will notify the EOF Director, who will notify the EOF Facility Manager; the Assistant EOF Director; the EOF Technical Support Director; the Communications Director; the



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Vice President Site Director; and the Vice President, Nuclear Operations. This notification will alert these individuals to stand by for further information, or may include a request for specific support.

The EOF Technical Support Director will notify the Corporate Health Physicist. The Corporate Health Physicist will call the EOF Dose Assessment Team members and activate at an ALERT.

The Vice President, Nuclear Operations will notify the President and Chief Executive Officer.

The EOF Director may also activate, at his discretion, other portions of the EOF Organization deemed necessary. Nuclear Security should be called to activate the EOF group pagers.

An REP Staff member will request that an FPC representative respond to the Citrus EOC and Levy EOC, when applicable.

c. Site Area Emergency

EOF members will be notified by telephone and/or pager of the emergency, and are required to report to their functional locations as specified in this procedure.

d. General Emergency

EOF members will be notified by telephone and/or pager of the emergency, and are required to report to their functional locations as specified in this procedure.

5.3 EOF NOTIFICATIONS

5.3.1 Notification Network

In order to expedite notifications, the EOF Organization functions as a notification network. The notification network is designed to provide notification of RERP activation, instructions for staffing the emergency facilities, notification of changes in emergency classification, and relay of shift change instructions. Figure 1 illustrates this network. Attachment 1 provides a directory of emergency response personnel, including the emergency positions, primary and alternate designees, and their respective telephone numbers with information arranged for use as the notification network. Each emergency position/individual responsible for implementing the network is listed at the top of a page, followed by the emergency positions/individuals he/she is responsible for contacting. If neither the primary nor the alternate(s) can be reached, the EOF Director is to be notified to designate an individual to fill the position until the primary or alternate can be located.



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Once the relief alternate arrives at the designated location, there shall be a briefing by the individual that has filled the position prior to the transferring of responsibilities. The briefing is to be as complete as possible and should entail, as a minimum, the scenario of the emergency, the impact on the emergency position, the contacts made, the response anticipated from inquiries made, the actions exercised, the justification for these actions, and conveyance of all forms and logs generated.

5.6 NOTIFICATION DIRECTORIES

5.6.1 As an integral part of this procedure, directories are provided for EOF personnel, support facilities, support organizations, and off-site organizations:

- a. Attachment 1 provides a directory of EOF personnel and office and home telephone numbers for notification purposes.
- b. Attachment 2 provides a directory of emergency response facilities and telephone numbers.
- c. Attachment 3 provides a directory of off-site technical organizations. The designated FPC contact is also provided.

5.6.2 Each EOF member should inform the EPC within one week of known changes in personnel when such changes affect the EOF personnel and/or telephone numbers.

5.6.3 The EPC shall be informed of changes to the listings for off-site organizations or miscellaneous support contacts.

5.6.4 These changes will be made and distributed by the EPC to holders of this procedure.

5.6.5 There shall be a quarterly review and update of the telephone numbers listed in the attachments of this procedure.

6.0 INTERPRETATION CONTACT

The responsibility for the development and maintenance of this procedure rests with the EPC. The EPC shall be contacted regarding any clarification or interpretation of requirements of this procedure.



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Rev. 44	Date: <u>10/26/93</u>	General Revisions
Rev. 45	Date: <u>01/14/94</u>	General Revisions
Rev. 46	Date: <u>04/15/94</u>	General Revisions
Rev. 47	Date: <u>07/22/94</u>	General Revisions
Rev. 48	Date: <u>10/18/94</u>	General Revisions
Rev. 49	Date: <u>01/27/95</u>	General Revisions
Rev. 50	Date: <u>05/05/95</u>	Editorial Revisions
Rev. 51	Date: <u>07/21/95</u>	Editorial Revisions
Rev. 52	Date: <u>10/24/95</u>	Editorial revisions resulting from Fourth Quarter 1995 review of notification rosters.
Rev. 53	Date: <u>02/16/96</u>	Editorial revisions for First Quarter 1996.
Rev. 54	Date: <u>04/19/96</u>	Editorial revisions for Second Quarter 1996.
Rev. 55	Date: <u>07/19/96</u>	Editorial revisions for Third Quarter 1996.
Rev. 56	Date: <u>10/07/96</u>	Editorial revisions for Fourth Quarter 1996. Added EOF Accident Assessment Team.
Rev. 57	Date: <u>02/28/97</u>	Editorial revisions for First Quarter 1997. Added EOF State and Local Government Liaison Call List and Attachment 4, "EOF Accountability/Fitness-for-Duty (FFD) Log for FPC Personnel."
Rev. 58	Date: <u>05/29/97</u>	Editorial revisions for Second Quarter 1997.
Rev. 59	Date: <u>08/19/97</u>	Editorial revisions for Third Quarter 1997. Added statement that Safety Assessment was performed.
Rev. 60	Date: <u>11/03/97</u>	Editorial revisions for Fourth Quarter 1997.
Rev. 61	Date: <u>02/12/98</u>	First Quarter 1998 Update
Rev. 62	Date: <u>04/27/98</u>	Second Quarter 1998 Update
Rev. 63	Date: <u>07/28/98</u>	Third Quarter 1998 Update
Rev. 64	Date: <u>10/08/98</u>	Fourth Quarter 1998 Update
Rev. 65	Date: <u>01/26/99</u>	First Quarter 1999 Update
Rev. 66	Date: <u>04/27/99</u>	Second Quarter 1999 Update
Rev. 67	Date: <u>07/09/99</u>	Third Quarter 1999 Update
Rev. 68	Date: <u>09/15/99</u>	Fourth Quarter 1999 Update
Rev. 69	Date: <u>01/17/00</u>	First Quarter 2000 Update
Rev. 70	Date: <u>04/18/00</u>	Second Quarter 2000 Update
Rev. 71	Date: <u>07/18/00</u>	Third Quarter 2000 Update
Rev. 72	Date: <u>10/10/00</u>	Fourth Quarter 2000 Update



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**TITLE: ACTIVATION AND NOTIFICATION OF THE
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- ATTACHMENT 1 -
EOF PERSONNEL DIRECTORY AND NOTIFICATION NETWORK

(Page 1 of 9)

EOF DIRECTOR CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	R. E. Grazio	352/563-4756 M/W 240-4756	352/527-8679 275-0389 (P)* 352/422-8418 (C)
Alternate:	T. H. Taylor	352/563-4338 M/W 240-3605	352/564-4200 888/803-5917 (P) 352/422-8456 (C)
Alternate:	S. L. Bernhoft	352/563-4566 M/W 240-3300	352/341-0003 274-0077 (P)* 352/422-8416 (C)
Alternate:	S. G. Johnson	352/563-4384 M/W 240-3200	352/489-0499 275-3627 (P)* 352/422-8445 (C)
Alternate:	R. W. Davis	352/563-4529 M/W 240-6050	352/746-9347 274-3395 (P)* 352/422-8403 (C)

P = Pager
C = Cellular Phone

Positions enclosed by a box are required to declare the EOF operational.
Contact only one individual per emergency position. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
1	EOF Facility Manager	<input type="checkbox"/> Primary	L. G. Snow	352/563-4670 M/W 240-6169	352/563-5094 274-1159 (P)*
		<input type="checkbox"/> Alternate	D. J. Wood	352/563-4672 M/W 240-6106	352/746-0706 274-1947 (P)*
		<input type="checkbox"/> Alternate	L. W. Hardin	352/563-4591 M/W 240-6114	352/527-3662 274-1156 (P)*
		<input type="checkbox"/> Alternate	J. G. Austin	352/795-0504 M/W 240-6317	352/382-5413 275-0166 (P)* 352/422-8473 (C)
2	Assistant EOF Director	<input type="checkbox"/> Primary	K. F. Lancaster	352/563-2943 M/W 240-4040	352/344-0855 274-8484 (P)* 352/422-8931 (C)
		<input type="checkbox"/> Alternate	R. C. Widell	352/795-6486 M/W 240-4630	352/746-0646 274-0385 (P)* 352/422-8856 (C)
		<input type="checkbox"/> Alternate	Vacant		
		<input type="checkbox"/> Alternate	R. L. Linton	352/563-4680 M/W 240-6258	352/795-5512 274-5631 (P)*

* Access pager by dialing *900 from FPC internally OR 1-800-241-4653, then follow instructions.



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EOF PERSONNEL DIRECTORY AND NOTIFICATION NETWORK

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EOF DIRECTOR CALL LIST
(Continued)

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	R. E. Grazio	352/563-4756 M/W 240-4756	352/527-8679 275-0389 (P)* 352/422-8418 (C)
Alternate:	T. H. Taylor	352/563-4338 M/W 240-3605	352/564-4200 888/803-5917 (P) 352/422-8456 (C)
Alternate:	S. L. Bernhoft	352/563-4566 M/W 240-3300	352/341-0003 274-0077 (P)* 352/422-8416 (C)
Alternate:	S. G. Johnson	352/563-4384 M/W 240-3200	352/489-0499 275-3627 (P)* 352/422-8445 (C)
Alternate:	R. W. Davis	352/563-4529 M/W 240-6050	352/746-9347 274-3395 (P)* 352/422-8403 (C)

P = Pager
C = Cellular Phone

Positions enclosed by a box are required to declare the EOF operational.
Contact only one individual per emergency position. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
3	EOF Technical Support Director	<input type="checkbox"/> Primary	J. A. Ranalli	352/563-4984 M/W 240-3284	352/597-7610 275-3704 (P)* 352/422-8893 (C)
		<input type="checkbox"/> Alternate	A. Petrowsky	352/563-4576 M/W 240-3576	352/382-3482 274-3944 (P)* 352/422-8428 (C)
		<input type="checkbox"/> Alternate	T. E. Williams	352/563-4356 M/W 240-3886	352/795-9097 274-8814 (P)* 352/422-8513 (C)
		<input type="checkbox"/> Alternate	H. B. Oates	352/563-4789 M/W 240-3777	352/382-4652 275-3675 (P)* 352/422-8414 (C)
4	Communications Director	<input type="checkbox"/> Primary	M. S. Harris	352/563-4489 M/W 240-4489	352/527-9372 274-3388 (P)* 888/760-7104 (P) 352/422-8602 (C)
		<input type="checkbox"/> Alternate	M. N. Forbrick	727/820-5023 M/W 230-5023	727/823-9693 800/940-7076 (P) 727/403-5516 (C)
		<input type="checkbox"/> Alternate	R. A. Janka	407/475-2400 M/W 280-2400	407/659-3784 or 727/866-6641 888/939-3410 (P) 407/257-3724 (C)
5	Vice President Site Director	<input type="checkbox"/>	J. J. Holden	352/563-4477 M/W 240-3605	352/382-0280 274-7467 (P)* 352/422-8411 (C)
6	Vice President, Nuclear Operations	<input type="checkbox"/>	J. P. Cowan	352/563-4594 M/W 240-3104	352/795-0964 352/422-8410 (C)

* Access pager by dialing *900 from FPC internally OR 1-800-241-4653, then follow instructions.



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EOF PERSONNEL DIRECTORY AND NOTIFICATION NETWORK

EOF FACILITY MANAGER CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	L. G. Snow	352/563-4670 M/W 240-6169	352/563-5094 274-1159 (P)*
Alternate:	D. J. Wood	352/563-4672 M/W 240-6106	352/746-0706 274-1947 (P)*
Alternate:	L. W. Hardin	352/563-4591 M/W 240-6114	352/527-3662 274-1156 (P)*
Alternate:	J. G. Austin	352/795-0504 M/W 240-6317	352/382-5413 275-0166 (P)* 352/422-8473 (C)

P = Pager
C = Cellular Phone

Contact only one individual per emergency position. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
1	EOF Accountability Representative (Contact a minimum of two individuals.)	<input type="checkbox"/> Primary	F. A. Plummer	352/795-0504 M/W 240-6363	352/567-7067
		<input type="checkbox"/> Alternate	C. R. Dearing	352/795-0504 M/W 240-6174	352/746-0151
		<input type="checkbox"/> Alternate	C. L. Walters	352/795-0504 M/W 240-6109	352/489-1235
		<input type="checkbox"/> Alternate	B. R. Bagwell	352/795-0504 M/W 240-6222	352/563-2598
2	EOF Communicator	<input type="checkbox"/> Primary	J. P. Owen	352/795-0504 M/W 240-6190	352/795-2539 or 795-0344
		<input type="checkbox"/> Alternate	K. E. Hampton	352/795-0504 M/W 240-6282	352/382-5034
		<input type="checkbox"/> Alternate	H. D. Roberts	352/795-0504 M/W 240-6128	352/628-4042
3	EOF Setup/Status Boards** (Notify all positions for initial setup.)	<input type="checkbox"/> Primary	R. G. Cardinali	352/795-0504 M/W 240-6185	352/726-5267
		<input type="checkbox"/> Alternate	J. C. Elam	352/795-0504 M/W 240-6134	352/795-4784
		<input type="checkbox"/> Alternate	W. E. Gwaltney	352/795-0504 M/W 240-6118	352/746-0359
		<input type="checkbox"/> Alternate	D. W. Savage	352/795-0504 M/W 240-6289	352/489-5043
		<input type="checkbox"/> Alternate	R. L. Rogers	352/795-0504 M/W 240-6342	352/563-5563 275-3381 (P)*
		<input type="checkbox"/> Alternate	L. W. Hensley	352/795-0504 M/W 240-6186	352/726-2302
		<input type="checkbox"/> Alternate	M. A. Grider	352/795-0504 M/W 240-6119	352/795-1254
		<input type="checkbox"/> Alternate	G. J. Sweeney	352/795-0504 M/W 240-6267	352/527-2380
<input type="checkbox"/> Alternate	R. W. Armstrong	352/795-0504 M/W 240-6118	352/726-9073 274-8448 (P)*		

*Access pager by dialing *900 from FPC internally OR 1-800-241-4653, then follow instructions.

**First responsibility is the setup of the EOF. After setup is complete, the EOF Facility Manager will assign personnel for updating the status boards.



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EOF PERSONNEL DIRECTORY AND NOTIFICATION NETWORK

ASSISTANT EOF DIRECTOR CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	K. F. Lancaster	352/563-2943 M/W 240-4040	352/344-0855 274-8484 (P)* 352/422-8931 (C)
Alternate:	R. C. Widell	352/795-6486 M/W 240-4630	352/746-0646 274-0385 (P)* 352/422-8856 (C)
Alternate:	M. A. Trump	352/563-4974 M/W 240-6174	352/527-8840 274-0481 (P)* 352/422-8473 (C)
Alternate:	R. L. Linton	352/563-4680 M/W 240-6258	352/795-5512 274-5631 (P)*

P = Pager
C = Cellular Phone

Contact only one individual per emergency position unless otherwise indicated. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
1	Administrative Manager	<input type="checkbox"/> Primary	J. M. Anna	352/563-4480 M/W 240-4480	352/795-0067
		<input type="checkbox"/> Alternate	N. J. Hooper	352/422-8431 M/W 240-8431	352/795-9568 274-1212 (P)*
		<input type="checkbox"/> Alternate	M. A. Riley	352/563-4848 M/W 240-4848	352/489-5875
2	EOF State and Local Government Liaison	<input type="checkbox"/> Primary	F. Frando	352/563-4795 M/W 240-3045	352/465-7343
		<input type="checkbox"/> Alternate	L. V. Cecilia	352/563-4546 M/W 240-3190	352/563-0046 275-3679 (P)*
		<input type="checkbox"/> Alternate	P. E. Infanger	352/563-4796 M/W 240-3166	352/873-4863 274-4935 (P)* 352/422-8455 (C)
3	FPC State EOC Representative	<input type="checkbox"/> Primary	R. M. Bright	352/563-4771 M/W 240-3319	352/447-4708 274-8887 (P)*
		<input type="checkbox"/> Alternate	K. R. Wilson	352/795-6486 M/W 240-3413	352/332-8709 352/422-8933 (C)
4	State and County EOC Communicator	<input type="checkbox"/> Primary	R. G. Surber	352/795-0504 M/W 240-6326	352/795-8014 274-0680 (P)*
		<input type="checkbox"/> Alternate	B. P. Komara	352/563-4679 M/W 240-6140	352/795-3959 274-7541 (P)*
		<input type="checkbox"/> Alternate	Vacant		
5	INPO Duty Officer			800/321-0614	

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CORPORATE HEALTH PHYSICIST CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	S. M. Garry	352/563-4777 M/W 240-3281	352/746-9625 274-7686 (P)* 352/422-8457 (C)
Alternate:	A. Kazemfar	352/563-4874 M/W 240-3333	352/795-7988 274-3603 (P)* 352/422-8825 (C)
Alternate:	D. A. McCollough	352/563-4386 M/W 240-4386	352/564-9288 274-3407 (P)*

P = Pager
C = Cellular Phone

Contact only one individual per emergency position unless otherwise indicated. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
1	EOF Dose Assessment Member (Contact a minimum of three individuals for this position.)	<input type="checkbox"/> Primary	P. F. Ezzell	352/563-4778 M/W 240-3624	352/795-6114 274-8413 (P)*
		<input type="checkbox"/> Alternate	J. H. Payne	352/563-4306 M/W 240-3126	352/465-4034 274-8303 (P)*
		<input type="checkbox"/> Alternate	G. H. Cadwell	352/422-8995 M/W 240-8995	352/795-4347 274-8479 (P)*
		<input type="checkbox"/> Alternate	J. D. Gilbert	352/563-2943 M/W 240-3173	352/382-4331 274-3260 (P)* 352/422-8469 (C)
		<input type="checkbox"/> Alternate	S. D. Brown	352/795-0504 M/W 240-6327	352/527-9374 274-1380 (P)*
2	FPC Field Team Liaison	<input type="checkbox"/> Primary	D. J. Bourscheid	352/795-0504 M/W 240-6135	352/795-3996
		<input type="checkbox"/> Alternate	S. D. Mansfield	352/795-0504 M/W 240-6172	352/795-0532 275-3380 (P)*
		<input type="checkbox"/> Alternate	Member of TSC Radiation Monitoring Team		

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EOF ACCIDENT ASSESSMENT COORDINATOR CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	J. G. Smith	352/795-0504 M/W 240-6042	352/795-3827 274-6859 (P)*
Alternate:	G. P. Hebb	352/795-6486 M/W 240-3884	352/382-3391 275-2952 (P)* 352/422-8604 (C)
Alternate:	J. L. Springer	352/795-6486 M/W 240-3452	352/795-7508 274-3390 (P)*

P = Pager
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Contact only one individual per emergency position. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>	
1	EOF Accident Assessment Operations Representative	<input type="checkbox"/>	Primary	C. M. Crosten	352/795-0504 M/W 240-6191	352/795-8020 274-8462 (P)*
		<input type="checkbox"/>	Alternate	A. T. Kennedy	352/795-0504 M/W 240-6129	352/563-1739 274-8462 (P)*
		<input type="checkbox"/>	Alternate	M. Gallian	352/795-0504 M/W 240-6290	352/795-9044 274-8462 (P)*
		<input type="checkbox"/>	Alternate	M. P. Holmes	352/795-0504 M/W 240-6254	352/795-1713 274-8462 (P)*
		<input type="checkbox"/>	Alternate	D. E. Smith	352/795-0504 M/W 240-6253	352/795-8009 274-8462 (P)*
2	EOF Accident Assessment Engineer	<input type="checkbox"/>	Primary	T. V. Austin	352/563-4515 M/W 240-3046	352/795-7265 275-3465 (P)*
		<input type="checkbox"/>	Alternate	J. L. O'Brian	352/795-6486 M/W 240-3832	352/344-4003 274-0029 (P)* 352/422-8813 (C)
		<input type="checkbox"/>	Alternate	S. J. Roe	352/795-6486 M/W 240-3516	352/628-0158 274-6749 (P)*
		<input type="checkbox"/>	Alternate	S. K. Balliet	352/563-4508 M/W 240-3394	352/564-1795 274-3945 (P)*
		<input type="checkbox"/>	Alternate	J. S. Endsley	352/563-4866 M/W 240-3070	352/795-5382 274-2912 (P)*
		<input type="checkbox"/>	Alternate	R. Iwachow	352/795-6486 M/W 240-3562	352/746-4865 274-6756 (P)* 352/422-8471 (C)
3	EOF Risk Analysis Representative	<input type="checkbox"/>	Primary	D. N. Miskiewicz	352/795-6486 M/W 240-3019	352/746-0685 274-0436 (P)*
		<input type="checkbox"/>	Alternate	J. R. Weaver	352/795-6486 M/W 240-3315	352/795-8924
		<input type="checkbox"/>	Alternate	L. W. Harris	352/795-6486 M/W 240-3705	352/489-3197 274-6739 (P)*

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ADMINISTRATIVE MANAGER CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	J. M. Anna	352/563-4480 M/W 240-4480	352/795-0067
Alternate:	N. J. Hooper	352/422-8431 M/W 240-8431	352/795-9568 274-1212 (P)*
Alternate:	M. A. Riley	352/563-4848 M/W 240-4848	352/489-5875

P = Pager
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Contact only one individual per emergency position. Check appropriate box for individual contacted.

<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
1	Corporate Security Specialist	<input type="checkbox"/> Primary	D. H. Harrelson	352/563-4376 M/W 240-4376	352/637-1061 276-1739 (P)** 352/422-3475 (C)
		<input type="checkbox"/> Alternate	D. D. Watson	352/563-4375 M/W 240-4375	352/726-0756 274-9169 (P)*
		<input type="checkbox"/> Alternate	On-Duty Captain	M/W 240-4307	
2	Materials Manager	<input type="checkbox"/> Primary	R. J. Slotke	352/563-4715 M/W 240-4715	352/795-6346 274-4070 (P)* 352/422-8421 (C)
		<input type="checkbox"/> Alternate	G. A. Christie	352/563-4329 M/W 240-4329	352/795-2414 274-9002 (P)*
		<input type="checkbox"/> Alternate	M. I. Ruether	352/563-4342 M/W 240-4342	352/382-4341

* Access pager by dialing *900 from FPC internally OR 1-800-241-4653, then follow instructions.
** Access pager by dialing 1-800-280-6493.



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EOF STATE AND LOCAL GOVERNMENT LIAISON CALL LIST

	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
Primary:	F. Frando	352/563-4795 M/W 240-3045	352/465-7343
Alternate:	L. V. Cecilia	352/563-4546 M/W 240-3190	352/563-0046 275-3679 (P)*
Alternate:	P. E. Infanger	352/563-4796 M/W 240-3166	352/873-4863 274-4935 (P)* 352/422-8455 (C)

P = Pager
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<u>Priority</u>	<u>Emergency Title</u>	<u>Contacted</u>	<u>Name</u>	<u>Office Number</u>	<u>Home Number</u>
1	EOF NRC Liaison	<input type="checkbox"/> Primary	W. J. Pike	352/563-4970 M/W 240-3642	352/527-8853 275-3685 (P)* 352/422-8409 (C)
		<input type="checkbox"/> Alternate	P. M. Peterson	352/795-6486 M/W 240-3602	352/382-0342 275-3683 (P)*
		<input type="checkbox"/> Alternate	Vacant		
2	FPC Citrus County EOC Representative	<input type="checkbox"/> Primary	M. R. Casada	352/795-6486 M/W 240-3354	352/726-2317
		<input type="checkbox"/> Alternate	G. W. Wilson	352/795-6486 M/W 240-3850	352/746-3174 274-0596 (P)*
3	FPC Levy County EOC Representative	<input type="checkbox"/> Primary	M. E. Collins	352/795-6486 M/W 240-3648	352/331-6559
		<input type="checkbox"/> Alternate	L. R. McDougal	352/563-4988 M/W 240-3988	352/375-7033 275-3682 (P)* 352/422-8598 (C)

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- ATTACHMENT 2 -

FACILITY DIRECTORY

<u>Facility</u>	<u>Location</u>	<u>Telephone</u>
EOF and ENC	Nuclear Operations Training Facility Crystal River, FL	352/795-0504
	FPC Business Offices:	
	Dunnellon, FL	352/465-2334 M/W 220-6550
	Inverness, FL	352/726-4049
	Crystal River, FL	352/795-6382 M/W 240-6307
TSC/OSC	CR-3 Nuclear Plant Crystal River, FL	Refer to Emergency Facility Telephone Book.



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OFF-SITE ORGANIZATIONS COMMUNICATIONS CONTACTS

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SERVICE	NAME/CONTACT	TELEPHONE	EOF CONTACT(S)
FPC SUPPORT**			
CLAIMS	Richard L. Anderson	Office: 727/826-4392 M/W 230-4392 Pager: 800/280-6493 276-2491 Home: 727/391-8969	
	Tom E. Moorhouse	Office: 727/826-4300 M/W 230-4300 Home: 727/443-5500	
COMPUTER SERVICES SUPPORT (Information Technology)	Darryl L. Kendall	Office: 352/563-2943 M/W 240-4162 Pager: 800/280-6493 276-1456 Cell: 352/422-8438 Home: 352/563-5273	
	Karen E. Kirkland	Office: 352/563-4628 M/W 240-4628 Pager: 800/280-6493 276-1429 Cell: 352/422-8435 Home: 352/621-0462	
EMPLOYEE INFORMATION (FPC) (Human Resources Systems Request)	Marilyn C. Marra	Office: 727/820-5795 M/W 230-5795 Home: 727/319-4161	
	Ray A. Edmonds, Jr.	Office: 352/795-0504 M/W 240-6376 Pager: 800/280-6493 276-2125 Home: 352/795-0380	

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** The individuals in this category are contact points for support and do not necessarily respond to the EOF.



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SERVICE	NAME/CONTACT	TELEPHONE	EOF CONTACT(S)
FPC SUPPORT** (Cont'd)			
SIMULATOR SUPPORT	R. Dave deMontfort	Office: 352/563-4948 M/W 240-6248 Pager: 275-0287* Home: 352/795-9693	
	Don E. Smith	Office: 352/795-0504 M/W 240-6253 Home: 352/795-8009	
TELECOMMUNICATIONS (Information Technology Support)	F. Jon Cembruch	Office: 352/795-6844 M/W 240-6207 Pager: 276-2999*** Cell: 352/422-8406 Home: 904/454-1226	
	Donna L. Davis	Office: 352/563-4997 M/W 240-6879 Pager: 276-2376*** Home: 352/621-9737	
	John E. Farabaugh	Office: 352/563-4996 M/W 240-5678 Pager: 276-2378*** Cell: 352/422-8717 Home: 352/795-5974	
TRANSPORTATION	F. Jay Wooldridge	Office: 727/893-9721 M/W 220-3721 Pager: 276-1238*** Home: 727/544-4182	
	Gail F. Phifer (Mr.)	Office: 727/893-9382 M/W 220-3382 Pager: 276-1248*** Home: 727/381-4126	

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 ** The individuals in this category are contact points for support and do not necessarily respond to the EOF.
 *** Access pager by dialing 1-800-280-6493, then follow instructions.



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SERVICE	NAME/CONTACT	TELEPHONE	EOF CONTACT(S)
FRAMATOME TECHNOLOGIES (formerly Babcock & Wilcox)			
FRAMATOME TECHNOLOGIES	Framatome Technologies	804/832-3000 or -3001 (switchboard - 24 hrs.)	EOF Accident Assessment Coordinator
FRAMATOME TECHNOLOGIES CUSTOMER SERVICE MANAGER	John M. Helmev	804/832-3359 (W) 804/525-0583 (H)	
GILBERT ASSOCIATES, INC. (See Parsons Power.)			
HOSPITALS NON-RADIOLOGICAL OR RADIOLOGICAL INJURIES:			
SEVEN RIVERS COMMUNITY HOSPITAL		352/795-6560 352/795-8335 (Emergency Room)	
CITRUS MEMORIAL HOSPITAL		352/726-1551 352/344-6569 (Emergency Room)	
I			
AMERICAN NUCLEAR INSURERS (ANI) (Property Damage and Fire Protection Impairments)		860/561-3433	
NUCLEAR ELECTRIC INSURANCE LIMITED (NEIL)		302/888-3000 FAX: 302/888-3095	
INSTITUTE OF NUCLEAR POWER OPERATIONS (INPO)	INPO Duty Officer Emergency Response Center	800/321-0614 770/644-8000 (switchboard) TELECOPY: (PRI) 770/644-8549 (ALT) 770/644-8567	EOF Director/ Communications Director

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SERVICE	NAME/CONTACT	TELEPHONE	FPC CONTACT(S)
LAW ENFORCEMENT AGENCIES			
CITRUS COUNTY SHERIFF	Sheriff Jeffrey J. Dawsy	352/726-4488 9-1-1	EOF Security Representative
FLORIDA HIGHWAY PATROL	Brooksville, FL	352/754-6767 (800/500-1240)	
	Gainesville, FL	352/955-2150	
FLORIDA MARINE PATROL		352/447-1633 (8 a.m. - 5 p.m.) 800/342-5367 (Tampa/after hours)	
LEVY COUNTY SHERIFF	Sheriff Ted Glass	352/486-5111 800/538-9767	
NGRC (NUCLEAR GENERAL REVIEW COMMITTEE)			
NGRC	John J. Holden	352/563-4477 (W) 352/382-0280 (H)	
	R. E. (Bob) Grazio	352/563-4756 (W) 352/527-8679 (H)	
NRC (U.S. NUCLEAR REGULATORY COMMISSION)			
OFFICE OF NUCLEAR REACTOR REGULATION (NRR)	Project Manager Leonard A. Wiens	301/415-1495 (W)	EOF Director
REGION II OFFICE OF INSPECTION AND ENFORCEMENT	Luis A. Reyes	404/562-4410 (W)	EOF Director



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SERVICE	NAME/CONTACT	TELEPHONE	FPC CONTACT(S)
NRC (U.S. NUCLEAR REGULATORY COMMISSION) (Cont'd)			
CR-3 RESIDENT INSPECTOR	J. "Scott" Stewart Steven P. Sanchez	352/795-7677 (W) 352/795-7678 (W) 352/527-9474 (H) 274-3420 (P)* 352/338-7571 (H) 274-9855 (P)*	EOF Director
OPERATIONS RESPONSE CENTER (Rockville, MD)		301/816-5100 301/951-0550	EOF Director
REACTOR PROJECTS (REGION II) (Atlanta, GA)	Loren R. Plisco	404/562-4501 800/636-2703 (P)	EOF Director
NRC REGION II HEADQUARTERS (Atlanta, GA)		404/562-4400	EOF Director
NRC REGION II FACSIMILE (Atlanta, GA)		404/562-4900 404/562-4901	
NRC OPERATIONS CENTER FACSIMILE (Rockville, MD)		301/816-5151	
PUBLIC INFORMATION OFFICE (Atlanta, GA)	Ken M. Clark Roger D. Hannah	404/562-4416 404/562-4980 (FAX) 404/562-4417	Corporate Communications Director
NRC OPERATIONS CENTER (Rockville, MD)	Emergency Notification System (ENS)	(1) 301/816-5100 (2) 301/951-0550 (3) 301/415-0553	EOF Director
NRC OPERATIONS CENTER (Rockville, MD)	Health Physics Network (HPN)	(1) 301/816-5100 (2) 301/951-0550	EOF Director
NRC OPERATIONS CENTER (Rockville, MD)	NRC Operator	301/415-7000	EOF Director

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SERVICE	NAME/CONTACT	TELEPHONE	FPC CONTACT(S)
OFF-SITE MONITORING			
HYDROLOGIC: SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (Brooksville, FL)		352/796-7211 352/796-1211 (after hours)	
METEOROLOGICAL: FAA FLIGHT SERVICE STATION (Gainesville, FL) (St. Petersburg, FL)	Flight Service Station Flight Service Station	800/992-7433 352/371-9702 727/536-6290 — Shift Supv. 727/536-6980 — 727/539-7491 (M-F only)	
TAMPA WEATHER SERVICE (Ruskin, FL)	Meteorologist Recorded Info. Emergency Only	813/645-2323 813/645-2506 813/645-4111 (24 hrs.)	
SEISMIC: U.S. GEOLOGICAL SURVEY (Menlo Park, CA) (Golden, CO)		650/853-8300 303/273-8500	
UNIVERSITY OF FLORIDA DEPT. OF GEOLOGY	Dr. Douglas Smith	352/392-6766 (Office) 352/392-2231 (Dept.)	
PARSONS POWER (formerly Gilbert Associates, Inc.)			
PARSONS POWER	Robert E. Vaughn	610/855-2000, X2061 or 610/855-2061 (direct)	EOF Accident Assessment Coordinator



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SERVICE	NAME/CONTACT	TELEPHONE	FPC CONTACT(S)
STATE AGENCIES			
DEPT. OF HEALTH (DOH), BUREAU OF RADIATION CONTROL (Orlando, FL)	Harlan W. Keaton	407/297-2095 (W) 863/439-2686 (H)	Assistant EOF Director
	Jearold C. Eakins	407/297-2095 (W) 407/880-2697 (H)	
	John A. Williamson	407/297-2095 (W) 407/389-0213 (H)	
DEPT. OF HEALTH (DOH), BUREAU OF RADIATION CONTROL (Cont'd) (Orlando, FL)	DOH Mobile Lab (MERL) at EOF	352/795-9509	EOF Director
	DOH Mobile Lab (MERL) at FPC Substation	352/795-1716	
STATE WARNING POINT (Tallahassee, FL)	State Duty Warning Officer	850/413-9911 800/320-0519 850/413-9910 850/488-7841 (FAX)	
UTILITIES			
FLORIDA POWER & LIGHT CO. (System Power Coordinator)	System Operator	305/442-5744 (24 hr. service) 305/442-5742 (interchange desk) 305/442-5743 (generation desk)	Assistant EOF Director
FLORIDA POWER CORPORATION (CR-3 Control Room)	Nuclear Shift Manager (NSM)	352/795-6958 877/563-4940 352/422-8898 (C)	
NUCLEAR ENERGY INSTITUTE (NEI)		202/739-8000 202/785-4019 (FAX)	Corporate Communications Director
UNITED TELEPHONE OF FLORIDA	Bonnie K. Stout	352/368-8706 For emergencies, after 5 p.m., weekends, and holidays, dial 611 (repair service).	Assistant EOF Director

Date: _____

EOF ACCOUNTABILITY/FITNESS-FOR-DUTY (FFD) LOG FOR FPC PERSONNEL								
PRINTED NAME	EMERGENCY TITLE	BADGE NO.	TIME IN	TIME OUT	FFD*		SIGNATURE	AUTH.**
					YES	NO		
Anna, J. M.	Administrative Manager							
Armstrong, R. W.	EOF Setup/Status Boards							
Austin, J. G.	EOF Facility Manager							
Austin, T. V.	EOF Accident Assess. Engr.							
Bagwell, B. R.	EOF Accountability Rep.							
Balliet, S. K.	EOF Accident Assess. Engr.							
Bernhoft, S. L.	EOF Director							
Bourscheid, D. J.	FPC Field Team Liaison							
Bright, R. M.	FPC State EOC Rep.							
Brown, S. D.	EOF Dose Assessment Member							
Cadwell, G. H.	EOF Dose Assessment Member							
Cardinali, R. G.	EOF Setup/Status Boards							
Casada, M. R.	FPC Citrus Co. EOC Rep.							
Cecilia, L. V.	EOF State & Local Govt. Liaison							
Christie, G. A.	Materials Manager							
Collins, M. E.	FPC Levy Co. EOC Rep.							

* An emergency responder is considered "fit-for-duty" if they have not consumed any alcohol during the pre-duty 5 hour abstinence period. If YES (fit-for-duty), access may be granted. If NO (not fit-for-duty), the EOF Accountability Representative should notify the EOF Director and instruct the individual to report to the area designated by the EOF Director and stand by for further instructions.

** The EOF Director may approve an individual who has not met the 5 hour abstinence period requirement to staff an emergency position provided a determination of fitness-for-duty is made. This may be accomplished by breath analysis. In addition, a responsible supervisor shall interview the employee to further ascertain fitness-for-duty. If the individual is fit-for-duty, no further authorization is required.

Date: _____

EOF ACCOUNTABILITY/FITNESS-FOR-DUTY (FFD) LOG FOR FPC PERSONNEL								
PRINTED NAME	EMERGENCY TITLE	BADGE NO.	TIME IN	TIME OUT	FFD*		SIGNATURE	AUTH.**
					YES	NO		
Cowan, J. P.	Vice President, Nucl. Ops.							
Crosten, C. M.	EOF Acc. Assess. Ops. Rep.							
Davis, R. W.	EOF Director							
Dearing, C. R.	EOF Accountability Rep.							
Elam, J. C.	EOF Setup/Status Boards							
Endsley, J. S.	EOF Accident Assess. Engr.							
Ezzell, P. F.	EOF Dose Assessment Member							
Forbrick, M. N.	Communications Director							
Frando, F.	EOF State & Local Govt. Liaison							
Gallian, M.	EOF Acc. Assess. Ops. Rep.							
Garry, S. M.	Corporate Health Physicist							
Gilbert, J. D.	EOF Dose Assessment Member							
Grazio, R. E.	EOF Director							
Grider, M. A.	EOF Setup/Status Boards							
Gwaltney, W. E.	EOF Setup/Status Boards							
Hampton, K. E.	EOF Communicator							
Hardin, L. W.	EOF Facility Manager							
Harrelson, D. H.	Corporate Security Spec.							
Harris, L. W.	EOF Risk Analysis Rep.							
Harris, M. S.	Communications Director							

Date: _____

EOF ACCOUNTABILITY/FITNESS-FOR-DUTY (FFD) LOG FOR FPC PERSONNEL								
PRINTED NAME	EMERGENCY TITLE	BADGE NO.	TIME IN	TIME OUT	FFD*		SIGNATURE	AUTH.**
					YES	NO		
Hebb, G. P.	EOF Accident Assess. Coord.							
Hensley, L. W.	EOF Setup/Status Boards							
Holden, J. J.	Vice Pres. Site Director							
Holmes, M. P.	EOF Acc. Assess. Ops. Rep.							
Hooper, N. J.	Administrative Manager							
Infanger, P. E.	EOF State & Local Govt. Liaison							
Iwachow, R.	EOF Accident Assess. Engr.							
Janka, R. A.	Communications Director							
Johnson, S. G.	EOF Director							
Kazemfar, A.	Corporate Health Physicist							
Kennedy, A. T.	EOF Acc. Assess. Ops. Rep.							
Komara, B. P.	State and County EOC Communicator							
Lancaster, K. F.	Asst. EOF Director							
Linton, R. L.	Asst. EOF Director							
Mansfield, S. D.	FPC Field Team Liaison							
McCullough, D. A.	Corporate Health Physicist							
McDougal, L. R.	FPC Levy Co. EOC Rep.							
Miskiewicz, D. N.	EOF Risk Analysis Rep.							
Oates, H. B.	EOF Tech. Support Director							

Date: _____

EOF ACCOUNTABILITY/FITNESS-FOR-DUTY (FFD) LOG FOR FPC PERSONNEL								
PRINTED NAME	EMERGENCY TITLE	BADGE NO.	TIME IN	TIME OUT	FFD*		SIGNATURE	AUTH.**
					YES	NO		
O'Brian, J. L.	EOF Accident Assess. Engr.							
Owen, J. P.	EOF Communicator							
Payne, J. H.	EOF Dose Assessment Member							
Peterson, P. M.	EOF NRC Liaison							
Petrowsky, A.	EOF Tech. Support Director							
Pike, W. J.	EOF NRC Liaison							
Plummer, F. A.	EOF Accountability Rep.							
Ranalli, J. A.	EOF Tech. Support Director							
Riley, M. A.	Administrative Manager							
Roberts, H. D.	EOF Communicator							
Roe, S. J.	EOF Accident Assess. Engr.							
Rogers, R. L.	EOF Setup/Status Boards							
Ruether, M. I.	Materials Manager							
Savage, D. W.	EOF Setup/Status Boards							
Slottke, R. J.	Materials Manager							
Smith, D. E.	EOF Acc. Assess. Ops. Rep.							
Smith, J. G.	EOF Accident Assess. Coord.							
Snow, L. G.	EOF Facility Manager							
Springer, J. L.	EOF Accident Assess. Coord.							



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Date 10/09/00

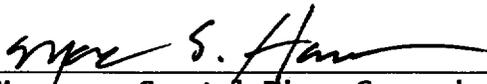
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**DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3**

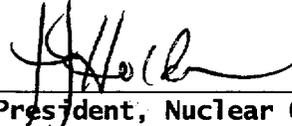
REQUIRED APPROVALS



Manager, Radiological Emergency Planning 10/4/00
Date



Manager, Crystal River Communications 10/5/00
Date



Vice President, Nuclear Operations 10/5/2000
Date



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TITLE: DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3

1.0 PURPOSE

The purpose of this procedure is to provide instructions for the dissemination of information to the public during a declared emergency at CR-3.

2.0 SCOPE

- 2.1 This procedure describes how FPC personnel will fulfill emergency communications functions following activation of the RERP.
- 2.2 A Safety Assessment was performed for this procedure. A determination was made that this procedure is outside the scope of 10 CFR 50.59.

3.0 APPLICABLE REFERENCE DOCUMENTS

- 3.1 FPC CR-3 "Radiological Emergency Response Plan"
- 3.2 REP-02, "Activation and Notification of the Emergency Operations Facility Organization"
- 3.3 REP-03, "Operation of the Emergency Operations Facility"

4.0 DEFINITIONS AND ABBREVIATIONS

Terms used in this procedure are consistent with the definitions and abbreviations provided in the RERP. Additional terms, or those of particular importance to this procedure, are provided below:

4.1 DEFINITIONS

4.1.1 Corporate Spokesperson

The individual(s) authorized to release emergency-related information outside the Company, normally the Communications Director. (The Communications Director and/or the EOF Director may authorize additional Corporate Spokespersons at his discretion.)

4.1.2 Emergency News Center (ENC)

A near-site location for the dissemination of emergency-related information to the public through the news media. It is located in the Nuclear Operations Training Facility at 8200 West Venable Street in Crystal River, Florida.



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TITLE: DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3

4.1.3 ENC Staff

Representatives of FPC and Federal, State, and local Public Information organizations.

4.1.4 Emergency Planning Zone (EPZ)

An area surrounding a nuclear power plant for which detailed planning is needed to assure that prompt, effective actions can be taken to protect the public in the event of a radiological emergency. Two EPZ's have been established: the Plume Exposure Pathway EPZ (10 mile radius) and the Ingestion Exposure Pathway EPZ (50 mile radius).

4.1.5 Media Briefing

Verbal or written presentation of information, followed by a period of questions from the news media.

4.1.6 News Release

A document containing information that is released to the public either directly or through the news media.

4.1.7 Public

People and organizations not directly involved in accident response.

4.2 ABBREVIATIONS

CR-3 - Crystal River Unit 3
ENC - Emergency News Center
EOF - Emergency Operations Facility
EPZ - Emergency Planning Zone
FPC - Florida Power Corporation
PIO - Public Information Officer
RERP - Radiological Emergency Response Plan

5.0 RESPONSIBILITIES AND ACTIONS

5.1 RESPONSIBILITIES

5.1.1 The Communications Director is responsible for directing the FPC information program during an emergency at CR-3. He is responsible for coordination of activities at the ENC and has the authority to act as Corporate Spokesperson.



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TITLE: DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3

5.2 ACTIVATION OF THE EMERGENCY COMMUNICATIONS ORGANIZATION

5.2.1 The Communications Director is responsible for determining the need for activating the ENC.

5.2.2 The ENC must be activated each time a SITE AREA or GENERAL EMERGENCY classification is declared. The ENC may be activated at an earlier classification at the discretion of the Communications Director.

5.2.3 The Communications Director will determine the most appropriate utilization of FPC's information dissemination resources, based on the requirements of the emergency in progress. He may activate all or selected parts of the Emergency Communications organization at his discretion.

5.3 NOTIFICATION OF THE EMERGENCY COMMUNICATIONS ORGANIZATION

5.3.1 Notification of the Emergency Communications Staff will occur each time a decision is made to activate the ENC, and must be made each time a SITE AREA EMERGENCY classification is reached. The notification network is provided in Attachment 1 of REP-02.

5.3.2 Corporate Communications will initiate notification of the news media during a declared emergency.

5.4 FACILITY PREPARATION

The ENC is prepared for use by the EOF Facility Manager.

5.5 OPERATION OF THE ENC

The Communications Director is responsible for operation of the ENC.

5.5.1 ENC Staffing

5.5.1.1 Staffing levels of the ENC will be determined by the Communications Director based on the level of news and public interest in an event.

5.5.1.2 Depending on the scope and duration of the emergency, Federal, State, and local Public Information organizations may assign representatives to the ENC.

5.5.2 Access Control

5.5.2.1 The two entrances on the east wall of the ENC must be secured to prevent unauthorized entry into the EOF.

5.5.2.2 The south entrance of the ENC, through the See-Thru Reactor Room, should be used as the only entry point for the news media or the public. Administrative access control will be established by Security personnel.



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TITLE: DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3

5.5.3 Communications Systems

5.5.3.1 The following communications systems are available to FPC representatives in the ENC:

- Commercial Telephone System
- Telecopy Machine
- FPC Microwave Telephone System
- FPC Intranet
- Internet

5.5.3.2 The following communications systems are available to Federal, State, and county representatives in the ENC:

- Commercial Telephone System
- Telecopy Machine
- Internet

5.5.3.3 A limited number of commercial telephones are available for use by news media representatives who report to the ENC.

5.5.3.4 Additional communications equipment and repairs may be provided through the EOF Facility Manager.

5.5.4 Recordkeeping

5.5.4.1 **News Releases:**

A copy of each FPC news release should be maintained in a chronological file. This file must be available for reference by the ENC Staff.

5.5.4.2 **Communications Logsheets:**

FPC representatives in the ENC should document all communications of significant importance in Communications Logs. Refer to REP-03, Attachment 1.

5.5.4.3 **Status Reporting:**

For events several days in duration, FPC representatives in the ENC should summarize significant actions in daily status reports.



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TITLE: DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3

5.5.5 Information Resources

5.5.5.1 Background information may be requested by Federal, State, or county PIO's, or by representatives of the news media. The following documents should be available for use as reference material by these individuals:

- a. Media kits designed to provide a general education concerning the nature of ionizing radiation, CR-3, and the Emergency Classification System.
- b. Copies of previously issued news media releases (for provision to late-arriving news media).

5.5.6 Management

5.5.6.1 Assure that administrative access control has been established by Security personnel.

5.5.6.2 Assure that adequate personnel are available to support Internet posting, facsimile transmittal, and other general clerical functions.

5.5.6.3 Assure that previously prepared media kits are available to members of the news media who report to the ENC.

5.5.6.4 Assure that briefings in the EOF are attended by an Emergency Communications representative to obtain information for news releases.

5.5.6.5 Assure that all proposed news releases receive proper authorizations prior to their release outside the Company.

5.5.6.6 Assure that all news releases are distributed to the EOF Director and Emergency Communications Staff.

5.5.6.7 Assure that representatives of Federal, State, and local Public Information organizations are provided the information and support necessary to prepare timely, accurate news releases.

5.5.6.8 Assure that rumors and other inaccurate information going to the public are corrected in press releases, media briefings, or through appropriate means.

5.5.7 Deactivation

The ENC will be deactivated by the Communications Director based on his determination that the normal Corporate Communications organization can meet the requirements for follow-up communications.



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TITLE: DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3

5.6 EXERCISES AND TRAINING

As specified in the RERP, the ENC is activated periodically for training and emergency preparedness exercises.

6.0 INTERPRETATION CONTACT

Responsibility for the development and maintenance of this procedure rests with the Corporate Communications Department. The Site Communications Manager should be contacted regarding any clarification or interpretation of requirements in this procedure.

7.0 REVISION HISTORY

Rev. 0	Date: <u>09/16/85</u>	Original
Rev. 1	Date: <u>07/10/87</u>	General Revision
Rev. 2	Date: <u>11/30/87</u>	Corporate Command Center (CCC) reorganization and removal of Corporate Information Center (CIC).
Rev. 3	Date: <u>06/16/89</u>	General Revision
Rev. 4	Date: <u>07/28/92</u>	CCC Deletion
Rev. 5	Date: <u>09/09/94</u>	General Revision
Rev. 6	Date: <u>02/12/96</u>	Incorporated changes with Corporate Relations Support Group Plan.
Rev. 7	Date: <u>10/09/00</u>	Complete rewrite of procedure by Site Communications Manager.



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TITLE:

**DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3**

ATTACHMENT 1 -

DIRECTIONS TO EMERGENCY NEWS CENTER (ENC)

(located in Nuclear Operations Training Facility)

From the North

Take I-75 south to State Road 44. Take State Road 44 west to U.S. 19. Take U.S. 19 south to West Venable Street in Crystal River (immediately south of the airport). Take West Venable Street east for approximately one-half mile to the ENC.

OR

Take U.S. 19 south to West Venable Street in Crystal River. Take West Venable Street east for approximately one-half mile to the ENC.

From the South

Take U.S. 19 north to West Venable Street in Crystal River (immediately south of the airport). Take West Venable Street east for approximately one-half mile to the ENC.

From Orlando

Take the Florida Turnpike to the Wildwood exit. Take State Road 44 west to U.S. 19. Take U.S. 19 south to West Venable Street in Crystal River (immediately south of the airport). Take West Venable Street east for approximately one-half mile to the ENC.

From Tampa

Take I-75 north to Brooksville. Take State Road 50 west to U.S. 98. Take U.S. 98 west to U.S. 19. Take U.S. 19 north to West Venable Street in Crystal River (immediately south of the airport). Take West Venable Street east for approximately one-half mile to the ENC.



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TITLE:

**DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3**

- ATTACHMENT 2 -

EMERGENCY POSITION DESCRIPTION

EMERGENCY TITLE: Communications Director

REPORTING STATUS: Required (as soon as possible), but not required to declare the EOF operational.

FUNCTION: - To direct the dissemination of information to the public through the news media during emergency and recovery phase operations.

- To coordinate activities at the ENC.

- To act as Corporate Spokesperson.

PRINCIPAL ACTIVITIES:

- a. Manage overall activities in the ENC, including keeping those in the ENC informed of significant changes to the classification of the emergency and any significant change in plant conditions.
- b. Supervise the activities of FPC personnel in the ENC.
- c. Implement a briefing schedule designed to provide the public, the media, public officials, and local government agencies with information at appropriately frequent intervals.
- d. Review and approve all information releases prior to being issued.
- e. Authorize additional "Corporate Spokespersons" during emergency or recovery phase activities, if required.
- f. Coordinate information releases with the Federal, State, and county PIO's located in the EOF.
- g. Ensure news releases are posted on the Web.



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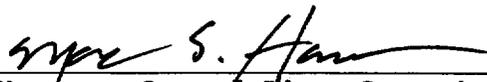
**DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3**

REQUIRED APPROVALS



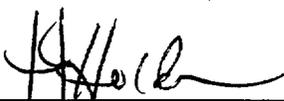
Manager, Radiological Emergency Planning

10/4/00
Date



Manager, Crystal River Communications

10/5/00
Date



Vice President, Nuclear Operations

10/5/2000
Date



RADIOLOGICAL EMERGENCY PLANNING DEPARTMENT PROCEDURE

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TITLE: DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3

1.0 PURPOSE

The purpose of this procedure is to provide instructions for the dissemination of information to the public during a declared emergency at CR-3.

2.0 SCOPE

2.1 This procedure describes how FPC personnel will fulfill emergency communications functions following activation of the RERP.

2.2 A Safety Assessment was performed for this procedure. A determination was made that this procedure is outside the scope of 10 CFR 50.59.

3.0 APPLICABLE REFERENCE DOCUMENTS

3.1 FPC CR-3 "Radiological Emergency Response Plan"

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4.0 DEFINITIONS AND ABBREVIATIONS

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4.1.2 Emergency News Center (ENC)

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TITLE: DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3

4.1.3 ENC Staff

Representatives of FPC and Federal, State, and local Public Information organizations.

4.1.4 Emergency Planning Zone (EPZ)

An area surrounding a nuclear power plant for which detailed planning is needed to assure that prompt, effective actions can be taken to protect the public in the event of a radiological emergency. Two EPZ's have been established: the Plume Exposure Pathway EPZ (10 mile radius) and the Ingestion Exposure Pathway EPZ (50 mile radius).

4.1.5 Media Briefing

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People and organizations not directly involved in accident response.

4.2 ABBREVIATIONS

CR-3 - Crystal River Unit 3
ENC - Emergency News Center
EOF - Emergency Operations Facility
EPZ - Emergency Planning Zone
FPC - Florida Power Corporation
PIO - Public Information Officer
RERP - Radiological Emergency Response Plan

5.0 RESPONSIBILITIES AND ACTIONS

5.1 RESPONSIBILITIES

5.1.1 The Communications Director is responsible for directing the FPC information program during an emergency at CR-3. He is responsible for coordination of activities at the ENC and has the authority to act as Corporate Spokesperson.



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TITLE: DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3

5.2 ACTIVATION OF THE EMERGENCY COMMUNICATIONS ORGANIZATION

5.2.1 The Communications Director is responsible for determining the need for activating the ENC.

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5.3 NOTIFICATION OF THE EMERGENCY COMMUNICATIONS ORGANIZATION

5.3.1 Notification of the Emergency Communications Staff will occur each time a decision is made to activate the ENC, and must be made each time a SITE AREA EMERGENCY classification is reached. The notification network is provided in Attachment 1 of REP-02.

5.3.2 Corporate Communications will initiate notification of the news media during a declared emergency.

5.4 FACILITY PREPARATION

The ENC is prepared for use by the EOF Facility Manager.

5.5 OPERATION OF THE ENC

The Communications Director is responsible for operation of the ENC.

5.5.1 ENC Staffing

5.5.1.1 Staffing levels of the ENC will be determined by the Communications Director based on the level of news and public interest in an event.

5.5.1.2 Depending on the scope and duration of the emergency, Federal, State, and local Public Information organizations may assign representatives to the ENC.

5.5.2 Access Control

5.5.2.1 The two entrances on the east wall of the ENC must be secured to prevent unauthorized entry into the EOF.

5.5.2.2 The south entrance of the ENC, through the See-Thru Reactor Room, should be used as the only entry point for the news media or the public. Administrative access control will be established by Security personnel.



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**TITLE: DISSEMINATION OF INFORMATION FOLLOWING
AN EMERGENCY AT CRYSTAL RIVER UNIT 3**

5.5.3 **Communications Systems**

5.5.3.1 The following communications systems are available to FPC representatives in the ENC:

- Commercial Telephone System
- Telecopy Machine
- FPC Microwave Telephone System
- FPC Intranet
- Internet

5.5.3.2 The following communications systems are available to Federal, State, and county representatives in the ENC:

- Commercial Telephone System
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5.5.3.3 A limited number of commercial telephones are available for use by news media representatives who report to the ENC.

5.5.3.4 Additional communications equipment and repairs may be provided through the EOF Facility Manager.

5.5.4 **Recordkeeping**

5.5.4.1 **News Releases:**

A copy of each FPC news release should be maintained in a chronological file. This file must be available for reference by the ENC Staff.

5.5.4.2 **Communications Logsheets:**

FPC representatives in the ENC should document all communications of significant importance in Communications Logs. Refer to REP-03, Attachment 1.

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For events several days in duration, FPC representatives in the ENC should summarize significant actions in daily status reports.



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5.5.5 Information Resources

5.5.5.1 Background information may be requested by Federal, State, or county PIO's, or by representatives of the news media. The following documents should be available for use as reference material by these individuals:

- a. Media kits designed to provide a general education concerning the nature of ionizing radiation, CR-3, and the Emergency Classification System.
- b. Copies of previously issued news media releases (for provision to late-arriving news media).

5.5.6 Management

5.5.6.1 Assure that administrative access control has been established by Security personnel.

5.5.6.2 Assure that adequate personnel are available to support Internet posting, facsimile transmittal, and other general clerical functions.

5.5.6.3 Assure that previously prepared media kits are available to members of the news media who report to the ENC.

5.5.6.4 Assure that briefings in the EOF are attended by an Emergency Communications representative to obtain information for news releases.

5.5.6.5 Assure that all proposed news releases receive proper authorizations prior to their release outside the Company.

5.5.6.6 Assure that all news releases are distributed to the EOF Director and Emergency Communications Staff.

5.5.6.7 Assure that representatives of Federal, State, and local Public Information organizations are provided the information and support necessary to prepare timely, accurate news releases.

5.5.6.8 Assure that rumors and other inaccurate information going to the public are corrected in press releases, media briefings, or through appropriate means.

5.5.7 Deactivation

The ENC will be deactivated by the Communications Director based on his determination that the normal Corporate Communications organization can meet the requirements for follow-up communications.



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5.6 EXERCISES AND TRAINING

As specified in the RERP, the ENC is activated periodically for training and emergency preparedness exercises.

6.0 INTERPRETATION CONTACT

Responsibility for the development and maintenance of this procedure rests with the Corporate Communications Department. The Site Communications Manager should be contacted regarding any clarification or interpretation of requirements in this procedure.

7.0 REVISION HISTORY

Rev. 0	Date: <u>09/16/85</u>	Original
Rev. 1	Date: <u>07/10/87</u>	General Revision
Rev. 2	Date: <u>11/30/87</u>	Corporate Command Center (CCC) reorganization and removal of Corporate Information Center (CIC).
Rev. 3	Date: <u>06/16/89</u>	General Revision
Rev. 4	Date: <u>07/28/92</u>	CCC Deletion
Rev. 5	Date: <u>09/09/94</u>	General Revision
Rev. 6	Date: <u>02/12/96</u>	Incorporated changes with Corporate Relations Support Group Plan.
Rev. 7	Date: <u>10/09/00</u>	Complete rewrite of procedure by Site Communications Manager.



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ATTACHMENT 1 -

DIRECTIONS TO EMERGENCY NEWS CENTER (ENC)

(located in Nuclear Operations Training Facility)

From the North

Take I-75 south to State Road 44. Take State Road 44 west to U.S. 19. Take U.S. 19 south to West Venable Street in Crystal River (immediately south of the airport). Take West Venable Street east for approximately one-half mile to the ENC.

OR

Take U.S. 19 south to West Venable Street in Crystal River. Take West Venable Street east for approximately one-half mile to the ENC.

From the South

Take U.S. 19 north to West Venable Street in Crystal River (immediately south of the airport). Take West Venable Street east for approximately one-half mile to the ENC.

From Orlando

Take the Florida Turnpike to the Wildwood exit. Take State Road 44 west to U.S. 19. Take U.S. 19 south to West Venable Street in Crystal River (immediately south of the airport). Take West Venable Street east for approximately one-half mile to the ENC.

From Tampa

Take I-75 north to Brooksville. Take State Road 50 west to U.S. 98. Take U.S. 98 west to U.S. 19. Take U.S. 19 north to West Venable Street in Crystal River (immediately south of the airport). Take West Venable Street east for approximately one-half mile to the ENC.



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- ATTACHMENT 2 -

EMERGENCY POSITION DESCRIPTION

EMERGENCY TITLE: Communications Director

REPORTING STATUS: Required (as soon as possible), but not required to declare the EOF operational.

FUNCTION: - To direct the dissemination of information to the public through the news media during emergency and recovery phase operations.

- To coordinate activities at the ENC.

- To act as Corporate Spokesperson.

PRINCIPAL ACTIVITIES:

- a. Manage overall activities in the ENC, including keeping those in the ENC informed of significant changes to the classification of the emergency and any significant change in plant conditions.
- b. Supervise the activities of FPC personnel in the ENC.
- c. Implement a briefing schedule designed to provide the public, the media, public officials, and local government agencies with information at appropriately frequent intervals.
- d. Review and approve all information releases prior to being issued.
- e. Authorize additional "Corporate Spokespersons" during emergency or recovery phase activities, if required.
- f. Coordinate information releases with the Federal, State, and county PIO's located in the EOF.
- g. Ensure news releases are posted on the Web.



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**EMERGENCY OPERATIONS FACILITY
ACCIDENT ASSESSMENT PROCEDURE**

REQUIRED APPROVALS

Stephen E. Chapin for J. D. Stephenson
Manager, Radiological Emergency Planning

10/9/00
Date



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TITLE: EMERGENCY OPERATIONS FACILITY ACCIDENT ASSESSMENT PROCEDURE

1.0 PURPOSE

This procedure provides guidance for establishment and operation of the EOF AAT.

2.0 SCOPE

- 2.1 The EOF AAT primarily functions as a technical resource for the EOF Technical Support Director and the EOF Director in development of public PARs. Duties also include assisting the TSC AAT as needed in development of mitigation strategies and in research of solutions to plant problems (however, the EOF AAT personnel are not considered Severe Accident Management evaluators), interfacing with the Dose Assessment Team, and assisting in the development of recovery plans.
- 2.2 A Safety Assessment was performed for this procedure. A determination was made that this procedure is outside the scope of 10 CFR 50.59.

3.0 APPLICABLE REFERENCE DOCUMENTS

- 3.1.1 REP-03, "Operation of the Emergency Operations Facility"
- 3.1.2 EM-225, "Duties of the Technical Support Center Accident Assessment Team"
- 3.1.3 EM-225A, "Post-Accident RB Hydrogen Control"
- 3.1.4 EM-225B, "Post-Accident Boron Concentration Management"
- 3.1.5 EM-225C, "Post-Accident Monitoring of Reactor Building Temperature"
- 3.1.6 EM-225D, "Guidance for Dry OTSG Tube to Shell Delta T Monitoring and Control"
- 3.1.7 EM-225E, "Guidelines for Long-Term Cooling"
- 3.1.8 Emergency Operating Procedures (EOPs)
- 3.1.9 MP-575, "Hydrogen Recombiner Installation"
- 3.1.10 OP-417B, "Operation of the Post-Accident Hydrogen Recombiners"
- 3.1.11 B&W Technical Bases Document
- 3.1.12 CR-3 Severe Accident Guideline
- 3.2.13 Response Technical Manual (RTM-96), USNRC, Vol. 1, Rev. 3



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3.2.14 Radiological Emergency Response Plan

3.2.15 NUREG-1228, "Source Term Estimation During Incident Response to Severe Nuclear Power Plant Accidents"

3.2.16 FPC IOC CR97-0122, dated 12/23/97

3.2.17 CH-632A, "Post-Accident Sampling and Analysis of the Reactor Coolant System"

4.0 DEFINITIONS AND ABBREVIATIONS

4.1 DEFINITIONS

4.1.1 Accident Assessment Team (AAT)

Consists of EOF Accident Assessment Coordinator, EOF Accident Assessment Engineer, EOF Accident Assessment Operations Representative, and EOF Risk Analysis Representative

4.1.2 Critical Safety Functions (CSFs)

Those functions needed to ensure adequate core cooling and to preserve the integrity of the fission product barriers, thereby protecting the health and safety of the general public and plant personnel. They include reactivity control, coolant inventory control, decay heat removal capability, fission product barrier status, electrical power availability, and Control Room status.

4.1.3 Emergency Action Levels (EALs)

Conditions or indications that may be used as thresholds for initiating specific emergency measures. (See EM-202, Enclosure 1.)

4.1.4 Protective Action Recommendations (PARs)

Emergency measures recommended for purposes of preventing or minimizing radiological exposures to Generating Complex personnel or members of the general public.

4.1.5 Plant Damage Conditions (PDCs)

Damage conditions used in the CR-3 Severe Accident Guideline to describe the status of the RCS, reactor core, and the containment during the progression of a severe accident.

4.1.6 Candidate High Level Actions (CHLAs)

Actions described in the CR-3 Severe Accident Guideline which could be taken to mitigate a severe accident and are deemed appropriate based on PDCs.



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4.1.7 Severe Accident

An accident (beyond that assumed in the CR-3 design and licensing basis) that results in catastrophic fuel rod failure, core degradation and fission product release into the reactor vessel, RB, or environment.

4.2 ABBREVIATIONS

AAT - Accident Assessment Team
ADV - Atmospheric Dump Valve
AP - Abnormal Procedure
BSP - Building Spray Pump
BWST - Borated Water Storage Tank
CFM - Cubic Feet per Minute
CFT - Core Flood Tank
CHLA - Candidate High Level Action
CR-3 - Crystal River Unit 3
CSF - Critical Safety Function
DCP - Decay Heat Closed Cycle Cooling System Pump
DHP - Decay Heat Pump
EAL - Emergency Action Level
ECCS - Emergency Core Cooling System
EDG or EGDG - Emergency Diesel Generator
EFIC - Emergency Feedwater Initiation and Control
EFP - Emergency Feedwater Pump
EFW - Emergency Feedwater
EOF - Emergency Operations Center
EOP - Emergency Operating Procedure
FPC - Florida Power Corporation
HPI - High Pressure Injection
ICC - Inadequate Core Cooling
IOC - Inter-Office Communication
LOCA - Loss of Coolant Accident
MFW - Main Feedwater
MSSV - Main Steam Safety Valve
OTSG - Once-Through Steam Generator
PAR - Protective Action Recommendation
PASS - Post-Accident Sampling System
PDC - Plant Damage Condition
PORV - Pilot-Operated Relief Valve
PRC - Plant Review Committee
PSIG - Pounds per Square Inch (Gauge)
QC - Quality Control
RB - Reactor Building
RCITS - Reactor Coolant Inventory Tracking System
RCP - Reactor Coolant Pump
RCS - Reactor Coolant System



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REP - Radiological Emergency Planning
RPS - Reactor Protection System
RWP - Raw Water Pump
Rx - Reactor
SPDS - Special Parameter Display System
SWP - Nuclear Services Closed Cycle Cooling System Pump
TSC - Technical Support Center
USNRC - U.S. Nuclear Regulatory Commission
XFRM - Transformer

5.0 RESPONSIBILITIES AND ACTIONS

5.1 RESPONSIBILITIES

5.1.1 EOF Technical Support Director

Notifies the EOF Accident Assessment Coordinator and the Corporate Health Physicist that the EOF has been activated and provides direction and control to the EOF functions associated with accident mitigation and assessment.

5.1.2 EOF Accident Assessment Coordinator

- a. Keeps the EOF Technical Support Director informed of AAT activities and developments in plant status, especially those that may impact EALs and PARs.
- b. Notifies the following positions that the EOF has been activated and provides coordination and support:
 - EOF Accident Assessment Operations Representative
 - EOF Accident Assessment Engineer
 - EOF Risk Analysis Representative
- c. Ensures communication is established with the TSC on the TSC/EOF Ringdown until EOF Communicator arrives.
- d. Assists in the setup of the EOF Accident Assessment Work Area.
- e. Performs "plant conditions" portion of the EOF briefings using the briefing guidelines provided in Attachment 5.
- f. Monitors the Accident Assessment Ringdown (communication between the Control Room and TSC AAT).
- g. Provides support to the TSC AAT in determining the causes and consequences of the emergency.



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- h. Ensures interface is established with the EOF Dose Assessment Team using Section 5.1.6 and Attachment 8 as guidance.
- i. Refers to attachments for additional accident assessment guidance and information.
- j. Notifies Simulator support personnel when necessary (e.g., for testing mitigation strategies).
- k. Monitors CSFs and provides status to EOF Technical Support Director and EOF personnel during briefings, as needed.

5.1.3 EOF Accident Assessment Operations Representative

- a. Verifies that the SPDS computer is properly set up and operational.
- b. Operates the SPDS computer.
- c. Monitors plant parameters and provides status updates to the EOF Accident Assessment Coordinator.
- d. Monitors communications between the Control Room and the TSC AAT via speaker in the EOF Accident Assessment Room.
- e. Assists in the setup of the EOF Accident Assessment Work Area.

5.1.4 EOF Accident Assessment Engineer

- a. Assesses plant conditions and provides Engineering support for developing accident mitigation strategies as needed.
- b. Provides Engineering support to the TSC Accident Assessment Team.
- c. Notifies additional Engineering resources when necessary.
- d. Assists in the setup of the EOF Accident Assessment Work Area.

5.1.5 EOF Risk Analysis Representative

- a. Monitors and assesses core status and provides updates to the EOF Accident Assessment Coordinator.
- b. Notifies additional resources for core damage assessment.
- c. Assists in the setup of the EOF Accident Assessment Work Area.



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5.1.6 Dose Assessment Team

- a. Supports the AAT with on-site radiological data and with chemical and radiological analysis of samples as needed to assess the accident.
- b. Provides plant radiation monitor readings and assessments.
- c. Provides projected radiological data (on-site and off-site doses, dose rates, and deposition) (> 1 hour to obtain).
- d. Provides RCS PASS data (> 1 hour to obtain) on radionuclide composition, Chloride concentration, dissolved Hydrogen concentration, and Boron concentration.
- e. Provides RB and/or Auxiliary Building atmosphere radionuclide composition (> 1 hour to obtain).

5.2 INSTRUCTIONS

- 5.2.1 The EOF Accident Assessment Coordinator or designee performs the duties of Attachment 1.
- 5.2.2 The EOF Accident Assessment Operations Representative performs the duties of Attachment 2.
- 5.2.3 The EOF Accident Assessment Engineer performs the duties of Attachment 3.
- 5.2.4 The EOF Accident Assessment Risk Analysis Representative performs the duties of Attachment 4.

6.0 INTERPRETATION CONTACT

Manager, Radiological Emergency Planning

7.0 REVISION HISTORY

Rev. 0	Date: <u>01/26/99</u>	Initial Issue
Rev. 1	Date: <u>10/09/00</u>	General revision to update attachments to match EM-225.



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- ATTACHMENT 1 - EOF ACCIDENT ASSESSMENT COORDINATOR CHECKLIST

Check

- _____ 1. Perform telephone notifications (referring to REP-02 or call card):
 - ___ EOF Accident Assessment Operations Representative
 - ___ EOF Accident Assessment Engineer
 - ___ EOF Risk Analysis Representative

- _____ 2. Check in with EOF Director upon arrival and ensure name is posted on staffing board.

- _____ 3. Ensure Accident Assessment Ringdown speaker is functional. (Refer to Attachment 10.) (This is for monitoring only. Contact the TSC AAT by plant extension as necessary.)

- _____ 4. Ensure CSFs are being assessed. (Refer to Attachment 5.) For the initial assessment, this information may be readily available from the TSC AAT. For subsequent evaluations, discuss with the EOF Technical Support Director whether TSC information is sufficient or if independent evaluations are desirable.

- _____ 5. Ensure PARs are appropriate per EM-202, Enclosure 8.

- _____ 6. Ensure Room 124's SPDS computer is functional. (Refer to Attachment 10.)

- _____ 7. Ensure communication is established with TSC on TSC/EOF Ringdown, until EOF Communicator arrives. (Refer to Attachment 10.)

- _____ 8. Ensure EOP/AP procedure book is retrieved from Operations Briefing Room (A117) or Simulator Control Booth (A115).

- _____ 9. Brief the EOF Technical Support Director on CSFs and plant status.

- _____ 10. Provide CSFs and status reports to the EOF Staff during briefings. Use guidelines on Attachment 5 as necessary.

- _____ 11. Establish interface with EOF Dose Assessment Team. Attachment 8 lists information needed by the Dose Assessment Team; Section 5.1.6 lists information available from the Dose Assessment Team.

- _____ 12. Ensure the Status Board Coordinator is provided current CSFs information in the Main Conference Room.

- _____ 13. Notify Simulator personnel for support, if needed (e.g., for testing mitigation strategies). (Refer to REP-02, Attachment 3.)

- _____ 14. Provide assistance to EOF Director on recovery plan. (Refer to Attachment 9.)



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- ATTACHMENT 2 -

EOF ACCIDENT ASSESSMENT OPERATIONS REPRESENTATIVE CHECKLIST

Check

- _____ 1. Confirm SPDS computer is operational. (Refer to Attachment 10.)
- _____ 2. Ensure work area is set up and functional. (Refer to REP-03A, Attachment 1.)
- _____ 3. Provide plant parameters/status to EOF Accident Assessment Coordinator.
- _____ 4. Ensure Accident Assessment Ringdown speaker is functional. (Refer to Attachment 10.) (This is for monitoring only. Contact the TSC AAT by plant extension as necessary.)



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- ATTACHMENT 3 -

EOF ACCIDENT ASSESSMENT ENGINEER CHECKLIST

Check

- _____ 1. Ensure work area is set up and functional. (Refer to REP-03A, Attachment 1).
- _____ 2. Establish communication with TSC AAT by plant phone as necessary
- _____ 3. Obtain applicable drawings/documents, as needed.
- _____ 4. Establish additional Engineering resources, if necessary.
- _____ 5. Provide assistance for recovery plan development. (Refer to Attachment 9.)



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- ATTACHMENT 4 -

EOF RISK ANALYSIS REPRESENTATIVE CHECKLIST

Check

- 1. Ensure work area is set up and functional. (Refer to REP-03A, Attachment 1.)
- 2. Obtain reactor core status. (Refer to Attachment 7.)
- 3. Provide initial core assessment to EOF Accident Assessment Coordinator.
- 4. Provide core status updates to EOF Accident Assessment Coordinator.
- 5. Complete Attachment 8 for the Dose Assessment Team and provide to the EOF Accident Assessment Coordinator.
- 6. Notify additional resources (engineers, etc.) for core damage assessment, if needed.
- 7. If requested by the TSC to perform an assessment of core damage based on reactor coolant sample, use Enclosure 2 from CH-632A.



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- ATTACHMENT 5 - BRIEFING GUIDELINE

Refer to Enclosures 6 and 7 to aid in this evaluation.

I REACTOR SHUTDOWN Yes No

II. CORE ADEQUATELY COOLED Yes No

III. FISSION PRODUCT BARRIERS ASSESSMENT

Fuel clad	<input type="checkbox"/> Intact	<input type="checkbox"/> Challenged	<input type="checkbox"/> Lost	<input type="checkbox"/> Regained
RCS	<input type="checkbox"/> Intact	<input type="checkbox"/> Challenged	<input type="checkbox"/> Lost	<input type="checkbox"/> Regained
Containment	<input type="checkbox"/> Intact	<input type="checkbox"/> Challenged	<input type="checkbox"/> Lost	<input type="checkbox"/> Regained

IV. EMERGENCY ELECTRICAL POWER STATUS

Off-Site Power Available?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
ES Buses Energized?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Emergency Diesel Generator's Available?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
DC Power Available?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

V. CONTROL COMPLEX STATUS

Ventilation/Cooling Available?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Necessary Instrumentation Available?*	Yes <input type="checkbox"/>	No <input type="checkbox"/>

VI. OTHER CONDITIONS/CHALLENGES

* Necessary refers to specific instruments and annunciators that are needed to identify, diagnose, and track the problems that are causing the emergency.



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- ATTACHMENT 6 -

CRITICAL SAFETY FUNCTION CHECKLIST

Monitor the parameters associated with the Critical Safety Functions. The parameter tables below are for reference only. It is not intended that the tables be completed during each evaluation. Plant computer point numbers or SPDS/RECALL point numbers are listed, if available.

Using pre-established RECALL Groups based on accident type in progress is recommended.

Notify the AAT Coordinator immediately if any of the CSFs cannot be verified.

I. REACTOR SHUTDOWN STATUS:

REACTIVITY CONTROL

PARAMETER	COMPUTER POINT	RECALL POINT			
All Rods at in-limits Y/N	P057	RECL-375			
Intermediate Range detector NI-3 amps	P212	RECL-150			
Intermediate Range detector NI-4 amps	P213	RECL-151			
Source Range NI-1 cps	P202	RECL-152			
Source Range NI-2 cps	P203	RECL-153			
Low Range NI-14/15		RECL-102,103			
Adequate Shutdown Margin	OP-103C Curve 18&19				



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- ATTACHMENT 6 (Cont'd) -

II. CORE COOLING STATUS:

ECCS/SUPPORT STATUS

PARAMETER	COMPUTER POINT	RECALL POINT			
Subcooling Margin	M114				
A HPI Pump operating		RECL-209			
B HPI Pump operating		RECL-210			
C HPI Pump operating		RECL-211			
MUV-23 flow	W704	RECL-52			
MUV-24 flow	W706	RECL-54			
MUV-25 flow	W703	RECL-51			
MUV 26 flow	W705	RECL-53			
DHPs operating A/B (run/stop)	X063 X064	RECL-207 RECL-208			
DHP-1A flow	W409	RECL-55			
DHP-1B flow	W410	RECL-56			
CFT A level	P200				
CFT B level	P201				
CFT A press					
CFT B press					
BWST level (ft)	X335	RECL-57			
RWPs operating 1/2A/2B/3A/3B					
DCPs operating A/B (yes/no)					
SWPs operating A/B/C					

SECONDARY SYSTEM STATUS

PARAMETER	COMPUTER POINT	RECALL POINT			
EFIC OTSG A press	W449	RECL-252			
EFIC OTSG B press	W452	RECL-255			
OTSG A level	S285	RECL-92			
OTSG B level	S286	RECL-93			
MFW flow A	S301	RECL-100			
MFW flow B	S302	RECL-101			
EFPs operating 1/2/3/7					
EFW flow to A OTSG	S300	RECL-245			
EFW flow to B OTSG	S312	RECL-247			



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- ATTACHMENT 6 (Cont'd) -

III. FISSION PRODUCT BARRIER ASSESSMENT:

FUEL CLADDING BARRIER			
<input type="checkbox"/> INTACT	<input type="checkbox"/> CHALLENGED	<input type="checkbox"/> LOST	<input type="checkbox"/> REGAINED
<ul style="list-style-type: none"> No indication of cladding damage 	<ul style="list-style-type: none"> RCS condition warrant entry into EOP-07 Core Exit Thermocouples > 700 F 	<ul style="list-style-type: none"> RCS conditions in (or previously in) Region 3 or Severe Accident Region PASS indicates increased RCS activity >300µCi/gr I₁₃₁ (refer to CH-632A) RM-G29/30 > 100 R/hr for ≥ 15 minutes Enclosure 10 indicates failed fuel 	<ul style="list-style-type: none"> Cooling restored, no further degradation expected.
REACTOR COOLANT SYSTEM BARRIER			
<input type="checkbox"/> INTACT	<input type="checkbox"/> CHALLENGED	<input type="checkbox"/> LOST	<input type="checkbox"/> REGAINED
<ul style="list-style-type: none"> Leakage is within normal makeup pump capacity 	<ul style="list-style-type: none"> RCS leak or OTSG tube leak requiring one or more injection valves to maintain adequate subcooling margin RCS pressure /Tincore relationship violates NDT limits RCS leak or OTSG tube leak results in ES actuation on low RCS pressure. HPI/PORV or HPI/Code Safety valve cooling is in progress 	<ul style="list-style-type: none"> RCS leak resulting in loss of adequate subcooling margin OTSG Tube Rupture resulting in loss of adequate subcooling margin RM-G29/30 >10R/hr for ≥ 15 minutes 	<ul style="list-style-type: none"> HPI/PORV or HPI Code Safety Cooling stopped Subcooling Margin restored and leak isolated
CONTAINMENT BARRIERS			
<input type="checkbox"/> INTACT	<input type="checkbox"/> CHALLENGED	<input type="checkbox"/> LOST	<input type="checkbox"/> REGAINED
<ul style="list-style-type: none"> No evidence of containment leakage Tube rupture release is only through condenser 	<ul style="list-style-type: none"> RB pressure > 54 psig RB hydrogen concentration > 4 % RB pressure > 30 psig with no building spray available RMG-29 or 30 reading > 25,000 R/hr Core conditions in severe accident region of ICC curves for >15 min 	<ul style="list-style-type: none"> Containment isolation is incomplete and release path to environment exists OTSG Tube Rupture > 10 gpm exists and steam releasing to atmosphere Containment pressure or sump level response not consistent with LOCA conditions Rapid unexplained RB pressure decrease following an initial increase 	<ul style="list-style-type: none"> Repair efforts have isolated leak Containment pressure has reduced to stop leakage

Performed By: _____ Date: _____ Time: _____



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- ATTACHMENT 6 (Cont'd) -

IV. EMERGENCY ELECTRICAL POWER STATUS:

OFF-SITE POWER

PARAMETER	AVAILABLE	UNAVAILABLE
500 KV SWITCHYARD		
230 KV SWITCHYARD		
OFF-SITE POWER XFRM		
BEST		

ES BUSES

PARAMETER	AVAILABLE	UNAVAILABLE
A-ES 4160V BUS		
B-ES 4160V BUS		
A-ES 480V BUS (Note 1)		
B-ES 480V BUS (Note 1)		

EMERGENCY DIESEL GENERATOR

PARAMETER	RECALL PT.	LOADED	AVAILABLE	UNAVAILABLE
A-EDG	RECL-133,171			
B-EDG	RECL-134,172			

DC ELECTRICAL

PARAMETER Note (1)	AVAILABLE	UNAVAILABLE
A-BATTERY		
B-BATTERY		
C-BATTERY		

Note (1) Battery failure will occur if associated battery chargers are de-energized.



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- ATTACHMENT 6 (Cont'd) -

V. CONTROL COMPLEX STATUS:

CONTROL COMPLEX VENTILATION STATUS

PARAMETER	AVAILABLE	OPERATING	UNAVAILABLE
A-TRAIN EMERGENCY RECIRC			
B-TRAIN EMERGENCY RECIRC			
A-CHILLER			
B-CHILLER			

CONTROL ROOM INSTRUMENTATION STATUS

PARAMETER	AVAILABLE	UNAVAILABLE
NNI-X		
NNI-Y		
ICS		
EFIC		
RPS		
ESAS		

COMMENTS: _____



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- ATTACHMENT 7 -

CORE DAMAGE ASSESSMENT

Determine if core damage has occurred using one or more of the following methods. Estimate the extent of the damage. Evaluate the status of the fission product barriers. Report the results of the evaluation to the AAT Operations Support member and the Dose Assessment Team Leader. Continue to reassess core and fission product barrier status as conditions change.

ESTIMATE CORE DAMAGE BASED ON RCS SAMPLES.

Core damage assessment based on Reactor Coolant samples will be evaluated by the Dose Assessment Team using CH-632A Enclosure 2. The results will be submitted to the AAT. (May take >2 hours to obtain results)

ESTIMATE CORE DAMAGE BASED ON RM-G29/30 RADIATION LEVELS.

NOTE: (1) Use of RM-G29/30 for determining core status requires a failure of the RCS (i.e., LOCA or PORV open).

(2) Low monitor reading does not necessarily indicate lack of core damage. The release from the core may bypass the Containment, may be retained in the RCS, may be over a long period of time, or may not be uniformly mixed.

(3) Inconsistent readings may be due to the uneven mixing in the Containment (e.g., steam rising to the top). IT MAY TAKE SEVERAL HOURS FOR UNIFORM MIXING.

ASSUMPTIONS:

The below table assumes a short release. A long-term release cannot be characterized using these tables.

TIME	___:___	___:___	___:___	___:___	___:___
RM-G29	R/HR	R/HR	R/HR	R/HR	R/HR
RM-G30	R/HR	R/HR	R/HR	R/HR	R/HR

NO CORE DAMAGE
< 100 R/HR

POSSIBLE CLAD FAILURE AND GAS GAP RELEASE
100 - 25,000 R/HR WITH RB SPRAY
100 - 75,000 R/HR WITHOUT RB SPRAY

POSSIBLE CORE MELTING
> 25,000 R/HR WITH RB SPRAY
> 75,000 R/HR WITHOUT RB SPRAY



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- ATTACHMENT 7 (Cont'd) -

CORE DAMAGE PROGRESSION ONCE UNCOVERED

- IF inadequate subcooling margin exists,
THEN determine if the core is uncovered.

Reactor Coolant Inventory Tracking System (RCITS) provides a continuous indication of reactor vessel head and hot leg coolant inventory trend with the reactor coolant pumps in operation or tripped. RCITS consists of an RCS Hot Leg Level Subsystem, Reactor Vessel Level Subsystem and RC Void Trending Subsystem.

The RCS Hot Leg Level Subsystem (RC-163A/B-LR1) can monitor the top of the hot leg to the bottom of the hot leg with zero flow conditions. The Reactor Vessel Level Subsystem (RC-164A/B-LR1) can monitor the top of the reactor vessel to the bottom of the hot leg with zero flow conditions. The bottom of the hot leg is approximately two feet above the top of the fuel. An off-scale low reading would indicate a high probability of loss of level below core level. Any flow (including natural circulation) in the RCS will result in a lower than actual reading. Thus, any indicated level will provide assurance that coolant level is above the core.

The Reactor Void Trend Subsystem (RC-169-XR) monitors void trends in the RCS when RCPs are running. RCP motor power and Tcold are used to infer average density of fluid passing through the pump (liquid or two-phase). A 0% reading infers no voiding, while a 100% reading infers complete voiding.

Recorders are on the PSA panel in the Control Room and display on RECALL (points 62,63,64,65,70,71).

A-HOT LEG	B-HOT LEG	A-VESSEL	B-VESSEL	VOID TREND
RC-163A-LR1	RC-163B-LR1	RC-164A-LR1	RC-164B-LR1	RC-169-XR
RECALL PT 63	RECALL PT 70	RECALL PT 62	RECALL PT 65	RECALL PT 64,71

- CORE REMAINS COVERED
TNCORE indicates saturated conditions
RCITS indicates any level
- UNCOVERED FOR 15 TO 45 MINUTES
Core temperature 1800-2400°F
Fuel cladding failure (occurred in 34 minutes at Three Mile Island)
Rapid hydrogen generation
Release of fission products out of fuel pin gap (gas gap failure)
Local fuel melt
- UNCOVERED FOR 30 TO 90 MINUTES
Core temperature 2400-4200°F
Possible uncoolable core
Possible slump of molten core
Rapid release of volatile fission products (grain boundary release)
- UNCOVERED FOR 1 TO 3+ HOURS
Core temperature > 4200°F
Maximum core melt and hydrogen generation
Maximum in-vessel fission product release
Possible melt-through of vessel



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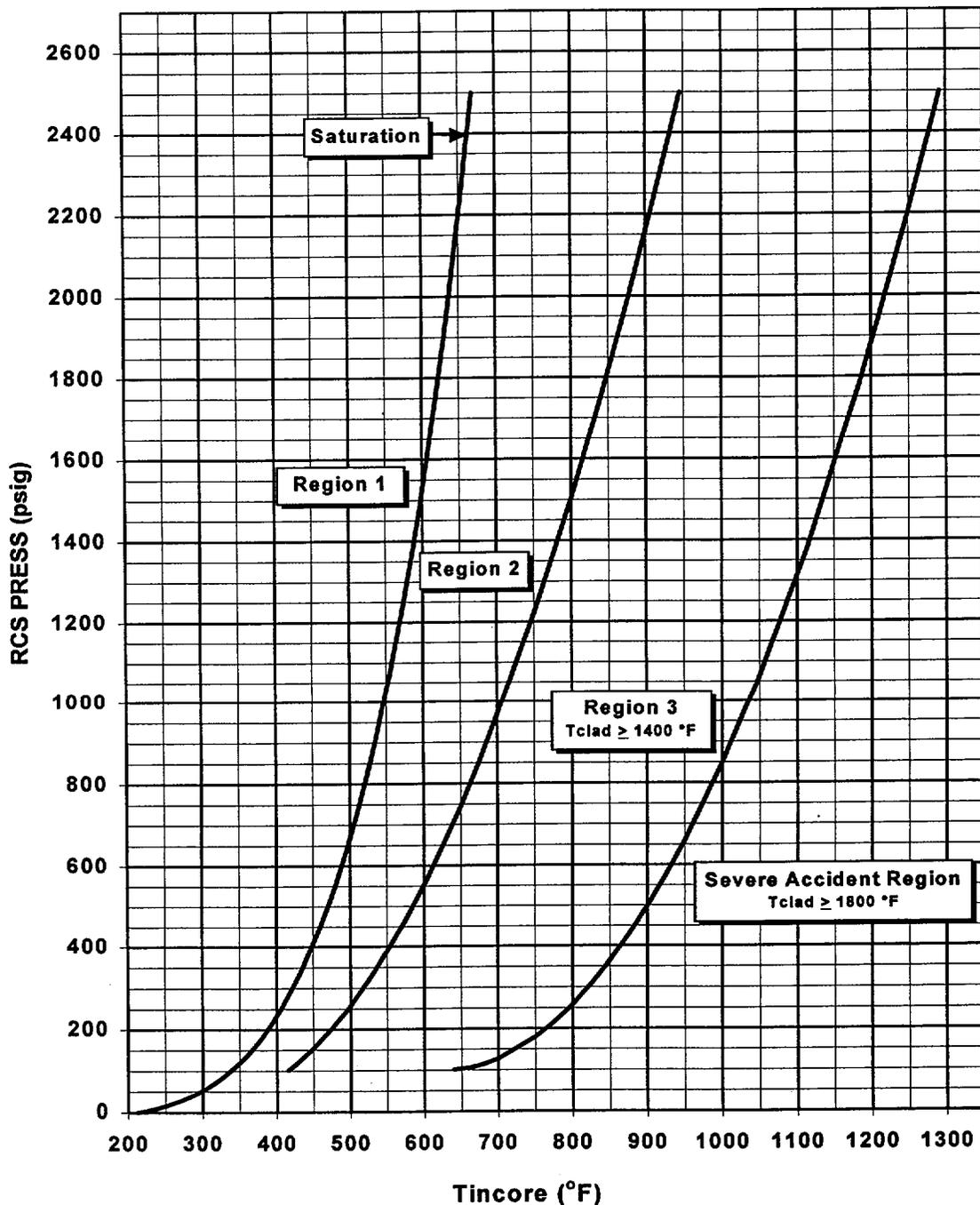
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- ATTACHMENT 7 (Cont'd) -

CORE DAMAGE ASSESSMENT BASED ON ICC CURVE

- ASSESS CORE DAMAGE BY PLOTTING RCS PRESSURE/INCORE TEMPERATURE ON THE ICC CURVE BELOW.
 - Regions 1 and 2 indicate no fuel damage (normal RCS activity).
 - Region 3 indicates possible gas gap failure.
 - Severe Accident Region indicates possible core melt.





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TITLE: EMERGENCY OPERATIONS FACILITY ACCIDENT ASSESSMENT PROCEDURE**- ATTACHMENT 8 -**

DOSE ASSESSMENT TEAM NOTIFICATION

1. The Accident Assessment Team is responsible for supplying the Dose Assessment Team with an evaluation of the accident type, the release pathway, and the release flow rate. The accident type affects the radionuclide distribution (i.e., percentage of each isotope) used by Dose Assessment to predict off-site doses.
2. The accident type is determined by physical parameters and instrument readings throughout the plant.
3. Complete the checklist below to the extent possible and give to the Dose Assessment Team Leader.

ACCIDENT TYPE

<input type="checkbox"/> LOCA	<input type="checkbox"/> W G Decay Tank Rupture	<input type="checkbox"/> OTSG Tube Leak
<input type="checkbox"/> Fuel Handling	<input type="checkbox"/> Other: _____	

 LOSS-OF-COOLANT ACCIDENT **TIME OF RX TRIP:** _____

- a. Normal Activity Clad Damage Fuel melt (from Attachment 7)
- b. Release pathway information (leak from where to where) _____
- c. Release path flow rate (estimated for unmonitored releases) _____
- d. Estimated duration _____ Unknown _____
- e. Reactor Building spray on/off times _____
- f. Aux. Bldg. Ventilation: Flow rate _____ Charcoal banks in service A:B:C:D
- g. Containment pressure _____ PSIG
- h. Loose Parts Monitor indications No Yes Location: _____

 WASTE GAS DECAY TANK RUPTURE

- a. Release pathway: Tank rupture Valve leakage Other _____
- b. Tank volume _____ pressure _____
- c. Release rate: Unknown _____ Estimate _____ CFM
- d. Estimated duration: Unknown _____ Time _____
- e. Aux. Bldg. Ventilation: Flow rate _____ Charcoal banks in service A:B:C:D

 STEAM GENERATOR TUBE RUPTURE **TIME OF RX TRIP:** _____

- a. Primary-to-secondary leak rate: _____ gpm
- b. Core status: Cladding damage Fuel melt Normal
- c. Leaking OTSG isolated: Yes No
- d. MSSV Open: Yes No ADV Open: Yes No
- e. Condenser vacuum: Yes No RM-A2 In Service?: Yes No
- f. Potential for change in status of leak: Yes No
- g. Estimated duration of leak: _____
- h. Aux. Bldg. Ventilation: Flow rate _____ Charcoal banks in service A:B:C:D

 FUEL HANDLING ACCIDENT

- a. Location of damaged fuel: Pool A Pool B Number of Elements _____
- b. Damage caused by: Mechanical impact Overheating Unknown
- c. Aux. Bldg. Ventilation: Flow rate _____ Charcoal banks in service A:B:C:D
- d. Release pathway: _____ Unknown _____
- e. Estimated duration _____ Unknown _____

Status as of _____ Date: _____ Completed By: _____



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- ATTACHMENT 9 -

SHORT-TERM RECOVERY PLAN GENERIC OUTLINE

PHASE I - INCIDENT STABILITY

1. Verify Security System integrity.
2. Assess integrity of systems required for long-term cooling by system walkdown:
 - Decay Heat
 - Spent Fuel
 - Ventilation
3. Continue cooldown using an appropriate heat removal method.
4. Verify termination of release.

PHASE II - DATA GATHERING

1. Auxiliary Building Filter Changeout and Analysis
2. Plant and Off-Site Radiation Surveys and Dose Assessments
3. Primary System and RB Atmosphere Sampling
4. Debrief key personnel.
5. Equipment inspection/develop damage report:
 - Emergency Feedwater System (including electrical)
 - Makeup System (HPI Valve)
 - PORV and Block Valves
 - Fuel Handling Area
 - Diesel Generator
6. Community Reaction Survey
7. Develop detailed incident report.
8. Establish whole body counting capability for emergency workers.



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- ATTACHMENT 9 (Cont'd) -

SHORT-TERM RECOVERY PLAN GENERIC OUTLINE

PHASE III - RESTORATION

Based on results of Phase II assessment:

1. Prepare procedures as required.
2. Begin repair efforts.
3. Establish team for system cleanup and waste disposal activities.
4. Establish community educational and public relations activities.
5. Establish Recovery Team organization and off-site support liaison.
6. Re-establish normal site operations.
7. Establish claim office.
8. Assure regulatory communication.
9. Establish technical assessment team (FPC, Framatome Technologies, other Architect/Engineer, etc.).
10. Develop long-term organizational recovery responsibilities and plant status objectives.

NOTE: The completed recovery plan and implementing procedures shall be submitted to the PRC for approval prior to implementation.



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- ATTACHMENT 10 -

EQUIPMENT INSTRUCTIONS

Accident Assessment Ringdown Speaker

1. Ensure the speaker is connected to phone jack 124-D5.
2. Turn on power using the knob on the front of the speaker.
3. Activate the speaker circuit by removing receiver from the Accident Assessment Ringdown phone in the Simulator Control Room. This phone must be off the hook for the Room 124 speaker to function.

SPDS

1. Ensure both computers and monitors designated for SPDS in northwest corner of Room 124 are turned on.
2. In the "Access Control Client" dialog box, ensure "CR3 SPDS" is selected in the drop-down box (or "SIM SPDS" for drills).
3. Click "LOGON."
4. Press "ALT TAB" until "SPDS" is selected.

TSC/EOF Ringdown Phone

The TSC/EOF Ringdown phone is located in southwest corner of Room 124. This is an automatic circuit that connects when either the TSC phone or EOF phone is taken off hook.



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**EMERGENCY OPERATIONS FACILITY
ACCIDENT ASSESSMENT PROCEDURE**

REQUIRED APPROVALS

Stephen E. Chapin for J. D. Stephenson
Manager, Radiological Emergency Planning

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Date



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1.0 PURPOSE

This procedure provides guidance for establishment and operation of the EOF AAT.

2.0 SCOPE

- 2.1 The EOF AAT primarily functions as a technical resource for the EOF Technical Support Director and the EOF Director in development of public PARs. Duties also include assisting the TSC AAT as needed in development of mitigation strategies and in research of solutions to plant problems (however, the EOF AAT personnel are not considered Severe Accident Management evaluators), interfacing with the Dose Assessment Team, and assisting in the development of recovery plans.
- 2.2 A Safety Assessment was performed for this procedure. A determination was made that this procedure is outside the scope of 10 CFR 50.59.

3.0 APPLICABLE REFERENCE DOCUMENTS

- 3.1.1 REP-03, "Operation of the Emergency Operations Facility"
- 3.1.2 EM-225, "Duties of the Technical Support Center Accident Assessment Team"
- 3.1.3 EM-225A, "Post-Accident RB Hydrogen Control"
- 3.1.4 EM-225B, "Post-Accident Boron Concentration Management"
- 3.1.5 EM-225C, "Post-Accident Monitoring of Reactor Building Temperature"
- 3.1.6 EM-225D, "Guidance for Dry OTSG Tube to Shell Delta T Monitoring and Control"
- 3.1.7 EM-225E, "Guidelines for Long-Term Cooling"
- 3.1.8 Emergency Operating Procedures (EOPs)
- 3.1.9 MP-575, "Hydrogen Recombiner Installation"
- 3.1.10 OP-417B, "Operation of the Post-Accident Hydrogen Recombiners"
- 3.1.11 B&W Technical Bases Document
- 3.1.12 CR-3 Severe Accident Guideline
- 3.2.13 Response Technical Manual (RTM-96), USNRC, Vol. 1, Rev. 3



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- 3.2.14 Radiological Emergency Response Plan
- 3.2.15 NUREG-1228, "Source Term Estimation During Incident Response to Severe Nuclear Power Plant Accidents"
- 3.2.16 FPC IOC CR97-0122, dated 12/23/97
- 3.2.17 CH-632A, "Post-Accident Sampling and Analysis of the Reactor Coolant System"

4.0 DEFINITIONS AND ABBREVIATIONS

4.1 DEFINITIONS

4.1.1 Accident Assessment Team (AAT)

Consists of EOF Accident Assessment Coordinator, EOF Accident Assessment Engineer, EOF Accident Assessment Operations Representative, and EOF Risk Analysis Representative

4.1.2 Critical Safety Functions (CSFs)

Those functions needed to ensure adequate core cooling and to preserve the integrity of the fission product barriers, thereby protecting the health and safety of the general public and plant personnel. They include reactivity control, coolant inventory control, decay heat removal capability, fission product barrier status, electrical power availability, and Control Room status.

4.1.3 Emergency Action Levels (EALs)

Conditions or indications that may be used as thresholds for initiating specific emergency measures. (See EM-202, Enclosure 1.)

4.1.4 Protective Action Recommendations (PARs)

Emergency measures recommended for purposes of preventing or minimizing radiological exposures to Generating Complex personnel or members of the general public.

4.1.5 Plant Damage Conditions (PDCs)

Damage conditions used in the CR-3 Severe Accident Guideline to describe the status of the RCS, reactor core, and the containment during the progression of a severe accident.

4.1.6 Candidate High Level Actions (CHLAs)

Actions described in the CR-3 Severe Accident Guideline which could be taken to mitigate a severe accident and are deemed appropriate based on PDCs.



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4.1.7 Severe Accident

An accident (beyond that assumed in the CR-3 design and licensing basis) that results in catastrophic fuel rod failure, core degradation and fission product release into the reactor vessel, RB, or environment.

4.2 ABBREVIATIONS

AAT - Accident Assessment Team
ADV - Atmospheric Dump Valve
AP - Abnormal Procedure
BSP - Building Spray Pump
BWST - Borated Water Storage Tank
CFM - Cubic Feet per Minute
CFT - Core Flood Tank
CHLA - Candidate High Level Action
CR-3 - Crystal River Unit 3
CSF - Critical Safety Function
DCP - Decay Heat Closed Cycle Cooling System Pump
DHP - Decay Heat Pump
EAL - Emergency Action Level
ECCS - Emergency Core Cooling System
EDG or EGDG - Emergency Diesel Generator
EFIC - Emergency Feedwater Initiation and Control
EFP - Emergency Feedwater Pump
EFW - Emergency Feedwater
EOF - Emergency Operations Center
EOP - Emergency Operating Procedure
FPC - Florida Power Corporation
HPI - High Pressure Injection
ICC - Inadequate Core Cooling
IOC - Inter-Office Communication
LOCA - Loss of Coolant Accident
MFW - Main Feedwater
MSSV - Main Steam Safety Valve
OTSG - Once-Through Steam Generator
PAR - Protective Action Recommendation
PASS - Post-Accident Sampling System
PDC - Plant Damage Condition
PORV - Pilot-Operated Relief Valve
PRC - Plant Review Committee
PSIG - Pounds per Square Inch (Gauge)
QC - Quality Control
RB - Reactor Building
RCITS - Reactor Coolant Inventory Tracking System
RCP - Reactor Coolant Pump
RCS - Reactor Coolant System



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REP - Radiological Emergency Planning
RPS - Reactor Protection System
RWP - Raw Water Pump
Rx - Reactor
SPDS - Special Parameter Display System
SWP - Nuclear Services Closed Cycle Cooling System Pump
TSC - Technical Support Center
USNRC - U.S. Nuclear Regulatory Commission
XFRM - Transformer

5.0 RESPONSIBILITIES AND ACTIONS

5.1 RESPONSIBILITIES

5.1.1 EOF Technical Support Director

Notifies the EOF Accident Assessment Coordinator and the Corporate Health Physicist that the EOF has been activated and provides direction and control to the EOF functions associated with accident mitigation and assessment.

5.1.2 EOF Accident Assessment Coordinator

- a. Keeps the EOF Technical Support Director informed of AAT activities and developments in plant status, especially those that may impact EALs and PARs.
- b. Notifies the following positions that the EOF has been activated and provides coordination and support:
 - EOF Accident Assessment Operations Representative
 - EOF Accident Assessment Engineer
 - EOF Risk Analysis Representative
- c. Ensures communication is established with the TSC on the TSC/EOF Ringdown until EOF Communicator arrives.
- d. Assists in the setup of the EOF Accident Assessment Work Area.
- e. Performs "plant conditions" portion of the EOF briefings using the briefing guidelines provided in Attachment 5.
- f. Monitors the Accident Assessment Ringdown (communication between the Control Room and TSC AAT).
- g. Provides support to the TSC AAT in determining the causes and consequences of the emergency.



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- h. Ensures interface is established with the EOF Dose Assessment Team using Section 5.1.6 and Attachment 8 as guidance.
- i. Refers to attachments for additional accident assessment guidance and information.
- j. Notifies Simulator support personnel when necessary (e.g., for testing mitigation strategies).
- k. Monitors CSFs and provides status to EOF Technical Support Director and EOF personnel during briefings, as needed.

5.1.3 EOF Accident Assessment Operations Representative

- a. Verifies that the SPDS computer is properly set up and operational.
- b. Operates the SPDS computer.
- c. Monitors plant parameters and provides status updates to the EOF Accident Assessment Coordinator.
- d. Monitors communications between the Control Room and the TSC AAT via speaker in the EOF Accident Assessment Room.
- e. Assists in the setup of the EOF Accident Assessment Work Area.

5.1.4 EOF Accident Assessment Engineer

- a. Assesses plant conditions and provides Engineering support for developing accident mitigation strategies as needed.
- b. Provides Engineering support to the TSC Accident Assessment Team.
- c. Notifies additional Engineering resources when necessary.
- d. Assists in the setup of the EOF Accident Assessment Work Area.

5.1.5 EOF Risk Analysis Representative

- a. Monitors and assesses core status and provides updates to the EOF Accident Assessment Coordinator.
- b. Notifies additional resources for core damage assessment.
- c. Assists in the setup of the EOF Accident Assessment Work Area.



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5.1.6 Dose Assessment Team

- a. Supports the AAT with on-site radiological data and with chemical and radiological analysis of samples as needed to assess the accident.
- b. Provides plant radiation monitor readings and assessments.
- c. Provides projected radiological data (on-site and off-site doses, dose rates, and deposition) (> 1 hour to obtain).
- d. Provides RCS PASS data (> 1 hour to obtain) on radionuclide composition, Chloride concentration, dissolved Hydrogen concentration, and Boron concentration.
- e. Provides RB and/or Auxiliary Building atmosphere radionuclide composition (> 1 hour to obtain).

5.2 INSTRUCTIONS

- 5.2.1 The EOF Accident Assessment Coordinator or designee performs the duties of Attachment 1.
- 5.2.2 The EOF Accident Assessment Operations Representative performs the duties of Attachment 2.
- 5.2.3 The EOF Accident Assessment Engineer performs the duties of Attachment 3.
- 5.2.4 The EOF Accident Assessment Risk Analysis Representative performs the duties of Attachment 4.

6.0 INTERPRETATION CONTACT

Manager, Radiological Emergency Planning

7.0 REVISION HISTORY

Rev. 0	Date: <u>01/26/99</u>	Initial Issue
Rev. 1	Date: <u>10/09/00</u>	General revision to update attachments to match EM-225.



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- ATTACHMENT 1 - EOF ACCIDENT ASSESSMENT COORDINATOR CHECKLIST

Check

- ___ 1. Perform telephone notifications (referring to REP-02 or call card):
 - ___ EOF Accident Assessment Operations Representative
 - ___ EOF Accident Assessment Engineer
 - ___ EOF Risk Analysis Representative
- ___ 2. Check in with EOF Director upon arrival and ensure name is posted on staffing board.
- ___ 3. Ensure Accident Assessment Ringdown speaker is functional. (Refer to Attachment 10.) (This is for monitoring only. Contact the TSC AAT by plant extension as necessary.)
- ___ 4. Ensure CSFs are being assessed. (Refer to Attachment 5.) For the initial assessment, this information may be readily available from the TSC AAT. For subsequent evaluations, discuss with the EOF Technical Support Director whether TSC information is sufficient or if independent evaluations are desirable.
- ___ 5. Ensure PARs are appropriate per EM-202, Enclosure 8.
- ___ 6. Ensure Room 124's SPDS computer is functional. (Refer to Attachment 10.)
- ___ 7. Ensure communication is established with TSC on TSC/EOF Ringdown, until EOF Communicator arrives. (Refer to Attachment 10.)
- ___ 8. Ensure EOP/AP procedure book is retrieved from Operations Briefing Room (A117) or Simulator Control Booth (A115).
- ___ 9. Brief the EOF Technical Support Director on CSFs and plant status.
- ___ 10. Provide CSFs and status reports to the EOF Staff during briefings. Use guidelines on Attachment 5 as necessary.
- ___ 11. Establish interface with EOF Dose Assessment Team. Attachment 8 lists information needed by the Dose Assessment Team; Section 5.1.6 lists information available from the Dose Assessment Team.
- ___ 12. Ensure the Status Board Coordinator is provided current CSFs information in the Main Conference Room.
- ___ 13. Notify Simulator personnel for support, if needed (e.g., for testing mitigation strategies). (Refer to REP-02, Attachment 3.)
- ___ 14. Provide assistance to EOF Director on recovery plan. (Refer to Attachment 9.)



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- ATTACHMENT 2 -

EOF ACCIDENT ASSESSMENT OPERATIONS REPRESENTATIVE CHECKLIST

Check

- _____ 1. Confirm SPDS computer is operational. (Refer to Attachment 10.)
- _____ 2. Ensure work area is set up and functional. (Refer to REP-03A, Attachment 1.)
- _____ 3. Provide plant parameters/status to EOF Accident Assessment Coordinator.
- _____ 4. Ensure Accident Assessment Ringdown speaker is functional. (Refer to Attachment 10.) (This is for monitoring only. Contact the TSC AAT by plant extension as necessary.)



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- ATTACHMENT 3 -

EOF ACCIDENT ASSESSMENT ENGINEER CHECKLIST

Check

- _____ 1. Ensure work area is set up and functional. (Refer to REP-03A, Attachment 1).
- _____ 2. Establish communication with TSC AAT by plant phone as necessary
- _____ 3. Obtain applicable drawings/documents, as needed.
- _____ 4. Establish additional Engineering resources, if necessary.
- _____ 5. Provide assistance for recovery plan development. (Refer to Attachment 9.)



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- ATTACHMENT 4 -

EOF RISK ANALYSIS REPRESENTATIVE CHECKLIST

Check

- 1. Ensure work area is set up and functional. (Refer to REP-03A, Attachment 1.)
- 2. Obtain reactor core status. (Refer to Attachment 7.)
- 3. Provide initial core assessment to EOF Accident Assessment Coordinator.
- 4. Provide core status updates to EOF Accident Assessment Coordinator.
- 5. Complete Attachment 8 for the Dose Assessment Team and provide to the EOF Accident Assessment Coordinator.
- 6. Notify additional resources (engineers, etc.) for core damage assessment, if needed.
- 7. If requested by the TSC to perform an assessment of core damage based on reactor coolant sample, use Enclosure 2 from CH-632A.



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**- ATTACHMENT 5 -
BRIEFING GUIDELINE**

Refer to Enclosures 6 and 7 to aid in this evaluation.

I REACTOR SHUTDOWN Yes No

II. CORE ADEQUATELY COOLED Yes No

III. FISSION PRODUCT BARRIERS ASSESSMENT

Fuel clad	<input type="checkbox"/> Intact	<input type="checkbox"/> Challenged	<input type="checkbox"/> Lost	<input type="checkbox"/> Regained
RCS	<input type="checkbox"/> Intact	<input type="checkbox"/> Challenged	<input type="checkbox"/> Lost	<input type="checkbox"/> Regained
Containment	<input type="checkbox"/> Intact	<input type="checkbox"/> Challenged	<input type="checkbox"/> Lost	<input type="checkbox"/> Regained

IV. EMERGENCY ELECTRICAL POWER STATUS

Off-Site Power Available?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
ES Buses Energized?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Emergency Diesel Generator's Available?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
DC Power Available?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

V. CONTROL COMPLEX STATUS

Ventilation/Cooling Available?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Necessary Instrumentation Available?*	Yes <input type="checkbox"/>	No <input type="checkbox"/>

VI. OTHER CONDITIONS/CHALLENGES

* Necessary refers to specific instruments and annunciators that are needed to identify, diagnose, and track the problems that are causing the emergency.



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**- ATTACHMENT 6 -
CRITICAL SAFETY FUNCTION CHECKLIST**

Monitor the parameters associated with the Critical Safety Functions. The parameter tables below are for reference only. It is not intended that the tables be completed during each evaluation. Plant computer point numbers or SPDS/RECALL point numbers are listed, if available.

Using pre-established RECALL Groups based on accident type in progress is recommended.

Notify the AAT Coordinator immediately if any of the CSFs cannot be verified.

I. REACTOR SHUTDOWN STATUS:

REACTIVITY CONTROL

PARAMETER	COMPUTER POINT	RECALL POINT			
All Rods at in-limits Y/N	P057	RECL-375			
Intermediate Range detector NI-3 amps	P212	RECL-150			
Intermediate Range detector NI-4 amps	P213	RECL-151			
Source Range NI-1 cps	P202	RECL-152			
Source Range NI-2 cps	P203	RECL-153			
Low Range NI-14/15		RECL-102,103			
Adequate Shutdown Margin	OP-103C Curve 18&19				



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- ATTACHMENT 6 (Cont'd) -

II. CORE COOLING STATUS:

ECCS/SUPPORT STATUS

PARAMETER	COMPUTER POINT	RECALL POINT			
Subcooling Margin	M114				
A HPI Pump operating		RECL-209			
B HPI Pump operating		RECL-210			
C HPI Pump operating		RECL-211			
MUV-23 flow	W704	RECL-52			
MUV-24 flow	W706	RECL-54			
MUV-25 flow	W703	RECL-51			
MUV 26 flow	W705	RECL-53			
DHPs operating A/B (run/stop)	X063 X064	RECL-207 RECL-208			
DHP-1A flow	W409	RECL-55			
DHP-1B flow	W410	RECL-56			
CFT A level	P200				
CFT B level	P201				
CFT A press					
CFT B press					
BWST level (ft)	X335	RECL-57			
RWPs operating 1/2A/2B/3A/3B					
DCPs operating A/B (yes/no)					
SWPs operating A/B/C					

SECONDARY SYSTEM STATUS

PARAMETER	COMPUTER POINT	RECALL POINT			
EFIC OTSG A press	W449	RECL-252			
EFIC OTSG B press	W452	RECL-255			
OTSG A level	S285	RECL-92			
OTSG B level	S286	RECL-93			
MFW flow A	S301	RECL-100			
MFW flow B	S302	RECL-101			
EFPs operating 1/2/3/7					
EFW flow to A OTSG	S300	RECL-245			
EFW flow to B OTSG	S312	RECL-247			



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- ATTACHMENT 6 (Cont'd) -

III. FISSION PRODUCT BARRIER ASSESSMENT:

FUEL CLADDING BARRIER

<input type="checkbox"/> INTACT	<input type="checkbox"/> CHALLENGED	<input type="checkbox"/> LOST	<input type="checkbox"/> REGAINED
<ul style="list-style-type: none"> • No indication of cladding damage 	<ul style="list-style-type: none"> • RCS condition warrant entry into EOP-07 • Core Exit Thermocouples > 700 F 	<ul style="list-style-type: none"> • RCS conditions in (or previously in) Region 3 or Severe Accident Region • PASS indicates increased RCS activity >300μCi/gr I₁₃₁ (refer to CH-632A) • RM-G29/30 > 100 R/hr for \geq 15 minutes • Enclosure 10 indicates failed fuel 	<ul style="list-style-type: none"> • Cooling restored, no further degradation expected.

REACTOR COOLANT SYSTEM BARRIER

<input type="checkbox"/> INTACT	<input type="checkbox"/> CHALLENGED	<input type="checkbox"/> LOST	<input type="checkbox"/> REGAINED
<ul style="list-style-type: none"> • Leakage is within normal makeup pump capacity 	<ul style="list-style-type: none"> • RCS leak or OTSG tube leak requiring one or more injection valves to maintain adequate subcooling margin • RCS pressure /Tincore relationship violates NDT limits • RCS leak or OTSG tube leak results in ES actuation on low RCS pressure. • HPI/PORV or HPI/Code Safety valve cooling is in progress 	<ul style="list-style-type: none"> • RCS leak resulting in loss of adequate subcooling margin • OTSG Tube Rupture resulting in loss of adequate subcooling margin • RM-G29/30 >10R/hr for \geq 15 minutes 	<ul style="list-style-type: none"> • HPI/PORV or HPI Code Safety Cooling stopped • Subcooling Margin restored and leak isolated

CONTAINMENT BARRIERS

<input type="checkbox"/> INTACT	<input type="checkbox"/> CHALLENGED	<input type="checkbox"/> LOST	<input type="checkbox"/> REGAINED
<ul style="list-style-type: none"> • No evidence of containment leakage • Tube rupture release is only through condenser 	<ul style="list-style-type: none"> • RB pressure > 54 psig • RB hydrogen concentration > 4 % • RB pressure > 30 psig with no building spray available • RMG-29 or 30 reading > 25,000 R/hr • Core conditions in severe accident region of ICC curves for >15 min 	<ul style="list-style-type: none"> • Containment isolation is incomplete and release path to environment exists • OTSG Tube Rupture > 10 gpm exists and steam releasing to atmosphere • Containment pressure or sump level response not consistent with LOCA conditions • Rapid unexplained RB pressure decrease following an initial increase 	<ul style="list-style-type: none"> • Repair efforts have isolated leak • Containment pressure has reduced to stop leakage

Performed By: _____ Date: _____ Time: _____



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- ATTACHMENT 6 (Cont'd) -

IV. EMERGENCY ELECTRICAL POWER STATUS:

OFF-SITE POWER

PARAMETER	AVAILABLE	UNAVAILABLE
500 KV SWITCHYARD		
230 KV SWITCHYARD		
OFF-SITE POWER XFRM		
BEST		

ES BUSES

PARAMETER	AVAILABLE	UNAVAILABLE
A-ES 4160V BUS		
B-ES 4160V BUS		
A-ES 480V BUS (Note 1)		
B-ES 480V BUS (Note 1)		

EMERGENCY DIESEL GENERATOR

PARAMETER	RECALL PT.	LOADED	AVAILABLE	UNAVAILABLE
A-EDG	RECL-133,171			
B-EDG	RECL-134,172			

DC ELECTRICAL

PARAMETER Note (1)	AVAILABLE	UNAVAILABLE
A-BATTERY		
B-BATTERY		
C-BATTERY		

Note (1) Battery failure will occur if associated battery chargers are de-energized.



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- ATTACHMENT 6 (Cont'd) -

V. CONTROL COMPLEX STATUS:

CONTROL COMPLEX VENTILATION STATUS

PARAMETER	AVAILABLE	OPERATING	UNAVAILABLE
A-TRAIN EMERGENCY RECIRC			
B-TRAIN EMERGENCY RECIRC			
A-CHILLER			
B-CHILLER			

CONTROL ROOM INSTRUMENTATION STATUS

PARAMETER	AVAILABLE	UNAVAILABLE
NNI-X		
NNI-Y		
ICS		
EFIC		
RPS		
ESAS		

COMMENTS: _____



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- ATTACHMENT 7 -

CORE DAMAGE ASSESSMENT

Determine if core damage has occurred using one or more of the following methods. Estimate the extent of the damage. Evaluate the status of the fission product barriers. Report the results of the evaluation to the AAT Operations Support member and the Dose Assessment Team Leader. Continue to reassess core and fission product barrier status as conditions change.

- ESTIMATE CORE DAMAGE BASED ON RCS SAMPLES.

Core damage assessment based on Reactor Coolant samples will be evaluated by the Dose Assessment Team using CH-632A Enclosure 2. The results will be submitted to the AAT. (May take >2 hours to obtain results)

- ESTIMATE CORE DAMAGE BASED ON RM-G29/30 RADIATION LEVELS.

NOTE: (1) Use of RM-G29/30 for determining core status requires a failure of the RCS (i.e., LOCA or PORV open).

(2) Low monitor reading does not necessarily indicate lack of core damage. The release from the core may bypass the Containment, may be retained in the RCS, may be over a long period of time, or may not be uniformly mixed.

(3) Inconsistent readings may be due to the uneven mixing in the Containment (e.g., steam rising to the top). IT MAY TAKE SEVERAL HOURS FOR UNIFORM MIXING.

ASSUMPTIONS:

The below table assumes a short release. A long-term release cannot be characterized using these tables.

TIME	___:___	___:___	___:___	___:___	___:___
RM-G29	R/HR	R/HR	R/HR	R/HR	R/HR
RM-G30	R/HR	R/HR	R/HR	R/HR	R/HR

- NO CORE DAMAGE
< 100 R/HR

- POSSIBLE CLAD FAILURE AND GAS GAP RELEASE
100 - 25,000 R/HR WITH RB SPRAY
100 - 75,000 R/HR WITHOUT RB SPRAY

- POSSIBLE CORE MELTING
> 25,000 R/HR WITH RB SPRAY
> 75,000 R/HR WITHOUT RB SPRAY



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- ATTACHMENT 7 (Cont'd) - CORE DAMAGE PROGRESSION ONCE UNCOVERED

- IF inadequate subcooling margin exists,
THEN determine if the core is uncovered.

Reactor Coolant Inventory Tracking System (RCITS) provides a continuous indication of reactor vessel head and hot leg coolant inventory trend with the reactor coolant pumps in operation or tripped. RCITS consists of an RCS Hot Leg Level Subsystem, Reactor Vessel Level Subsystem and RC Void Trending Subsystem.

The RCS Hot Leg Level Subsystem (RC-163A/B-LR1) can monitor the top of the hot leg to the bottom of the hot leg with zero flow conditions. The Reactor Vessel Level Subsystem (RC-164A/B-LR1) can monitor the top of the reactor vessel to the bottom of the hot leg with zero flow conditions. The bottom of the hot leg is approximately two feet above the top of the fuel. An off-scale low reading would indicate a high probability of loss of level below core level. Any flow (including natural circulation) in the RCS will result in a lower than actual reading. Thus, any indicated level will provide assurance that coolant level is above the core.

The Reactor Void Trend Subsystem (RC-169-XR) monitors void trends in the RCS when RCPs are running. RCP motor power and Tcold are used to infer average density of fluid passing through the pump (liquid or two-phase). A 0% reading infers no voiding, while a 100% reading infers complete voiding.

Recorders are on the PSA panel in the Control Room and display on RECALL (points 62,63,64,65,70,71).

A-HOT LEG	B-HOT LEG	A-VESSEL	B-VESSEL	VOID TREND
RC-163A-LR1	RC-163B-LR1	RC-164A-LR1	RC-164B-LR1	RC-169-XR
RECALL PT 63	RECALL PT 70	RECALL PT 62	RECALL PT 65	RECALL PT 64,71

- CORE REMAINS COVERED
TINCORE indicates saturated conditions
RCITS indicates any level
- UNCOVERED FOR 15 TO 45 MINUTES
Core temperature 1800-2400°F
Fuel cladding failure (occurred in 34 minutes at Three Mile Island)
Rapid hydrogen generation
Release of fission products out of fuel pin gap (gas gap failure)
Local fuel melt
- UNCOVERED FOR 30 TO 90 MINUTES
Core temperature 2400-4200°F
Possible uncoolable core
Possible slump of molten core
Rapid release of volatile fission products (grain boundary release)
- UNCOVERED FOR 1 TO 3+ HOURS
Core temperature > 4200°F
Maximum core melt and hydrogen generation
Maximum in-vessel fission product release
Possible melt-through of vessel



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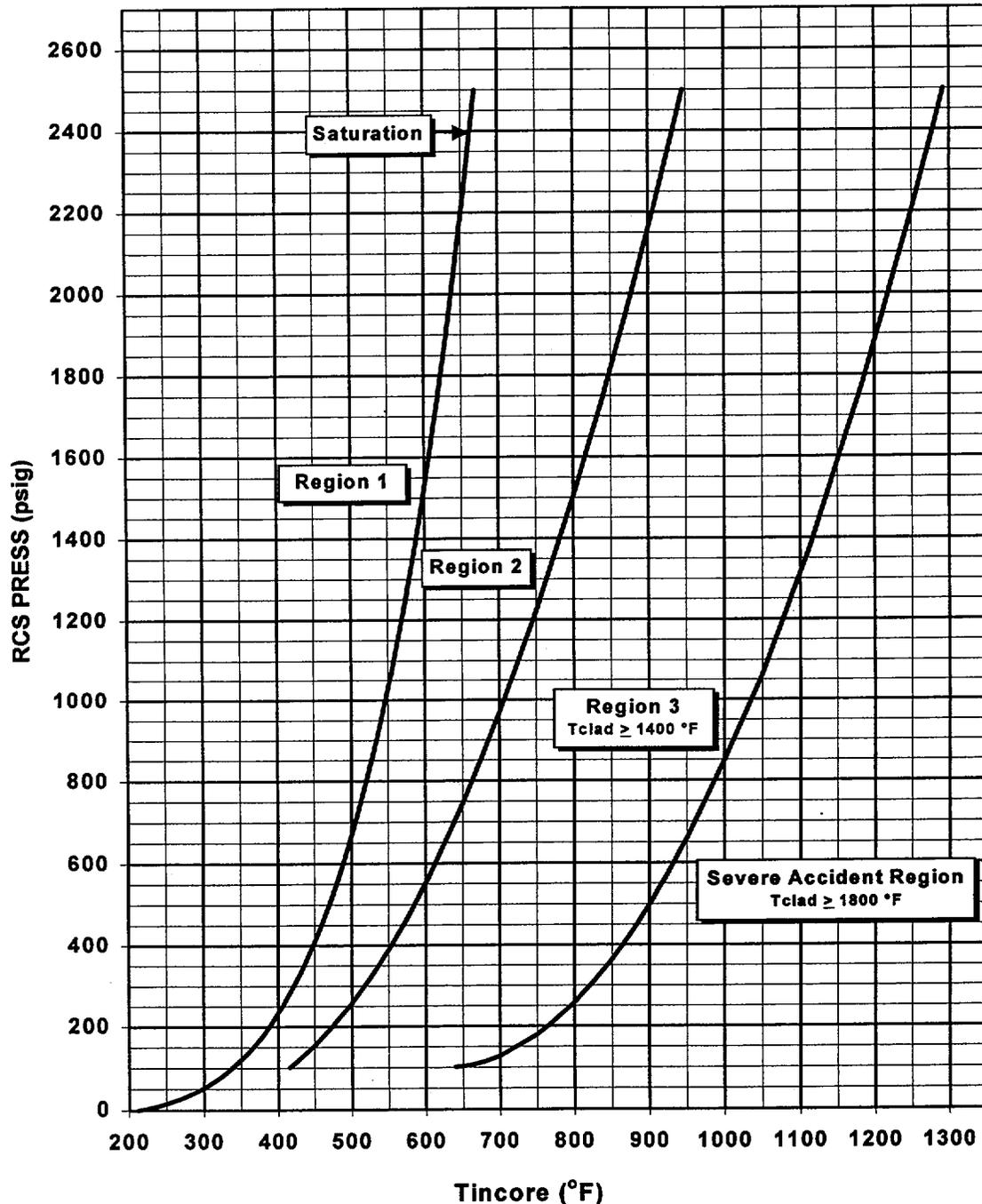
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- ATTACHMENT 7 (Cont'd) - CORE DAMAGE ASSESSMENT BASED ON ICC CURVE

- ASSESS CORE DAMAGE BY PLOTTING RCS PRESSURE/INCORE TEMPERATURE ON THE ICC CURVE BELOW.
 - Regions 1 and 2 indicate no fuel damage (normal RCS activity).
 - Region 3 indicates possible gas gap failure.
 - Severe Accident Region indicates possible core melt.





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- ATTACHMENT 8 - DOSE ASSESSMENT TEAM NOTIFICATION

1. The Accident Assessment Team is responsible for supplying the Dose Assessment Team with an evaluation of the accident type, the release pathway, and the release flow rate. The accident type affects the radionuclide distribution (i.e., percentage of each isotope) used by Dose Assessment to predict off-site doses.
2. The accident type is determined by physical parameters and instrument readings throughout the plant.
3. Complete the checklist below to the extent possible and give to the Dose Assessment Team Leader.

ACCIDENT TYPE

<input type="checkbox"/> LOCA	<input type="checkbox"/> W G Decay Tank Rupture	<input type="checkbox"/> OTSG Tube Leak
<input type="checkbox"/> Fuel Handling	<input type="checkbox"/> Other: _____	

LOSS-OF-COOLANT ACCIDENT TIME OF RX TRIP: _____

- a. Normal Activity Clad Damage Fuel melt (from Attachment 7)
- b. Release pathway information (leak from where to where) _____
- c. Release path flow rate (estimated for unmonitored releases) _____
- d. Estimated duration _____ Unknown _____
- e. Reactor Building spray on/off times _____
- f. Aux. Bldg. Ventilation: Flow rate _____ Charcoal banks in service A:B:C:D
- g. Containment pressure _____ PSIG
- h. Loose Parts Monitor indications No Yes Location: _____

WASTE GAS DECAY TANK RUPTURE

- a. Release pathway: Tank rupture Valve leakage Other _____
- b. Tank volume _____ pressure _____
- c. Release rate: Unknown _____ Estimate _____ CFM
- d. Estimated duration: Unknown _____ Time _____
- e. Aux. Bldg. Ventilation: Flow rate _____ Charcoal banks in service A:B:C:D

STEAM GENERATOR TUBE RUPTURE TIME OF RX TRIP: _____

- a. Primary-to-secondary leak rate: _____ gpm
- b. Core status: Cladding damage Fuel melt Normal
- c. Leaking OTSG isolated: Yes No
- d. MSSV Open: Yes No ADV Open: Yes No
- e. Condenser vacuum: Yes No RM-A2 In Service?: Yes No
- f. Potential for change in status of leak: Yes No
- g. Estimated duration of leak: _____
- h. Aux. Bldg. Ventilation: Flow rate _____ Charcoal banks in service A:B:C:D

FUEL HANDLING ACCIDENT

- a. Location of damaged fuel: Pool A Pool B Number of Elements _____
- b. Damage caused by: Mechanical impact Overheating Unknown
- c. Aux. Bldg. Ventilation: Flow rate _____ Charcoal banks in service A:B:C:D
- d. Release pathway: _____ Unknown _____
- e. Estimated duration _____ Unknown _____

Status as of _____ Date: _____ Completed By: _____



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- ATTACHMENT 9 -

SHORT-TERM RECOVERY PLAN GENERIC OUTLINE

PHASE I - INCIDENT STABILITY

1. Verify Security System integrity.
2. Assess integrity of systems required for long-term cooling by system walkdown:
 - Decay Heat
 - Spent Fuel
 - Ventilation
3. Continue cooldown using an appropriate heat removal method.
4. Verify termination of release.

PHASE II - DATA GATHERING

1. Auxiliary Building Filter Changeout and Analysis
2. Plant and Off-Site Radiation Surveys and Dose Assessments
3. Primary System and RB Atmosphere Sampling
4. Debrief key personnel.
5. Equipment inspection/develop damage report:
 - Emergency Feedwater System (including electrical)
 - Makeup System (HPI Valve)
 - PORV and Block Valves
 - Fuel Handling Area
 - Diesel Generator
6. Community Reaction Survey
7. Develop detailed incident report.
8. Establish whole body counting capability for emergency workers.



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- ATTACHMENT 9 (Cont'd) -

SHORT-TERM RECOVERY PLAN GENERIC OUTLINE

PHASE III - RESTORATION

Based on results of Phase II assessment:

1. Prepare procedures as required.
2. Begin repair efforts.
3. Establish team for system cleanup and waste disposal activities.
4. Establish community educational and public relations activities.
5. Establish Recovery Team organization and off-site support liaison.
6. Re-establish normal site operations.
7. Establish claim office.
8. Assure regulatory communication.
9. Establish technical assessment team (FPC, Framatome Technologies, other Architect/Engineer, etc.).
10. Develop long-term organizational recovery responsibilities and plant status objectives.

NOTE: The completed recovery plan and implementing procedures shall be submitted to the PRC for approval prior to implementation.



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- ATTACHMENT 10 -

EQUIPMENT INSTRUCTIONS

Accident Assessment Ringdown Speaker

1. Ensure the speaker is connected to phone jack 124-D5.
2. Turn on power using the knob on the front of the speaker.
3. Activate the speaker circuit by removing receiver from the Accident Assessment Ringdown phone in the Simulator Control Room. This phone must be off the hook for the Room 124 speaker to function.

SPDS

1. Ensure both computers and monitors designated for SPDS in northwest corner of Room 124 are turned on.
2. In the "Access Control Client" dialog box, ensure "CR3 SPDS" is selected in the drop-down box (or "SIM SPDS" for drills).
3. Click "LOGON."
4. Press "ALT TAB" until "SPDS" is selected.

TSC/EOF Ringdown Phone

The TSC/EOF Ringdown phone is located in southwest corner of Room 124. This is an automatic circuit that connects when either the TSC phone or EOF phone is taken off hook.