

DATE: 02/26/01
TIME: 08:02:21

AMEREN/UE
DOCUMENT CONTROL SYSTEM
DOCUMENT TRANSMITTAL

PAGE: 36
ARDC8801

TRANSMITTAL NUMBER: 460660
TO CONTROL NUMBER: 338U
TITLE: OTHER
DEPT: NUCLEAR REGULATORY COMM.
LOCATION: USNRC - WASH DC
TRANSMITTAL DATE: 20010226

RETURN ACKNOWLEDGED TRANSMITTAL AND
SUPERSEDED DOCUMENTS (IF APPLICABLE) TO:
ADMINISTRATION RECORDS
AMEREN/UE
CALLAWAY PLANT
P.O. BOX 620
FULTON, MO 65251

TRAN	DOC			RET		ALT	ALT				
CODE	TYPE	DOCUMENT	NUMBER	REV	REV	MED	COPY	MED	COPY	AFFECTED	DOCUMENT
R	PROC	EIP-ZZ-A0001		004	003	C	1				
D	PROC	00-0361			003	C	1			EIP-ZZ-A0001	
R	PROC	EIP-ZZ-00201		034	033	C	1				

ACKNOWLEDGED BY:

DATE:

A045

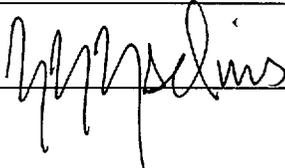
CALLAWAY PLANT
EMERGENCY PLAN IMPLEMENTING PROCEDURE
EIP-ZZ-A0001
EMERGENCY RESPONSE ORGANIZATION

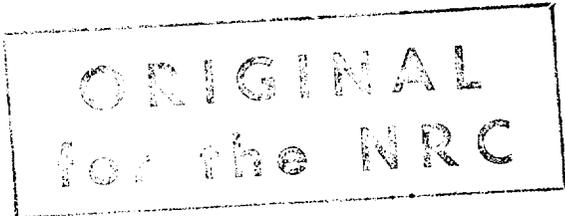
RESPONSIBLE DEPARTMENT Emergency Preparedness

PROCEDURE OWNER S. J. Crawford

WRITTEN BY S. J. Crawford

PREPARED BY S. J. Crawford

APPROVED BY  EDO



DATE ISSUED 2-26-01

This procedure contains the following:

Pages	<u>1</u>	through	<u>5</u>
Attachments	<u>1</u>	through	<u>1</u>
Tables	<u> </u>	through	<u> </u>
Figures	<u> </u>	through	<u> </u>
Appendices	<u> </u>	through	<u> </u>
Checkoff Lists	<u> </u>	through	<u> </u>

This procedure has checkoff list(s) maintained in the mainframe computer.

Conversion of commitments to TRS reference/hidden text completed by Revision Number:

Non-T/S Commitments 003

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Attachment 1	Emergency Response Organization Maintenance Form, CA-#2448	2 Pages
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EMERGENCY RESPONSE ORGANIZATION

1 PURPOSE AND SCOPE

1.1 PURPOSE/SCOPE

This procedure defines administrative and maintenance expectations of the Emergency Response Organization.

2 DEFINITIONS

- 2.1 “As Needed” Personnel – Emergency Response Personnel identified as “as needed” on Table 5 of the **RERP**. Notified to respond by manual callout conducted by their respective coordinator.
- 2.2 Emergency Response Personnel – Pre-designated personnel, in addition to Rapid Responders, who staff the Emergency Response Facilities to make them capable of fulfilling all intended emergency functions. Emergency Response Personnel may be duty or non-duty responders.
- 2.3 Duty Responders – Emergency Response Personnel designated for rotating on-call coverage scheduled around the clock to ensure response during off-normal working hours.
- 2.4 Emergency Response Organization - An organization that has been established to provide technical and logistical direction in the event of a radiological emergency declaration at the Callaway Plant. This organization is structured to provide Plant control and coordination of on-site response, coordination of off-site response and dissemination of information to the public.
- 2.5 Emergency Response Organization Staffing Levels – The desired staffing level for the Emergency Response Organization is to maintain six (6) individuals qualified in each emergency response position identified in the Radiological Emergency Response Plan. The minimum staffing level is three (3) qualified individuals per position.

- 2.6 Emergency Telephone Directory – A document published and distributed quarterly, containing the telephone numbers of the Plant’s Emergency Response Facilities (ERFs), off-site emergency telephone numbers, and phone numbers of individuals by position of the Emergency Response Organization.
- 2.7 Mobilization – The process of staffing the Emergency Response Facilities with the Emergency Response Organization. This includes announcements over Plant Gai-tronics System and activation of the Cellular Paging System.
- 2.8 Non-Duty Responders – Designated Emergency Response Personnel that are not on a duty schedule but are expected to respond to emergency pages at all times if fit-for-duty and within the response goal times.
- 2.9 Rapid Responders – Pre-designated Duty Responders assigned to staff the Technical Support Center and the Emergency Operations Facility sufficiently to relieve Control Room personnel of emergency functions not directly related to operation of the Plant. Rapid Responders are designated on a rotating basis to be available for mobilization via the Cellular Paging System. When designated on duty, personnel remain fit for duty and within their designated response time of the Plant.

3 PROCEDURE

3.1 EMERGENCY RESPONSE ORGANIZATION (ERO)

Mobilized at the ALERT or higher emergency classification or when deemed necessary by the Shift Supervisor. The ERO augments the on-shift operating organization and consists of the Rapid Responders and Designated Emergency Response Personnel.

3.1.1 Responsibilities of Emergency Response Organization (ERO) members:

3.1.1.1 Maintaining qualifications and requalifications as per **EIP-ZZ-A0066**, RERP Training Program.

3.1.1.2 Informing Emergency Preparedness Department as per **APA-ZZ-00902**, Employee Personnel Changes, Termination, and/or Access Withdrawal, of terminating employment at the Callaway Plant or circumstances that would no longer allow participation as an ERO member.

3.1.1.3 Being aware, that if declared pregnant, they will not respond and will be deleted as an ERO member. **(CARS 200000370)**

3.1.1.4 Participating in required tests, drills, and exercises.

NOTE: When paged by the Plant for an Emergency, instructions are displayed on the pager. Any Group Pages that do not display Emergency Response Organization instructions should be disregarded. **(CARS 199802824)**

3.1.1.4.1 A **TEST** requires a phone call to the emergency Audix.

3.1.1.4.2 A **DRILL** requires a call to the emergency Audix, except when onsite during normal working hours, plus actual response to your designated Emergency Response Facility.

3.1.1.4.3 An **EMERGENCY** requires the same response as a **DRILL**.

NOTE: If an **ACTUAL** Plant Emergency message is received, all ERO members, that are fit for duty, should respond.

3.1.2 Responsibilities of Duty Responders:

3.1.2.1 Wear or maintain assigned pager within hearing range at all times.

3.1.2.2 Maintain the duty cellular phone (if assigned) available for use at all times.

3.1.2.3 Remain “fit for duty” as specified in Callaway Plant Policies and Procedures.

3.1.2.4 Maintain ability to respond to the respective Emergency Response Facility within their response time goal, as specified in the RERP.

3.1.2.5 Respond to paging instructions safely and immediately.

3.1.2.6 Ensure duty exchange and turnover is verbal in all cases.

3.1.2.7 Emergency Preparedness should be notified of trades involving one week or greater so the duty schedule can be updated.

3.1.2.8 Rapid Responders responding to the EOF should be in possession of a key to the EOF to allow quick access.

3.1.2.9 Recovery Managers/Company Spokespersons, Technical Assessment Coordinators/Lead Engineers, Off-site Liaison Coordinators/EOF Communicators, and Dose Assessment Coordinators have Rapid Responder duty responsibilities as well as other Emergency Response Organization positions, and should respond to all emergency pages if fit for duty.

3.1.3 Responsibilities of Non-Duty Responders:

NOTE: Non-Duty Responders are considered emergency responders at all times. Exceptions are when the responder is not fit for duty, sick, on vacation, or out of the response area.

3.1.3.1 The responder is expected to maintain assigned pager within hearing range at all times.

3.1.3.2 Follow the instructions displayed on the pager in a safe and immediate manner.

3.2 MAINTAINING THE EMERGENCY RESPONSE ORGANIZATION

3.2.1 Emergency Preparedness (EP)

3.2.1.1 Is responsible for the overall maintenance of the Emergency Response Organization.

3.2.1.2 Publishes and distributes the Emergency Telephone Directory per the Surveillance program.

3.2.1.3 Ensures minimum staffing levels of the Emergency Response Organization is maintained by using Emergency Response Organization Maintenance Form, Attachment 1.

3.3 MAINTENANCE OF THE EMERGENCY RESPONSE ORGANIZATION DURING REFUEL OUTAGE PERIODS

3.3.1 Approximately sixty days prior to a refuel outage, Emergency Preparedness and Outage Scheduling reviews the outage organization.

3.3.2 Emergency Response Organization Positions are identified with outage positions or qualified personnel to ensure round the clock coverage for the Emergency Response Organization during refuel outages.

4 REFERENCES

- 4.1 10CFR26, Fitness for Duty
- 4.2 10CFR50.47, Emergency Plans
- 4.3 10CFR50 Appendix E, Emergency Planning and Preparedness for
Production and Utilization
- 4.4 Callaway Plant Radiological Emergency Response Plan (**RERP**)
- 4.5 NRC Reg Guide 1.101, Emergency Planning and Preparedness for
Nuclear Power Reactors
- 4.6 NUREG 0654/FEMA-REP-01, Revision 1, November 1980
- 4.7 **APA-ZZ-00902**, Employee Personnel Changes, Termination,
and/or Access Withdrawal
- 4.8 **EIP-ZZ-A0066**, RERP Training Program

5 RECORDS

- 5.1 Q. A. Records
None
- 5.2 Commercial Records
- 5.2.1 Emergency Response Organization Maintenance Form, CA-#2448
(File Number K250.0010)

**EMERGENCY RESPONSE ORGANIZATION
MAINTENANCE FORM**

NAME SOCIAL SECURITY NUMBER

EMERGENCY RESPONSE POSITION ERO CODE

ADDITION

INITIAL 1. Does the individual have a color vision impairment? Yes No

NOTE: If color vision impairment is identified by the individual, Fitness for Duty Nurses will evaluate to determine if the impairment would prevent the individual from performing Emergency Response Organization duties. (CARS 199700904)

INITIAL 2. ERO Code added to Personnel Database.

INITIAL 3. Qualified for Emergency Position per **EIP-ZZ-A0066**.

INITIAL 4. Emergency Response Organization Listing updated on the EP Intranet Page.

INITIAL 5. Pager assigned. Number _____

INITIAL 6. Apply responder sticker to driver license.

INITIAL 7. Schedule a drill observation (preferred) or walk-through of the Emergency Response Facility with a qualified individual, Training Department, or Emergency Preparedness Department. (CARS 199803843)

I have read and understand the expectations pertaining to my ERO position.

Signature, ERO Member

DELETION

INITIAL 1. ERO Code removed from Personnel Database.

INITIAL 2. Emergency Response Organization Listing updated on the EP Intranet Page.

INITIAL 3. Pager and/or cellular telephone returned.

INITIAL 4. Ensure the person is aware that they are not to respond as an ERO Member, unless reinstated.

EMERGENCY RESPONSE ORGANIZATION EXPECTATIONS

General

<p><u>NOTE:</u> Contract personnel MUST meet the requirements of a separate agreement.</p>
--

ALL Emergency Response Organization (ERO) personnel are responsible for:

- Attending scheduled RERP training to maintain qualifications in accordance with **EIP-ZZ-A0066**.
- Participating in RERP Tests, Drills, and Exercises, as either a player or controller.
- Notifying the Emergency Preparedness department if their ERO pager or cellular phone (if assigned) is lost or needs repair.
- Notifying the Emergency Preparedness department if ERO responsibilities can no longer be filled.
- Ensuring their emergency code is removed and they do not respond as an ERO Member if declared pregnant. **(CARS 200000370)**
- Being aware that when responding to an emergency page from on site, responds directly to the Emergency Facility, don't call the toll free number.

Duty Section Personnel

ALL Rapid Responders, and individuals assigned other ERO positions with assigned Duty Sections, are expected to meet the below requirements when **ON DUTY**:

- Wear and maintain their assigned pagers at all times.
- Carry and maintain the duty cellular phone (if assigned) at all times.
- Be in possession of a key to the EOF for quick access (EOF Rapid Responders only).
- Remain "fit for duty" as specified in Callaway Plant Policies and Procedures.
- Maintain the ability to respond to their respective Emergency Response Facility within the response time goal, as specified in the RERP.
- Respond to paging instructions safely and immediately.
- When assuming or being relieved of Duty, turnover **WILL** be verbal in **ALL** cases.
- When trading duty for periods of one week or greater, contact the Emergency Preparedness department so that the Duty Schedule can be updated on the LAN.

Non-Duty Section Personnel

All personnel assigned to Non-Duty Section ERO positions are expected to meet the below requirements at all times (exceptions to these expectations are when individuals are not fit for duty, sick, on vacation, or out of the response area):

- Wear and maintain their assigned pagers at all times.
- Respond to paging instructions safely and immediately.

CALLAWAY PLANT
EMERGENCY PLAN IMPLEMENTING PROCEDURE
EIP-ZZ-00201
NOTIFICATIONS

RESPONSIBLE DEPARTMENT Emergency Preparedness

PROCEDURE OWNER S. J. Crawford

WRITTEN BY S. J. Crawford

PREPARED BY S. J. Crawford

APPROVED BY *[Signature]* EDO

DATE ISSUED 2-26-01

**ORIGINAL
for the NRC**

This procedure contains the following:

Pages	<u>1</u>	through	<u>8</u>
Attachments	<u>1</u>	through	<u>3</u>
Tables	<u> </u>	through	<u> </u>
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Checkoff Lists	<u> </u>	through	<u> </u>

This procedure has checkoff list(s) maintained in the mainframe computer.

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Non-T/S Commitments 028

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6	RECORDS	7
Attachment 1 - Control Room Notification Package, CA-#2517a		8 Pages
Attachment 2 - TSC (ENS) Communicator Package, CA-#2517b		3 Pages
Attachment 3 - EOF Notification Package, CA-#2517c		6 Pages

NOTIFICATIONS

1 PURPOSE AND SCOPE

- 1.1 Provide responsibilities and guidance for notifying off-site agencies that an emergency has occurred at the Callaway Plant.

2 DEFINITIONS

- 2.1 INITIAL NOTIFICATION - Any notification that results from any of the following:
- a. Initiation of an emergency classification.
 - b. Change of an existing emergency classification.
 - c. Entering into plant recovery from an existing emergency classification.
 - d. Declaration of the close out of any emergency classification.
- 2.2 FOLLOW-UP NOTIFICATION - Any notification which periodically updates off-site emergency organizations regarding emergency conditions or changes to Protective Action Recommendations but does not meet the conditions of an initial notification.
- 2.3 SENTRY - A computerized notification system linked between the Callaway Plant, the State Emergency Management Agency (SEMA) and the four (4) Emergency Planning Zone (EPZ) risk counties. It allows the Communicator to fill out a notification form on screen and then transmit the data simultaneously to all agencies. Notifications on SENTRY can be initiated from the Control Room, Control Room Simulator and Emergency Operations Facility (EOF).
- 2.4 FEDERAL TELECOMMUNICATIONS SYSTEM (FTS) - A telephone network provided for governmental use. The NRC telephone network is part of FTS.

- 2.4.1 EMERGENCY NOTIFICATION SYSTEM (ENS) - An FTS telephone connecting the Callaway Plant with the NRC Operations Center. ENS lines are installed in the Control Room, Simulator, TSC, and EOF.
- 2.4.2 HEALTH PHYSICS NETWORK (HPN) - An FTS telephone used for official communication between the Callaway Plant and the NRC Operations Center. It is primarily used for the transmittal of radiological information. HPN phones are located in the EOF and TSC.
- 2.4.3 BACK UP RADIO SYSTEM (BURS) - An 800 MHz radio system used to communicate with the State and EPZ Counties when SENTRY is unavailable. There are radios located in the Control Room, Simulator, TSC, EOF, EPZ Counties, and State EOC.
- 2.4.4 COMMERCIAL TELEPHONES - Callaway Plant Commercial Telephones are used to communicate with State and EPZ Counties as a backup to SENTRY and BURS.

3 RESPONSIBILITIES

- 3.1 EMERGENCY COORDINATOR (EC)/RECOVERY MANAGER (RM)
 - 3.1.1 Until relieved, the Shift Supervisor (SS) acts as the Emergency Coordinator and from this point will be referred to as the EC.
COMN 3314
 - 3.1.2 The EC, in the absence of the RM, is responsible for initiating this procedure and authorizing the release of notifications to off-site authorities. The RM, when present in the EOF, accepts this responsibility. **COMN 3946 COMN 3361 COMN 42570**
- 3.2 OFF-SITE LIAISON COORDINATOR (OSL)
 - 3.2.1 The OSL reports to the RM in the EOF and assumes off-site notification responsibilities, except ENS, from the Communicator in the Control Room. The OSL is also responsible for keeping off-site authorities up-to-date regarding on-site emergency response activities, receiving responding representatives from off-site agencies, assisting in meeting their communications and logistic needs, and other duties as assigned by the RM.

3.3 CONTROL ROOM COMMUNICATOR

- 3.3.1 The Control Room Communicators report to the Control Room when an emergency is announced and initiate notifications to off-site authorities as directed by the Emergency Coordinator (EC). If an ALERT (or higher) emergency is declared, the responsibility for communication with the NRC via the ENS line is transferred to the TSC (ENS) Communicator and responsibility for off-site notifications is transferred to the Off-Site Liaison Coordinator/EOF Communicator in the EOF. After being relieved of communication responsibilities, the Control Room Communicators may be assigned other duties or report to the appropriate coordinator in the TSC as directed by the EC. **COMN 3319**.

3.4 TSC (ENS) COMMUNICATOR

- 3.4.1 The TSC (ENS) Communicator reports to the EC in the TSC to relieve the Control Room Communicator, as soon as possible, of the Emergency Notification System (ENS) communications with the NRC, as directed by the NRC.

<p><u>NOTE:</u> If not in contact with the NRC at time of transfer, it is permissible to accept communications then notify the NRC that the ENS line has been transferred to the TSC.</p>

3.5 EOF COMMUNICATOR

- 3.5.1 The EOF Communicator reports to the EOF and relieves the Control Room Communicator, per Recovery Manager (RM) instruction, of all off-site notification responsibilities, except (ENS). **COMN 3398**

4 PROCEDURE

NOTE: Attachment 1, Control Room Notification Flowchart, should be used as guidance for making notifications from the Control Room.
Attachment 2, TSC (ENS) Communicator Flowchart, should be used as guidance for communicating with the NRC from the TSC.
Attachment 3, EOF Communicator Flowchart, should be used to make notifications from the EOF.
CARS 20000531

4.1 COMMON GUIDELINES

- 4.1.1 Communicators announce their presence and availability to the appropriate Coordinator when arriving at their Emergency Response Facility (Control Room, TSC, or EOF).
- 4.1.2 Prior to initiating any communications, or assuming communications responsibility, the Control Room or TSC Communicator should ensure that there is a dial tone on the ENS telephone.
- 4.1.3 Prior to initiating any communications, or assuming communications responsibility, the Control Room or EOF Communicator should ensure that:
 - 4.1.3.1 SENTRY Notification System is operational and ready for use:
 - 4.1.3.1.1 Turn the SENTRY computer on, or reboot if already on, using the instructions provided on the keyboard cover. Sign on to the LAN.
CARS 200001663
 - 4.1.3.1.2 Check that the computer clock is within one minute of the Plant Computer time. If the clock is wrong, double click on the time in the lower right hand corner of the screen and set the clock.
 - 4.1.3.1.3 If the SENTRY program does not load automatically, from the Windows based desktop select **Start**, then **Programs** then **SENTRY**.
 - 4.1.3.2 Check that the verification call-back line (676-8840) has a dial tone and that the Backup Radio is on and displays "EOC".

4.1.4 If the primary means of communication for any notification point is unavailable, the appropriate back-up means of communication, indicated on the notification flowchart should be utilized.

4.2 INITIAL NOTIFICATIONS

4.2.1 Notification of State and Local Authorities SHALL be initiated within 15 minutes and the NRC within 60 minutes following the DECLARATION of an emergency. **COMN 3947 COMN 1119**

4.2.2 Notification of the four counties (Callaway/Fulton, Montgomery, Gasconade, and Osage) is initiated upon direction from the Emergency Coordinator (or Recovery Manager), by a Communicator simultaneously transmitting the notification to all the county Emergency Communication Centers via SENTRY. **COMN 3948**

4.2.3 The first notification to the State Emergency Management Agency (SEMA), upon direction from the EC, is initiated by a Communicator via SENTRY. If it is off normal working hours or a back-up method of notification is needed, the Communicator uses the telephone to call Missouri State Highway Patrol Troop F, the State notification point. If verification is not received within approximately 30 minutes, the Communicator re-initiates notification to the State notification point. **COMN 3949**

4.2.4 Notification of the NRC is initiated by a communicator (upon direction from the Emergency Coordinator) utilizing the Emergency Notification System (ENS). Once communications with the NRC are established, they are maintained until the NRC directs otherwise. **COMN 42037**

4.2.5 For Control Room Evacuation in accordance with **OTO-ZZ-00001**, use Attachment 1, page 4 of 8, for guidance.

4.3 FOLLOW-UP NOTIFICATIONS

4.3.1 Follow-up notifications are made approximately every 30 minutes, or as an initial check immediately after a transfer of communications has occurred.

4.3.1.1 When at an Unusual Event and conditions are stable, the notification frequency may be reduced, with the concurrence of SEMA and the EPZ Counties.

- 4.3.1.2 Follow-up notifications are made more frequently if conditions are changing.
- 4.3.1.3 Follow-up notifications that initiate or change Protective Action Recommendations should be completed with the same urgency as initial notifications (i.e., within 15 minutes of PAR declaration).
- 4.3.1.4 Once plant recovery has been declared following an Alert or higher emergency, follow-up notifications should be made only when conditions change and the results could affect off-site evolutions.

4.4 TRANSFERRING NOTIFICATION RESPONSIBILITY

<p><u>NOTE:</u> The transfer of ENS line from the Control Room to the TSC will be under the guidance of the NRC.</p>
--

4.4.1 When the TSC (ENS) Communicator is staffed:

<p><u>NOTE:</u> Attachment 1, page 7 of 8, Section I, will be used by the Control Room Communicator, and Attachment 2, page 3 of 3, is used by the TSC Communicator.</p>
--

- 4.4.1.1 If in continuous contact with the NRC perform, the following:
 - 4.4.1.1.1 The Control Room Communicator should inform the NRC that the TSC is ready for the transfer.
 - 4.4.1.1.2 The NRC will supply guidance as to how and when they want that transfer to occur.
- 4.4.1.2 If currently not in contact with the NRC, perform the following:
 - 4.4.1.2.1 The TSC (ENS) Communicator notifies the NRC that communications are now with the TSC.
 - 4.4.1.3 Log the transfer of responsibility in the facility logs and inform the EC.

4.4.2 When the EOF Off Site Liaison Coordinator or EOF Communicator is staffed:

<p><u>NOTE:</u> Attachment 1, page 7 of 8, Section II, will be used by the Control Room Communicator and Attachment 3, page 6 of 6, is used by the EOF Communicator.</p>
--

4.4.2.1 The RM or Protective Measures Coordinator (PMC) will coordinate the transfer of notification responsibility, except ENS line, from the Control Room to the EOF.

<p><u>CAUTION:</u> Once SENTRY is terminated, do not reinitiate it unless accepting notification responsibilities back from the EOF.</p>
--

4.4.3 The final step for the Control Room Communicators in transferring notifications to the EOF is to point and click the TERMINATE BUTTON. This allows the transfer of modem lines to the EOF for continuing notifications.

4.4.4 Notify the EC/RM that the transfer is complete.

4.4.5 When notifications are assumed in the EOF, prepare, get approval, and send a follow-up notification. This is to ensure proper notification system operation in the EOF. Print a copy of this notification and fax it to the TSC.

5 REFERENCES

5.1 **OTO-ZZ-00001** , Control Room Inaccessibility.

6 RECORDS

6.1 QA RECORDS

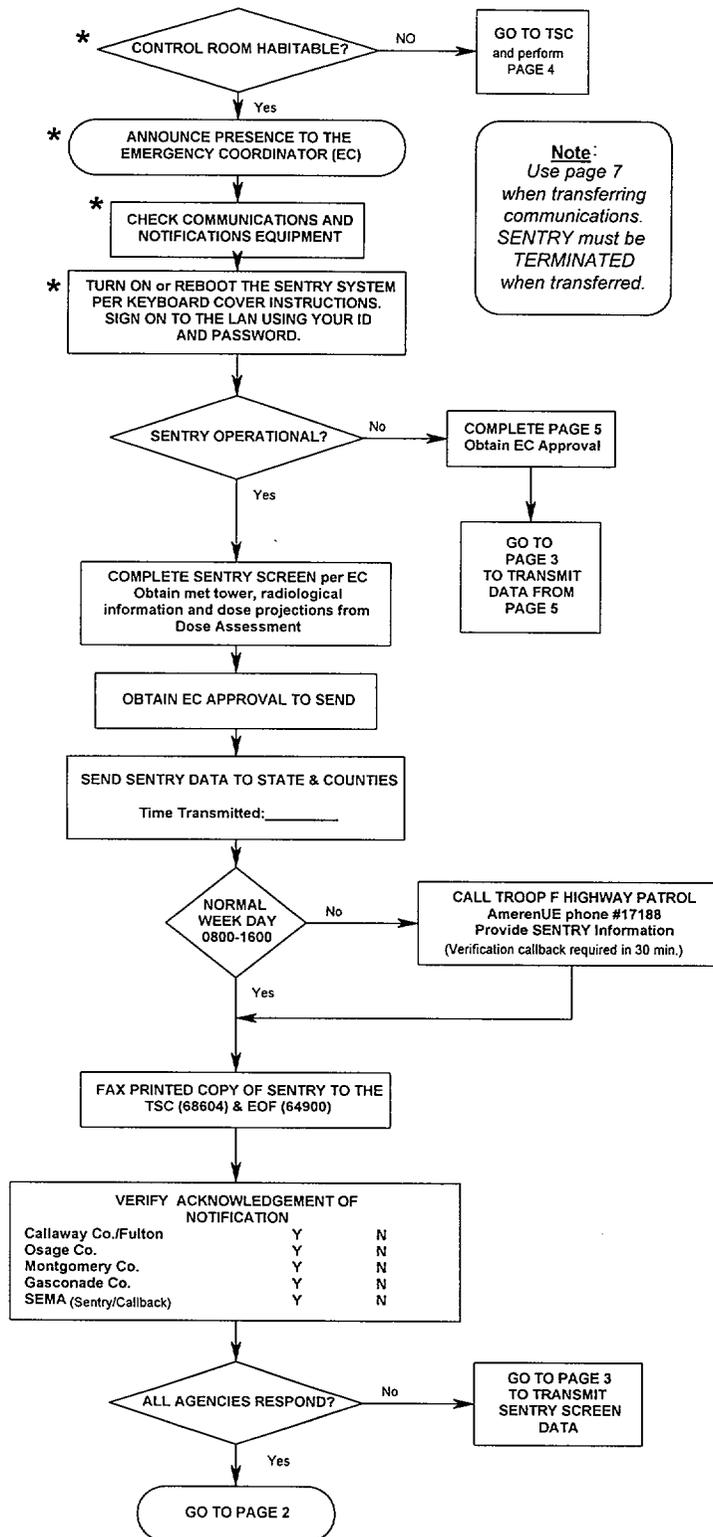
6.1.1 Printout copy of each notification from SENTRY.
(File K171.0010)

6.1.2 Attachment 1, Control Room Notification package.
(File K171.0010)

- 6.1.3 Attachment 2, TSC (ENS) Communicator package.
(File K171.0010)
- 6.1.4 Attachment 3, EOF Notification package. (File K171.0010)

CONTROL ROOM NOTIFICATION PACKAGE

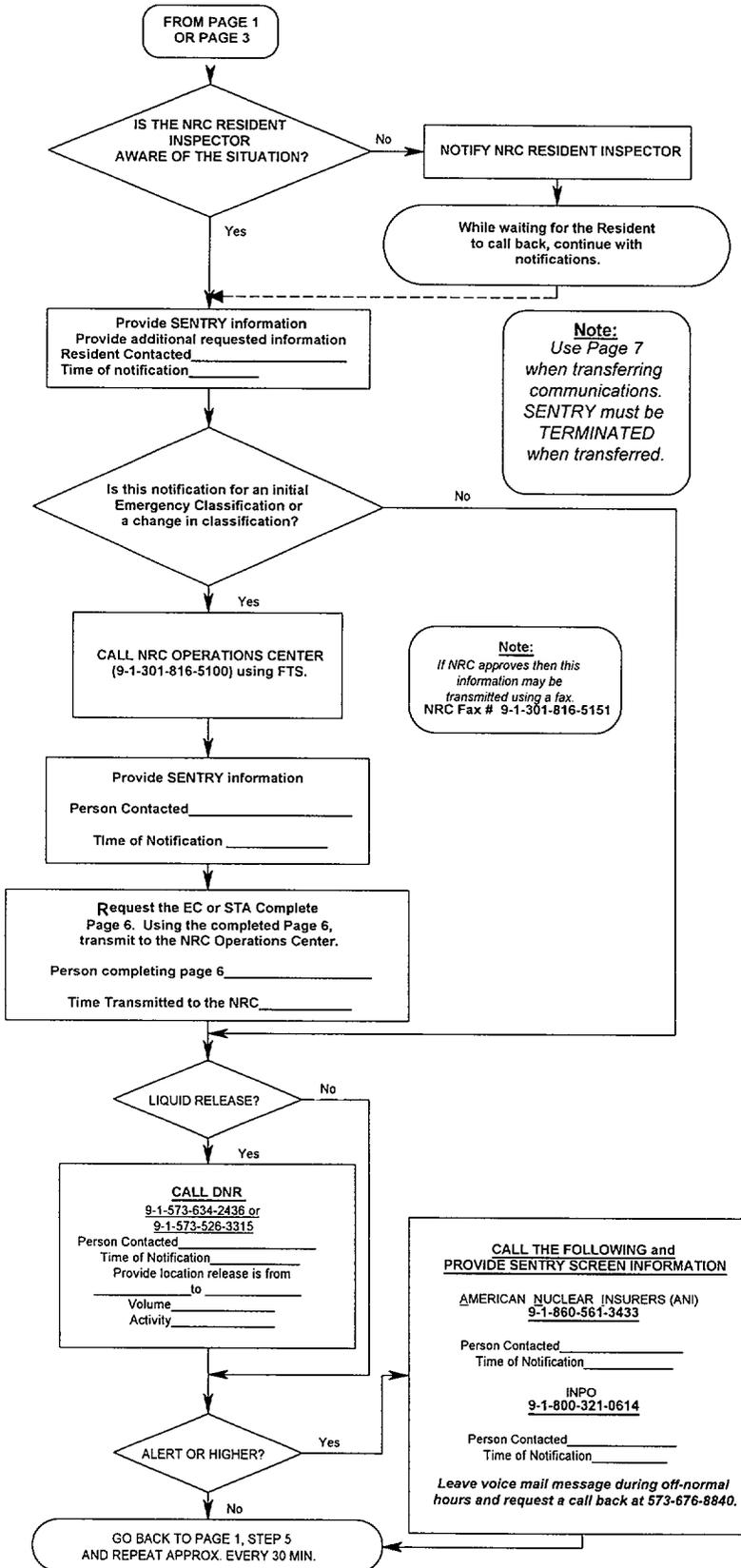
Flowchart



- * 1. If the Control Room is declared uninhabitable move to the TSC and prepare to complete notifications on the Backup Radio System (BURS).
- * 2. Announce to the Shift Supervisor that you are a communicator.
- * 3. Check that the ENS and Callback lines have dial tone and the BURS is on.
- * 4. Turn on or Reboot SENTRY System per keyboard cover instructions and then sign on to the LAN using your ID and password.
- 5. If SENTRY is not working, fill out page 5, get approval, and make the notification using the Backup Radio System per page 3.
- 6. If SENTRY is operational, fill in the notification form on the SENTRY screen per instruction of the EC. Met Tower and Radiological release data can be obtained from the Dose Assessment Technician.
- 7. Have the Emergency Coordinator review and approve the SENTRY information for transmission.
- 8. After approval, transmit the notification by clicking the SEND button. The system should print a copy of the screen.
- 9. If it is not a normal work day , then call the Highway Patrol Troop F Headquarters using phone # 17188. Read the information from the SENTRY screen, then ask if there are any questions.
- 10. Use the printed copy from step 8 and fax it to the TSC (68604) and the EOF (64900).
- 11. From the SENTRY Status screen ensure all locations acknowledge receipt of the notification by checking Y or N by each location.
- 12. If not all the agencies respond go to page 3 and transmit the data from the SENTRY screen. Ask if there are any questions.
- 13. After the counties and State have been notified, go on to page 2 for notification of other off site agencies.

* ITEMS THAT ONLY NEED TO BE DONE INITIALLY. REPEAT OTHER STEPS FOR NEW INFORMATION OR APPROXIMATELY EVERY 30 MINUTES.

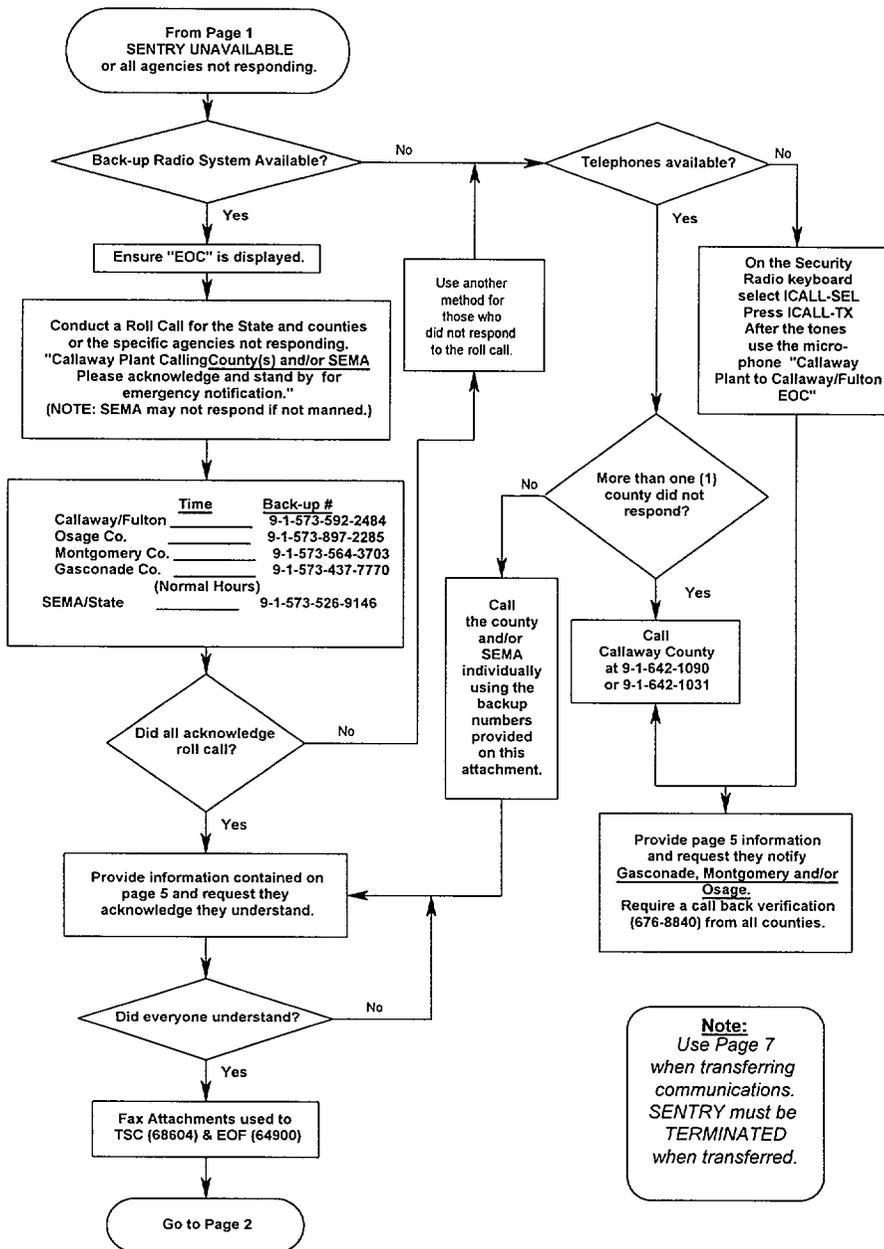
CONTROL ROOM NOTIFICATION PACKAGE Flowchart (continued)



14. Contact the NRC Resident Inspector. If not in the Control Room, call **68667** or page on gairtronics. If no response call **9-1-800-443-7243**, when answered enter 019829, after the tone enter **573 676 8840**.
15. Continue on with the notifications while waiting for the inspector to call back.
16. When the inspector calls back read the information from the Sentry screen notification that was made to the counties and State. Record the person's name and the time when notified.
17. The NRC OPERATIONS CENTER must be notified of all initial Emergency Classifications and changes in Emergency Classifications. Use FTS phones when possible, but regular AMEREN phones can be used.
 - a. Primary **9-1-301-816-5100**
 - b. Backups **9-1-301-951-0550**
9-1-301-415-0550
9-1-301-415-0553
18. Read the information from the SENTRY screen, and record the person's name and the time of notification on the chart.
19. Request the EC or STA complete page 6, Additional Information To Be Transmitted To The NRC Operations Center. Transmit this information to the NRC Operations Center.
20. If the accident involves a liquid release contact Missouri Department of Natural Resources (DNR) 9-1-573-634-2436 or 9-1-573-526-3315.
 - a. Record the name of the person and time of notification.
 - b. Provide the location the release was from and the location where it went.
 - c. Provide the volume of the leak and activity if known.
21. Contact ANI (9-1-860-3433) and INPO (9-1-800-321-0614).
 - a. If no answer, leave a voice mail and call back number (573-676-8840).
 - b. Provide SENTRY information.
 - c. Record the name of the person and time of notification.

Communicator
Date: _____ Time: _____

CONTROL ROOM NOTIFICATION PACKAGE Flowchart (continued)



1. Control Room is uninhabitable and notifications are moved to the TSC, or SENTRY was not able to connect with all the counties and STATE.

2. Check the Backup Radio (BURS) is operational and has EOC on the window display.

3. If the Backup Radio System is operable perform a roll call, by saying "This is the Callaway Plant with important information, stand by for roll call". Wait a few seconds, start with Callaway/Fulton and perform the roll call of all the counties and SEMA. Record the contact times on the chart.

4. Provide the notification using page 5.

5. Have them acknowledge that they understand the information provided to them.

6. FAX the notification information to the TSC and EOF.

7. If BURS is not available use the telephone and contact the location that did not respond to the roll call.

NOTE: If multiple sites do not respond, call one county and have them relay the information to the other counties.

8. Repeat steps 4 thru 6.

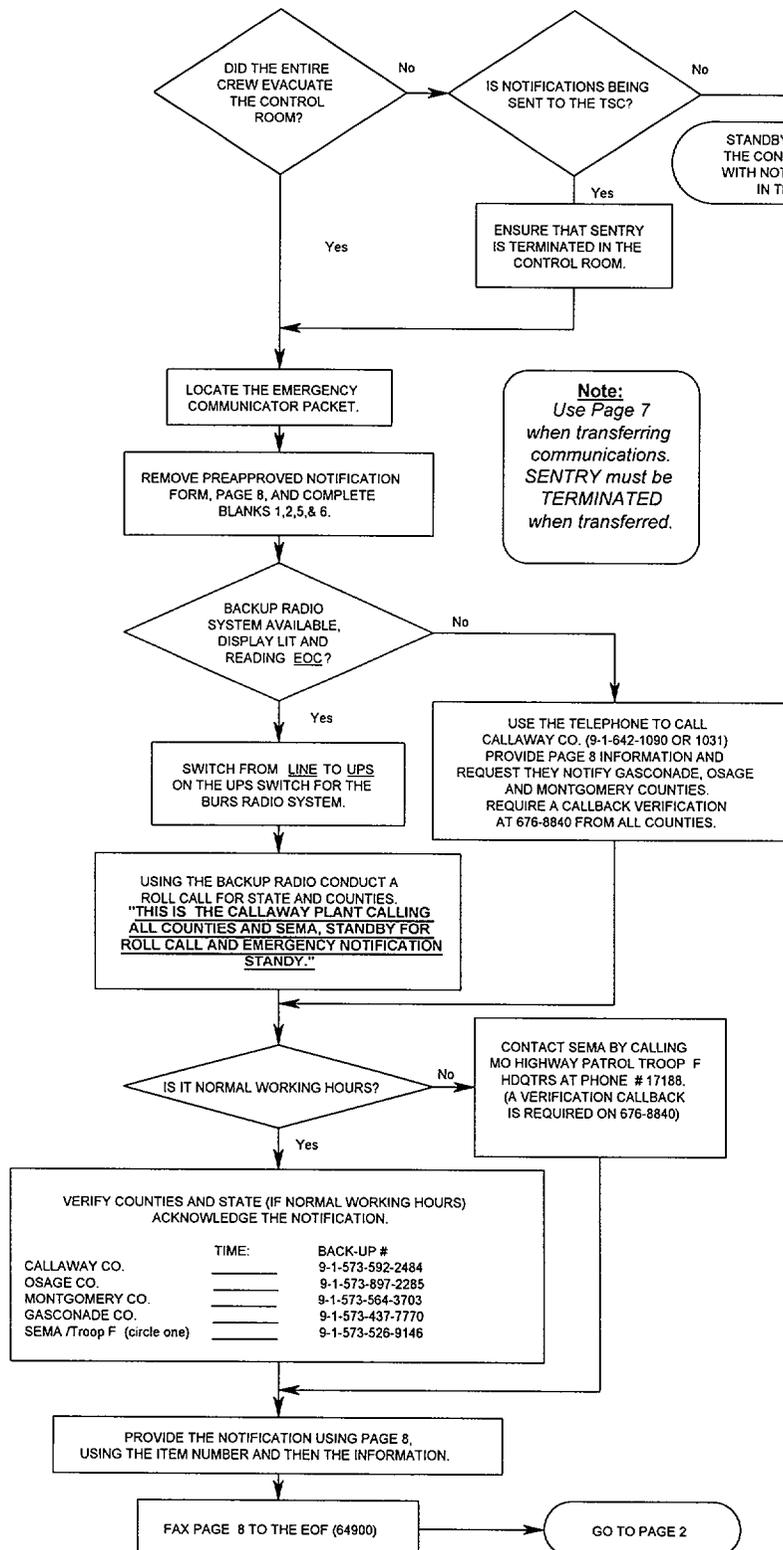
9. If the telephone does not work, use the Security Radio to contact Callaway County.

10. Provide Callaway Co. with the notification information, and instruct them to provide this information to the other counties.

11. Repeat steps 5 and 6.

12. Go to page 2 to continue Notifications.

CONTROL ROOM NOTIFICATION PACKAGE Evacuation Flowchart



1. If SENTRY will no longer be used in the Control Room ensure it is terminated.
2. Locate the Emergency Communicator's packet (identified with yellow and black checkered tape) in the TSC.
3. Remove the preapproved notification form page 8 from the packet and complete blanks 1, 2, 5, and 6.
4. Check the display on the Back Up Radio System (BURS) radio to ensure the display is lit and displaying EOC. If BURS is operational skip step 5 below.
5. If BURS is not operable, use the the telephone to call Callaway Co. (1-573-642-1090 or 1-573-642-1031). Provide the notification from page 5 information. Request a verification call back on 573-642-8840 from each of the counties. Skip steps 6 and 7.
6. Switch the UPS unit from the LINE position to UPS. This is to prevent power supply problems while operating SENTRY.
7. Using BURS conduct a roll call for the State and counties. Begin by saying "This is the Callaway Plant calling all counties and SEMA for roll call and Emergency Notification, standby".
8. If it is off normal working hours SEMA must be contacted by calling the MO State Highway Patrol Troop F Headquarters at phone # 17188. A verification callback is required.
9. Perform a roll call, recording the time, to indicate acknowledgement.
10. Provide the information from page 8. Say the item number before giving the information.
11. Fax a copy of page 8 to the EOF (64900). Continue to page page 2 to complete the notification process.

Note:
Use Page 7 when transferring communications. SENTRY must be TERMINATED when transferred.

VERIFY COUNTIES AND STATE (IF NORMAL WORKING HOURS) ACKNOWLEDGE THE NOTIFICATION.		
	TIME:	BACK-UP #
CALLAWAY CO.	_____	9-1-573-592-2484
OSAGE CO.	_____	9-1-573-897-2285
MONTGOMERY CO.	_____	9-1-573-564-3703
GASCONADE CO.	_____	9-1-573-437-7770
SEMA /Troop F (circle one)	_____	9-1-573-526-9146

CONTROL ROOM NOTIFICATION PACKAGE

Control Room Off-site Notification Form

(FAX copy to TSC 68604 & EOF 64900)

<p>DATA SOURCE</p> <div style="border: 1px solid black; width: 100%; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100%; height: 20px; margin-bottom: 5px;"></div> <p>GENERAL INFORMATION:</p> <p>1) CURRENT TIME: <input style="width: 40px;" type="text"/> : <input style="width: 40px;" type="text"/> 2) DATE: <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/> 3) LOCATION: <input style="width: 100px;" type="text"/></p> <p>4) CLASSIFICATION: <input style="width: 100%; height: 20px;" type="text"/></p> <p>5) DECLARATION TIME: <input style="width: 40px;" type="text"/> : <input style="width: 40px;" type="text"/> 6) DATE: <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/></p> <p>7) EMERGENCY ACTION LEVEL: <input style="width: 100%; height: 20px;" type="text"/></p> <div style="border: 1px solid black; width: 100%; height: 60px; margin-top: 5px;"></div> <p>9) <input style="width: 100%; height: 60px;" type="text"/></p> <p>10) REACTOR STATUS: <input style="width: 100%; height: 20px;" type="text"/></p>	<p>PROTECTIVE ACTIONS: (Site & General Emergencies ONLY)</p> <p>21) PROTECTIVE ACTIONS: <input type="radio"/> YES <input type="radio"/> NO</p> <p>22) BASED ON: <input style="width: 100%; height: 20px;" type="text"/></p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th style="width: 25%;">LOCATION</th> <th style="width: 25%;">SECTORS</th> <th style="width: 25%;">SUBAREAS</th> </tr> <tr> <td>23</td> <td>24</td> <td>25</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>26</td> <td>27</td> <td>28</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> <p>29) Other PAR's: <input style="width: 100%; height: 20px;" type="text"/></p>	LOCATION	SECTORS	SUBAREAS	23	24	25				26	27	28																											
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<p>RELEASE INFORMATION:</p> <p>THERE 11) <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;">IS</td><td style="width: 20px; height: 20px;">▼</td></tr><tr><td style="width: 20px; height: 20px;">WAS</td><td style="width: 20px; height: 20px;">▼</td></tr><tr><td style="width: 20px; height: 20px;">WILL BE</td><td style="width: 20px; height: 20px;">▼</td></tr></table> 12) <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;">NO</td><td style="width: 20px; height: 20px;">▼</td></tr><tr><td style="width: 20px; height: 20px;">AIRBORNE</td><td style="width: 20px; height: 20px;">▼</td></tr><tr><td style="width: 20px; height: 20px;">LIQUID</td><td style="width: 20px; height: 20px;">▼</td></tr></table> RELEASE OF RADIOACTIVE MATERIAL.</p> <p style="text-align: right; margin-right: 50px;">Manual Over-ride</p> <p>13) START TIME OF RELEASE: <input style="width: 40px;" type="text"/> : <input style="width: 40px;" type="text"/></p> <p>14) ESTIMATED DURATION: <input style="width: 40px;" type="text"/> Hrs.</p> <p>15) CURRENT WIND SPEED: <input style="width: 40px;" type="text"/> MPH <input style="width: 20px; height: 20px;" type="checkbox"/></p> <p>16) FROM: <input style="width: 40px;" type="text"/> Degrees 17) TO: <input style="width: 40px;" type="text"/> Degrees <input style="width: 20px; height: 20px;" type="checkbox"/></p> <p>INITIAL PLUME ARRIVAL TIME:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 20px;">18)</td> <td style="width: 40px;">2 MILES</td> <td style="width: 20px;">:</td> <td style="width: 40px;"></td> </tr> <tr> <td>19)</td> <td>5 MILES</td> <td>:</td> <td></td> </tr> <tr> <td>20)</td> <td>10 MILES</td> <td>:</td> <td></td> </tr> </table>	IS	▼	WAS	▼	WILL BE	▼	NO	▼	AIRBORNE	▼	LIQUID	▼	18)	2 MILES	:		19)	5 MILES	:		20)	10 MILES	:		<p>PROJECTED DOSES:</p> <p>30) BASED ON: <input style="width: 100%; height: 20px;" type="text"/></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 25%;">DISTANCE</th> <th style="width: 25%;">TEDE (REM)</th> <th style="width: 25%;">THYROID (REM)</th> </tr> </thead> <tbody> <tr> <td>EAB</td> <td>31</td> <td>32</td> </tr> <tr> <td>2 MILES</td> <td>33</td> <td>34</td> </tr> <tr> <td>5 MILES</td> <td>35</td> <td>36</td> </tr> <tr> <td>10 MILES</td> <td>37</td> <td>38</td> </tr> </tbody> </table> <p>39) NOTE: <div style="border: 1px solid black; padding: 5px; width: 100%; margin-top: 5px;"> This information to be typed in here for liquid releases Liquid release From _____ to _____ Volume _____ Activity _____. </div></p>	DISTANCE	TEDE (REM)	THYROID (REM)	EAB	31	32	2 MILES	33	34	5 MILES	35	36	10 MILES	37	38
IS	▼																																							
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EC APPROVAL: _____ COMMUNICATOR: _____

CONTROL ROOM NOTIFICATION PACKAGE

Callaway Nuclear Plant

Additional Data to be Transmitted to the NRC Operations Center

(FAX 301-816-5151 Confirm receipt using ENS line)

Initial Update

Date: _____ Time: _____

Y	N	ACTUATIONS	INITIATING SIGNAL	DID SYSTEMS FUNCTION AS REQUIRED? <input type="checkbox"/> Y <input type="checkbox"/> N (if NO list failures)
		Rx Trip		Mechanical _____
		ESF Activation		Electrical _____
		ECCS Activation		Personnel Error _____
		SI Flow		Procedure Inadequacy _____
		Other: _____		Other: _____

Mode and power prior to the event _____ Current Mode and power _____
 Mode of operation until corrected _____ Estimated restart Date _____

Y	N	Everything usual or understood?	If NO Explain
		Is the event under control?	

Outside Agencies and/or Personnel notified:			
<input type="checkbox"/> Y <input type="checkbox"/> N State (SEMA)	<input type="checkbox"/> Y <input type="checkbox"/> N Local (Counties)	<input type="checkbox"/> Y <input type="checkbox"/> N NRC Resident Inspector	<input type="checkbox"/> Y <input type="checkbox"/> N Press Release
<input type="checkbox"/> Y <input type="checkbox"/> N INPO and ANI	<input type="checkbox"/> Y <input type="checkbox"/> N Others:		

RELEASE INFORMATION				
<input type="checkbox"/> GASEOUS RELEASE		<input type="checkbox"/> LIQUID RELEASE		
<input type="checkbox"/> Planned	<input type="checkbox"/> Ongoing	<input type="checkbox"/> Monitored	<input type="checkbox"/> Onsite Release	<input type="checkbox"/> Areas Evacuated
<input type="checkbox"/> Unplanned	<input type="checkbox"/> Terminated	<input type="checkbox"/> Unmonitored	<input type="checkbox"/> Offsite Release	_____
<input type="checkbox"/> Personnel Exposed or Contaminated				
	Release Rate (Ci/sec)	Estimated Duration	Estimated Total Activity	
Noble Gas				
Iodine				
Particulate				
Liquid (Excluding Tritium)				
Liquid Tritium				
Total Activity				

RAD MONITORS	Unit Vent	Condenser	Steam Line	SG PORV
Monitor Reading				
Alarm Setpoint				

RCS or STEAM GENERATOR TUBE LEAKAGE			
Location (i.e. SG __ tubes, valve, pipe, etc.)			
Leak Rate: _____ gpd/gpm	Leak Start Date: _____	Time: _____	
This was a <input type="checkbox"/> Sudden or <input type="checkbox"/> Long-Term development.	Activities: Primary _____	Secondary _____	

List any safety equipment not operational: _____

Any additional information: _____

Emergency Coordinator

CONTROL ROOM NOTIFICATION PACKAGE

Transferring Control Room Notifications

NOTE: EC MUST be aware of transfer.

DATE _____

SECTION I

TRANSFERRING TO TSC (ENS Line Only) The assuming and transferring Communicator should discuss the following:

1. The latest information transmitted (Ref. latest Notification printout) including the time sent.
 - Initial notification made for information contained on Sentry display.
 - Additional information Attachment 2 status.
2. Obtain SS/EC approval and Transfer ENS to TSC:
 - As directed by the NRC Operations Center if in current contact.
 - TSC contact NRC and notify them that ENS communications are now in TSC.

Time of Transfer _____ Communicator _____

SECTION II

TRANSFERRING TO EOF (Except ENS) The assuming and transferring Communicator should discuss the following:

1. The latest information transmitted (Ref. latest Notification printout) including the time sent.
2. Individuals/agencies contacted and method of contact.
 - Callaway SENTRY or Other: _____
 - Osage SENTRY or Other: _____
 - Montgomery SENTRY or Other: _____
 - Gasconade SENTRY or Other: _____
 - SEMA SENTRY or Other: _____
 - Resident NRC via _____
 - ANI via _____
 - INPO via _____
 - DNR (if required) via _____
3. Any notification presently not completed: Explain: _____
4. Communicators in CR and EOF should obtain approval of their facility lead (SS/EC & RM) to complete the transfer.
5. Common line/telephones for which responsibility is being transferred (check all applicable):

NOTE: Once notifications on SENTRY are transferred and the TERMINATE BUTTON is selected, do not reinstate SENTRY unless accepting notification responsibility in your facility.

- SENTRY. The transferring facility select TERMINATE on the SENTRY screen when transferring.
- Verification Callback Line (573-676-8840).
- Back-up Radio System.

Time of Transfer _____ Communicator _____

CONTROL ROOM NOTIFICATION PACKAGE

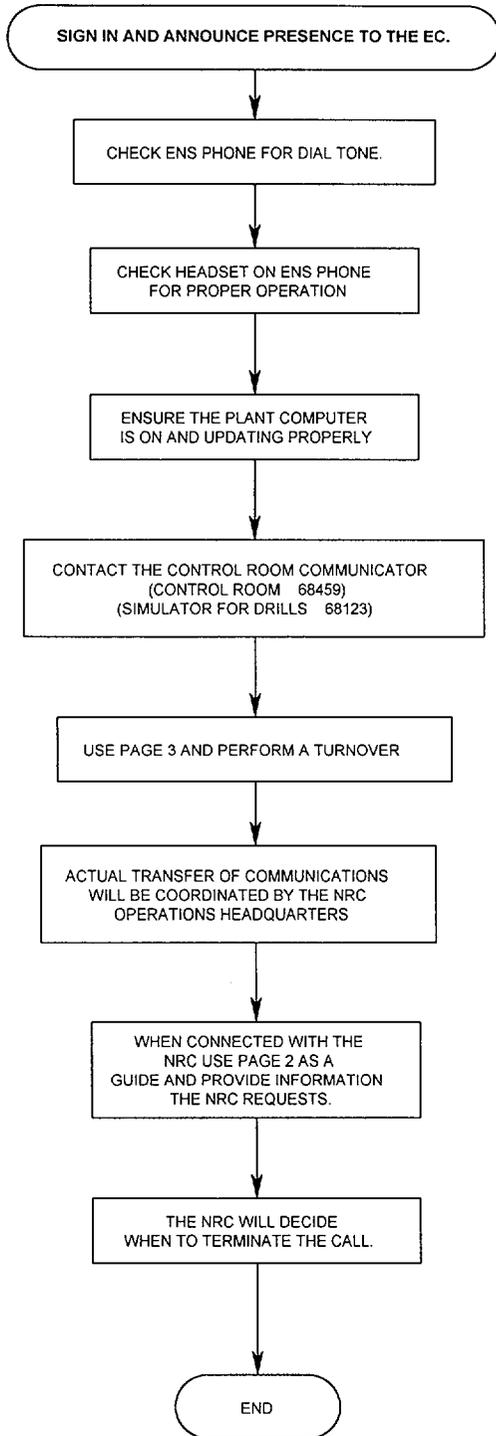
Pre-Approved Notification Form For Control Room Evacuation

(FAX copy to the EOF 64900)

<p>DATA SOURCE</p> <div style="border: 1px solid black; width: 100%; height: 20px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; width: 100%; height: 20px;"></div> <p>GENERAL INFORMATION:</p> <p>1) CURRENT TIME: <input style="width: 40px;" type="text"/> : <input style="width: 40px;" type="text"/> 2) DATE: <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/> 3) LOCATION: <input style="width: 60px;" type="text" value="TSC"/></p> <p>4) CLASSIFICATION: <input style="width: 100px;" type="text" value="ALERT"/></p> <p>5) DECLARATION TIME: <input style="width: 40px;" type="text"/> : <input style="width: 40px;" type="text"/> 6) DATE: <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/></p> <p>7) EMERGENCY ACTION LEVEL: <input style="width: 100px;" type="text" value="3K"/></p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>8) DRILL?</p> <p><input type="radio"/> Drill</p> <p><input checked="" type="radio"/> Actual event</p> </div> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>9) CONTROL ROOM EVACUATION HAS BEEN INITIATED</p> </div> <p>10) REACTOR STATUS: <input style="width: 100px;" type="text" value="REDUCING POWER"/></p> <p>RELEASE INFORMATION:</p> <p>THERE 11) <input style="width: 40px;" type="text" value="IS"/> 12) <input style="width: 40px;" type="text" value="NO"/> Manual Over-ride</p> <p>RELEASE OF RADIOACTIVE MATERIAL</p> <p>13) START TIME OF RELEASE: <input style="width: 40px;" type="text" value="N/A"/> : <input style="width: 40px;" type="text" value="N/A"/></p> <p>14) ESTIMATED DURATION: <input style="width: 40px;" type="text" value="N/A"/> Hrs.</p> <p>15) CURRENT WIND SPEED: <input style="width: 40px;" type="text" value="N/A"/> MPH <input type="checkbox"/></p> <p>16) FROM: <input style="width: 40px;" type="text" value="N/A"/> Degrees 17) TO: <input style="width: 40px;" type="text" value="N/A"/> Degrees <input type="checkbox"/></p> <p>INITIAL PLUME ARRIVAL TIME:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20px;">18)</td> <td style="width: 40px;">2 MILES</td> <td style="width: 40px;">N/A : N/A</td> </tr> <tr> <td>19)</td> <td>5 MILES</td> <td>N/A : N/A</td> </tr> <tr> <td>20)</td> <td>10 MILES</td> <td>N/A : N/A</td> </tr> </table>	18)	2 MILES	N/A : N/A	19)	5 MILES	N/A : N/A	20)	10 MILES	N/A : N/A	<p>PROTECTIVE ACTIONS:</p> <p>21) PROTECTIVE ACTIONS: <input type="radio"/> YES <input checked="" type="radio"/> NO</p> <p>22) BASED ON: <input style="width: 100px;" type="text" value="N/A"/></p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 5px 0;"> <tr> <th style="width: 25%;">LOCATION</th> <th style="width: 25%;">SECTORS</th> <th style="width: 25%;">SUBAREAS</th> </tr> <tr> <td>23 N/A</td> <td>24 N/A</td> <td>25 N/A</td> </tr> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </table> <p>EVACUATE:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 5px 0;"> <tr> <td style="width: 25%;">26 N/A</td> <td style="width: 25%;">27 N/A</td> <td style="width: 25%;">28 N/A</td> </tr> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </table> <p>29) Other PAR's: <input style="width: 100px;" type="text" value="N/A"/></p> <p>PROJECTED DOSES:</p> <p>30) BASED ON: <input style="width: 100px;" type="text" value="N/A"/></p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 5px 0;"> <thead> <tr> <th style="width: 25%;">DISTANCE</th> <th style="width: 25%;">TEDE (REM)</th> <th style="width: 25%;">THYROID (REM)</th> </tr> </thead> <tbody> <tr> <td>EAB</td> <td>31 N/A</td> <td>32 N/A</td> </tr> <tr> <td>2 MILES</td> <td>33 N/A</td> <td>34 N/A</td> </tr> <tr> <td>5 MILES</td> <td>35 N/A</td> <td>36 N/A</td> </tr> <tr> <td>10 MILES</td> <td>37 N/A</td> <td>38 N/A</td> </tr> </tbody> </table> <p>39) NOTE: <div style="border: 1px solid black; width: 100%; height: 60px;"></div></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 20%;">FILE SEND</td> <td style="width: 20%;">OPEN FILE</td> <td style="width: 20%;">PRINT</td> <td style="width: 20%;">STATUS</td> <td style="width: 20%;">TERMINATE</td> </tr> </table>	LOCATION	SECTORS	SUBAREAS	23 N/A	24 N/A	25 N/A	N/A	N/A	N/A	26 N/A	27 N/A	28 N/A	N/A	N/A	N/A	DISTANCE	TEDE (REM)	THYROID (REM)	EAB	31 N/A	32 N/A	2 MILES	33 N/A	34 N/A	5 MILES	35 N/A	36 N/A	10 MILES	37 N/A	38 N/A	FILE SEND	OPEN FILE	PRINT	STATUS	TERMINATE
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FILE SEND	OPEN FILE	PRINT	STATUS	TERMINATE																																									

EC/RM APPROVAL: Preapproved for OTO-ZZ-00001 COMMUNICATOR _____

TSC (ENS) COMMUNICATOR PACKAGE Flowchart



1. Sign into the TSC, on the sign in board and announce to the person in charge the position you will fill.
2. Check phones, headphones, and computers for proper operation.
3. Contact the Control Room communicator to perform turnover of ENS duties.
4. Use page 3 to conduct the turnover.
5. Allow the NRC to coordinate the transfer of ENS communications.
6. Use Page 2 as a guide for information the NRC will request.
7. Termination will not occur until the NRC requests that the connection be terminated.

TSC (ENS) COMMUNICATOR PACKAGE

Callaway Nuclear Plant

Additional Data to be Transmitted to the NRC Operations Center

(FAX 301-816-5151 Confirm receipt using ENS line)

Initial Update

Date: _____ Time: _____

Y	N	ACTUATIONS	INITIATING SIGNAL	DID SYSTEMS FUNCTION AS REQUIRED? <input type="checkbox"/> Y <input type="checkbox"/> N (if NO list failures)
		Rx Trip		Mechanical _____
		ESF Activation		Electrical _____
		ECCS Activation		Personnel Error _____
		SI Flow		Procedure Inadequacy _____
		Other: _____		Other: _____

Mode and power prior to the event _____ Current Mode and power _____

Mode of operation until corrected _____ Estimated restart Date _____

Y	N	Everything usual or understood?	If NO Explain
		Is the event under control?	

Outside Agencies and/or Personnel notified:

<input type="checkbox"/> Y <input type="checkbox"/> N State (SEMA)	<input type="checkbox"/> Y <input type="checkbox"/> N Local (Counties)
<input type="checkbox"/> Y <input type="checkbox"/> N NRC Resident Inspector	<input type="checkbox"/> Y <input type="checkbox"/> N Press Release
<input type="checkbox"/> Y <input type="checkbox"/> N INPO and ANI	<input type="checkbox"/> Y <input type="checkbox"/> N Others: _____

RELEASE INFORMATION

<input type="checkbox"/> GASEOUS RELEASE		<input type="checkbox"/> LIQUID RELEASE	
<input type="checkbox"/> Planned	<input type="checkbox"/> Ongoing	<input type="checkbox"/> Monitored	<input type="checkbox"/> Onsite Release
<input type="checkbox"/> Unplanned	<input type="checkbox"/> Terminated	<input type="checkbox"/> Unmonitored	<input type="checkbox"/> Offsite Release
<input type="checkbox"/> Areas Evacuated _____			
<input type="checkbox"/> Personnel Exposed or Contaminated			
	Release Rate (Ci/sec)	Estimated Duration	Estimated Total Activity
Noble Gas			
Iodine			
Particulate			
Liquid (Excluding Tritium)			
Liquid Tritium			
Total Activity			

RAD MONITORS	Unit Vent	Condenser	Steam Line	SG PORV
Monitor Reading				
Alarm Setpoint				

RCS or STEAM GENERATOR TUBE LEAKAGE

Location (i.e. SG __ tubes, valve, pipe, etc.)			
Leak Rate: _____ gpd/gpm	Leak Start Date: _____	Time: _____	
This was a <input type="checkbox"/> Sudden or <input type="checkbox"/> Long-Term development.	Activities: Primary _____	Secondary _____	

List any safety equipment not operational: _____

Any additional information: _____

Emergency Coordinator

TSC (ENS) COMMUNICATOR PACKAGE
Assuming ENS Notifications

NOTE: EC MUST be aware of transfer.

DATE _____

ASSUMING ENS NOTIFICATIONS

The assuming and transferring Communicator should discuss the following:

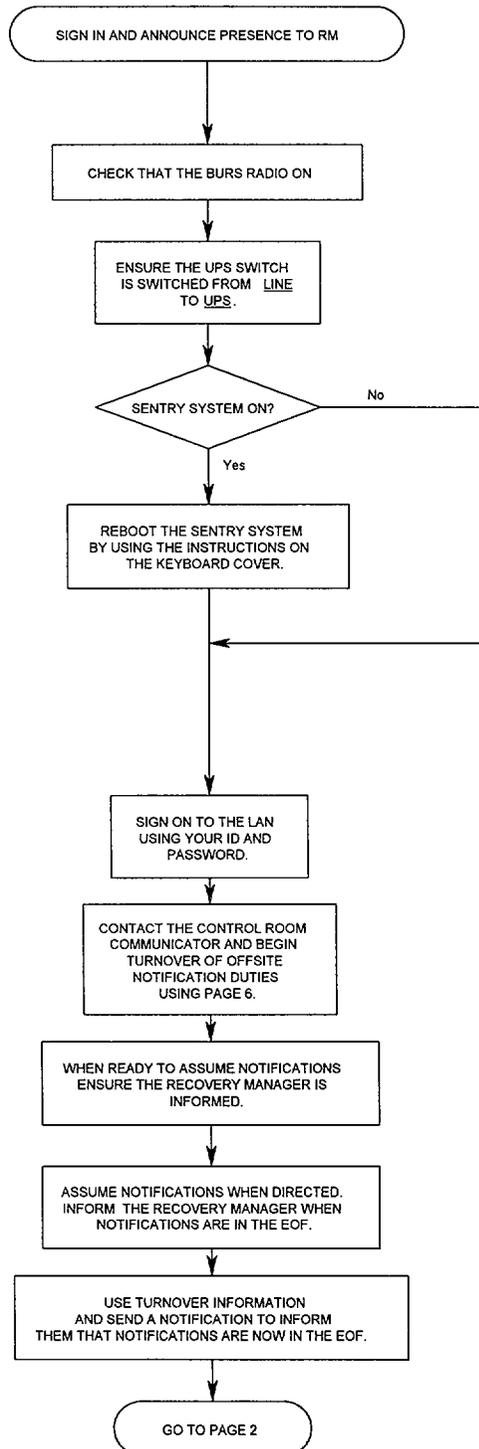
1. The latest information transmitted (Ref. latest Notification printout) including the time sent.
 - Initial notification made for information contained on Sentry display.
 - Additional information Attachment 2 status.
2. Obtain EC approval and Transfer ENS to TSC:
 - As directed by the NRC Operations Center if in current contact.
 - TSC contact NRC and notify them that ENS communications are now in TSC.

Time of Transfer _____ Communicator _____

EOF NOTIFICATION PACKAGE

Flowchart

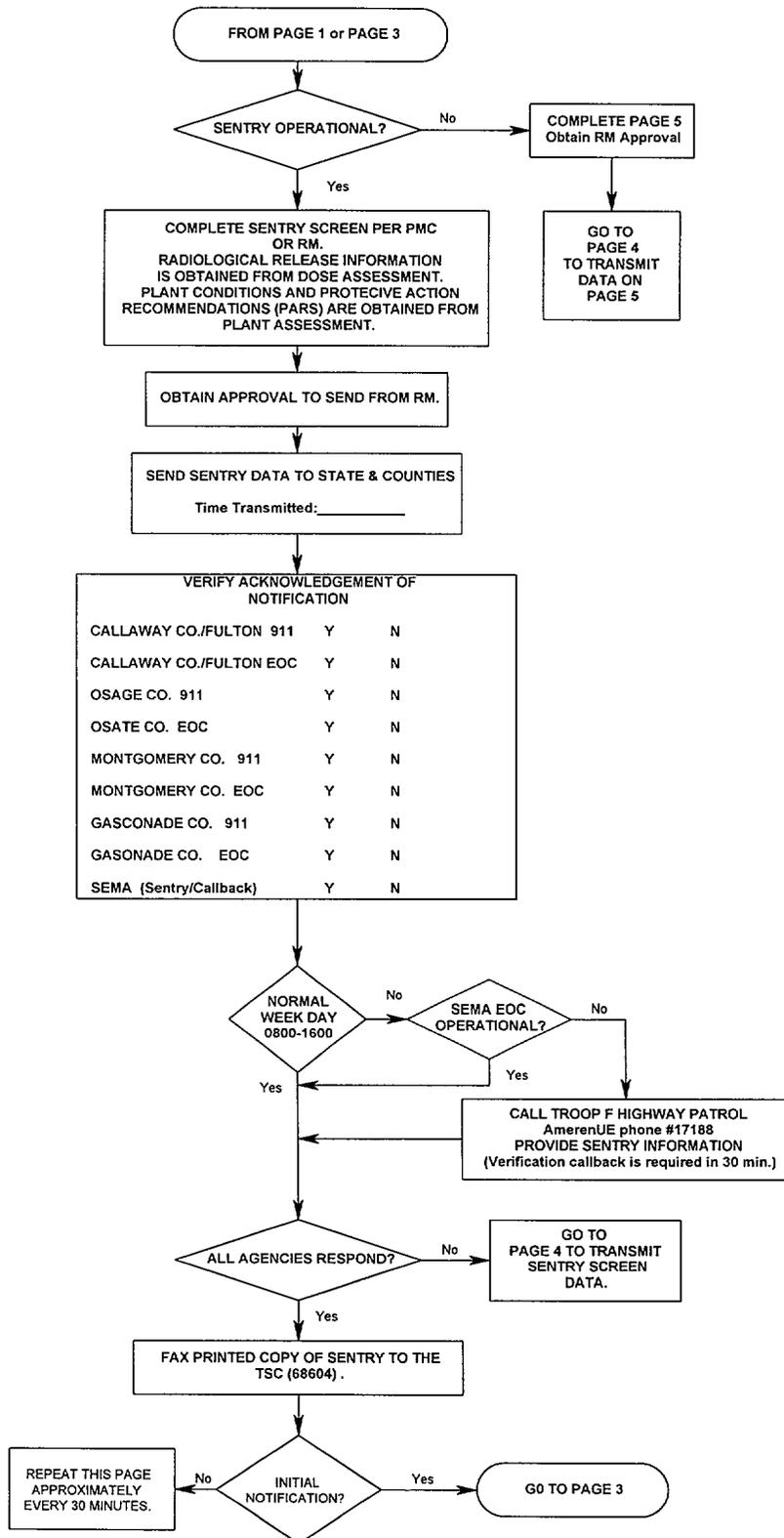
ACTIONS ON THIS PAGE ARE INITIAL STEPS AND SHOULD ONLY NEED TO BE COMPLETED ONCE.



NOTE: THIS PAGE IS INITIAL STEPS TO GET EQUIPMENT CHECKED OUT AND READY, AND TO GET A TURNOVER FROM THE CONTROL ROOM COMMUNICATOR.

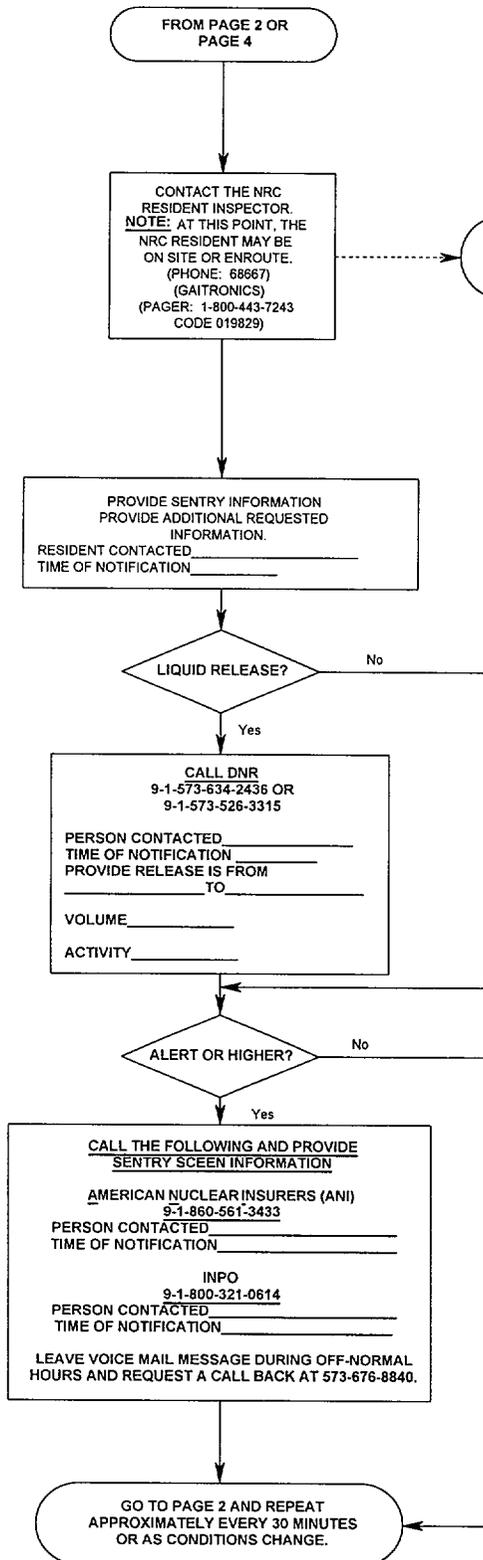
1. Upon entering the EOF, sign in on the board and announce your presence to the Recovery Manager (RM).
2. Check power is supplied to the Backup Radio System (BURS). Check for a lighted display and **EOC** in the display window.
3. Make sure the switches for the UPS Units are switched from **LINE TO UPS**.
4. Turn the SENTRY computer **ON** or reboot per the instructions on the keyboard cover.
5. Log on to the LAN using your ID and password.
6. If the SENTRY program does not automatically load then, press the **WINDOWS** key and select **PROGRAMS** and double click **SENTRY**.
7. Using the telephone speed dial, contact the Control Room Communicator and begin gathering turnover information for offsite notification duties using Page 6.
8. When ready to assume notifications, inform the Recovery Manager. Assume notifications when directed by the Recovery Manager.
9. Inform the Recovery Manager when Notifications are in the EOF.
10. Using the turnover information from the Control Room, send a SENTRY notification informing offsite that the notifications are now in the EOF. Obtain the RM's approval. This will determine if SENTRY is operational to all locations.
11. Go to page 2.

EOF NOTIFICATION PACKAGE Flowchart (continued)



12. If the SENTRY system is successful to all locations then continue to use it for future notifications. (Skip step 14.)
13. If SENTRY is not successful to all locations, complete page 5 and go to page 4 to notify remaining sites.
14. When SENTRY screen is being completed, use the Protective Measures Coordinator as a resource for Dose Assessment, Plant Assessment information, and Protective Action Recommendations (PARs).
15. Always obtain the RM's approval prior to sending a notification.
16. Record the time the SENTRY information was transmitted.
17. If this is a normal week day between the the hours of 0800-1600 then skip step 18.
18. If it is the weekend, holiday, or outside the normal working hours of 0800-1600, then SEMA will most likely not be staffed. If SEMA is not manned, then contact the State Highway Patrol Troop F Headquarters (#17188), and provide the notification, so it can be relayed to SEMA. Verification callback is required within 30 min. from Troop F.
19. Verify and document the sites that acknowledged receipt of the notification.
20. If all agencies acknowledged the notification, skip step 22.
21. If all agencies did not acknowledge the notification, then go to page 4 and transmitt the SENTRY screen data.
22. Fax printed copy of SENTRY to the TSC (68604).
23. If this is an initial notification, continue to page 3.
24. If this is a follow up notification, repeat this page every 30 minutes.

EOF NOTIFICATION PACKAGE Flowchart (continued)



25. Contact the NRC Resident Inspector by phone (68667, gaitronics, or page using 1-800-443-7243 code 019829, and enter 573-676-8840).

NOTE: The NRC Resident Inspector may be on site or enroute. This can be determined through the Control Room Communicator.

26. Provide the Resident Inspector with the SENTRY Notification Information. Record name and time of notification.

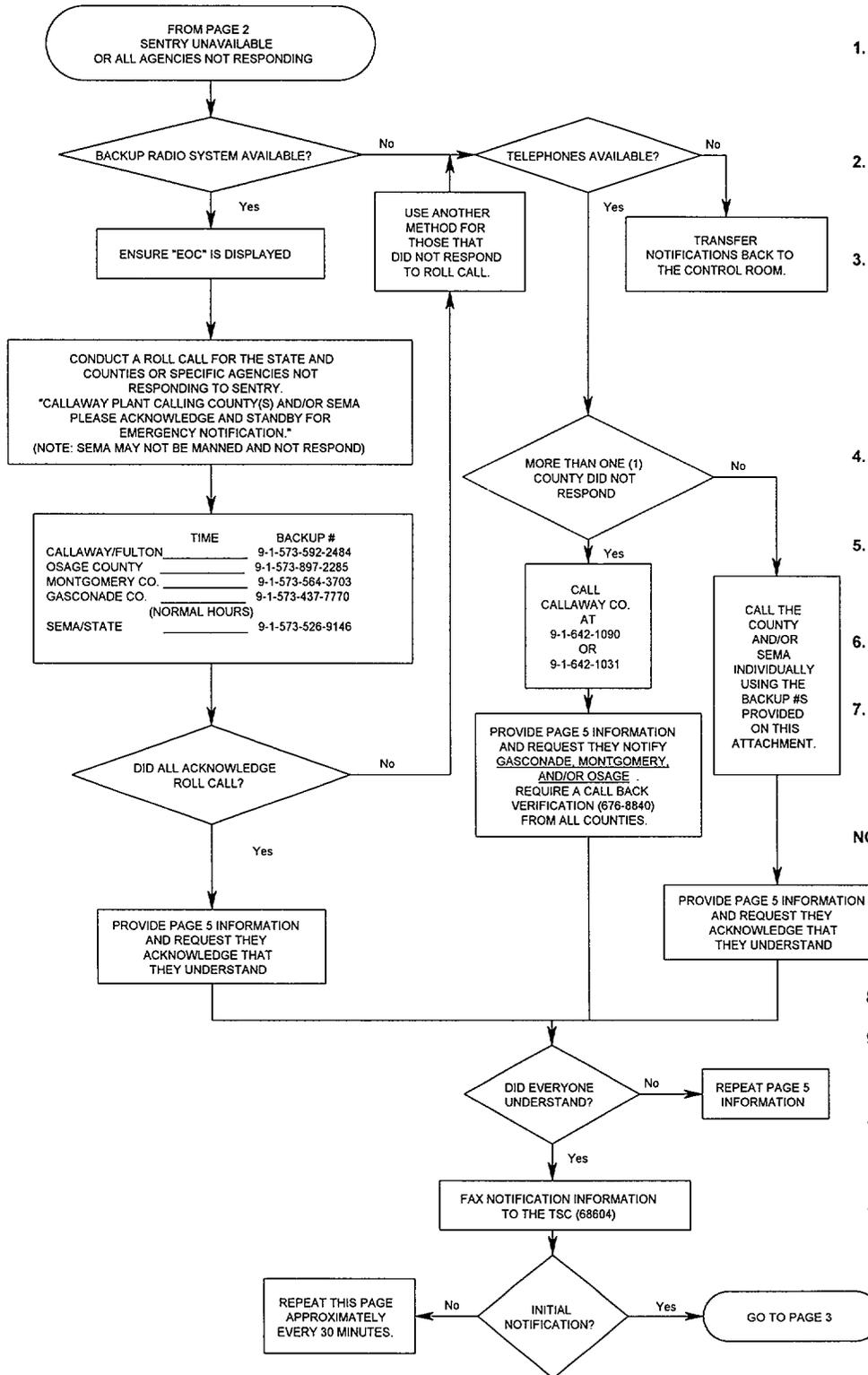
27. If the release is a liquid release, call the Department of Natural Resources and report the origin and destination of the release, if known, as well as the volume and activity.

28. If the classification is an ALERT or higher, then the American Nuclear Insurers (ANI) and Institute of Nuclear Power Operators (INPO) must be notified.

Communicator _____

Date: _____ Time: _____

EOF NOTIFICATION PACKAGE Flowchart (continued)



1. SENTRY was unable to connect with all the counties and the STATE.

2. Check the Backup Radio (BURS) is operational and has "EOC" on the window display.

3. If the Backup Radio is operable perform a roll call by saying, "This is the Callaway Plant with important information, standby for roll call". Wait a few seconds and start with Callaway/Fulton and perform the roll call of the counties and SEMA.

4. Provide the notification information using page 5.

5. Have them acknowledge that they understand the information provided to them.

6. Fax the notification information to the TSC.

7. If BURS is not available, use the telephone and contact the locations that did not respond to the roll call.

NOTE: IF multiple sites do not respond, call one county (prefer Callaway) and have them relay the information to the other counties.

8. Repeat steps 4 thru 6.

9. If the telephones do not work, transfer notifications back to the Control Room.

10. If this is an Initial Notification, go to page 3 to complete notifications.

11. If this is an followup Notification, repeat this page approximately every 30 minutes.

EOF NOTIFICATION PACKAGE

EOF Off-site Notification Form

(FAX copy to TSC 68604)

<p>DATA SOURCE</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <input style="width: 100%;" type="text"/> </div> <div style="border: 1px solid black; padding: 2px;"> <input style="width: 100%;" type="text"/> </div> <p>GENERAL INFORMATION:</p> <p>1) CURRENT TIME: <input style="width: 40px;" type="text"/> : <input style="width: 40px;" type="text"/> 2) DATE: <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/> 3) LOCATION: <input style="width: 100px;" type="text"/></p> <p>4) CLASSIFICATION: <input style="width: 100px;" type="text"/></p> <p>5) DECLARATION TIME: <input style="width: 40px;" type="text"/> : <input style="width: 40px;" type="text"/> 6) DATE: <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/></p> <p>7) EMERGENCY ACTION LEVEL: <input style="width: 100px;" type="text"/></p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>8) DRILL?</p> <p><input type="radio"/> Drill</p> <p><input type="radio"/> Actual event</p> </div> <div style="border: 1px solid black; height: 60px; margin-top: 5px;"> <p>9)</p> </div> <p>10) REACTOR STATUS: <input style="width: 100px;" type="text"/></p>	<p>PROTECTIVE ACTIONS: (Site & General Emergencies ONLY)</p> <p>21) PROTECTIVE ACTIONS: <input type="radio"/> YES <input type="radio"/> NO</p> <p>22) BASED ON: <input style="width: 100px;" type="text"/></p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th style="width: 25%;">LOCATION</th> <th style="width: 25%;">SECTORS</th> <th style="width: 25%;">SUBAREAS</th> </tr> <tr> <td>23</td> <td>24</td> <td>25</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> <p>EVACUATE:</p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td>26</td> <td>27</td> <td>28</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> <p>29) Other PAR's: <input style="width: 100px;" type="text"/></p>	LOCATION	SECTORS	SUBAREAS	23	24	25				26	27	28																											
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23	24	25																																						
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<p>RELEASE INFORMATION:</p> <p>THERE 11) <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px;">IS</td><td style="width: 20px;">▼</td></tr><tr><td>WAS</td><td>▼</td></tr><tr><td>WILL BE</td><td>▼</td></tr></table> 12) <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px;">NO</td><td style="width: 20px;">▼</td></tr><tr><td>AIRBORNE</td><td>▼</td></tr><tr><td>LIQUID</td><td>▼</td></tr></table> RELEASE OF RADIOACTIVE MATERIAL.</p> <p style="text-align: right; margin-right: 50px;">Manual Over-ride</p> <p>13) START TIME OF RELEASE: <input style="width: 60px;" type="text"/> :</p> <p>14) ESTIMATED DURATION: <input style="width: 60px;" type="text"/> Hrs.</p> <p>15) CURRENT WIND SPEED: <input style="width: 60px;" type="text"/> MPH <input style="width: 20px;" type="checkbox"/></p> <p>16) FROM: <input style="width: 40px;" type="text"/> Degrees 17) TO: <input style="width: 40px;" type="text"/> Degrees <input style="width: 20px;" type="checkbox"/></p> <p>INITIAL PLUME ARRIVAL TIME:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 20px;">18)</td> <td style="width: 40px;">2 MILES</td> <td style="width: 20px;">:</td> <td style="width: 20px;"> </td> </tr> <tr> <td>19)</td> <td>5 MILES</td> <td>:</td> <td> </td> </tr> <tr> <td>20)</td> <td>10 MILES</td> <td>:</td> <td> </td> </tr> </table>	IS	▼	WAS	▼	WILL BE	▼	NO	▼	AIRBORNE	▼	LIQUID	▼	18)	2 MILES	:		19)	5 MILES	:		20)	10 MILES	:		<p>PROJECTED DOSES:</p> <p>30) BASED ON: <input style="width: 100px;" type="text"/></p> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 25%;">DISTANCE</th> <th style="width: 25%;">TEDE (REM)</th> <th style="width: 25%;">THYROID (REM)</th> </tr> </thead> <tbody> <tr> <td>EAB</td> <td>31</td> <td>32</td> </tr> <tr> <td>2 MILES</td> <td>33</td> <td>34</td> </tr> <tr> <td>5 MILES</td> <td>35</td> <td>36</td> </tr> <tr> <td>10 MILES</td> <td>37</td> <td>38</td> </tr> </tbody> </table> <p>39) NOTE: <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> This information to be typed in here for liquid releases Liquid release From _____ to _____ Volume _____ Activity _____. </div></p>	DISTANCE	TEDE (REM)	THYROID (REM)	EAB	31	32	2 MILES	33	34	5 MILES	35	36	10 MILES	37	38
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EC/RM APPROVAL: _____ COMMUNICATOR: _____

EOF NOTIFICATION PACKAGE Assuming EOF Notifications

NOTE: Notifications should not be assumed without Dose Assessment and the RM's permission.

ASSUMING TO EOF NOTIFICATIONS

The assuming and transferring Communicator should discuss the following:

1. The latest information transmitted (Ref. latest Notification printout) including the time sent.
2. Individuals/agencies contacted and method of contact.

- Callaway SENTRY or Other: _____
- Osage SENTRY or Other: _____
- Montgomery SENTRY or Other: _____
- Gasconade SENTRY or Other: _____
- SEMA SENTRY or Other: _____
- Resident NRC via _____
- ANI via _____
- INPO via _____
- DNR (if required) via _____

3. Any notification presently not completed: Explain: _____
4. Communicators in CR and EOF should obtain approval of their facility lead (SS/EC & RM) to complete the transfer.
5. Responsibilities being transferred (check all applicable):

NOTE: Once notifications on SENTRY are transferred and the TERMINATE BUTTON is selected, do not reinstate SENTRY unless accepting notification responsibility in your facility.

- SENTRY. The transferring facility select TERMINATE on the SENTRY screen when transferring.
 - Verification Callback Line (573-676-8840).
 - Back-up Radio System.
6. **An initial follow-up notification should be prepared, approved, and sent to ensure proper system operation by the ASSUMING facility.** Follow-up notifications should be sent every 30 minutes.

Time of Transfer _____ Communicator _____