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CALLAWAY PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EIP-ZZ-00102

EMERGENCY IMPLEMENTING ACTIONS

RESPONSIBLE DE	PARTMENT <u>I</u>	EMERGENCY PREPA	AREDNESS
PROCEDURE OWN	JER <u>W. R. Bev</u>	ard	
WRITTEN BY	W. R. Bevard		
PREPARED BY	W. R. Bevard	<u></u>	
APPROVED BY	_ If hand	5	
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DATE ISSUED	6-8-01	— AO	COUNTABLE HOLDER
This procedure conta	ains the following	:	
Pages	1	through	7
Attachments	1	through	5
Tables	 	through	
Figures		through	
Appendices		through	-
Checkoff Lists		through	
This procedure has	che	eckoff list(s) maintained	in the mainframe computer
Conversion of comm	nitments to TRS r	eference/hidden text cor	mpleted by <u>Revision Number</u>
Non-T/S Commitme	ents 01	9	

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EMERGENCY IMPLEMENTING ACTIONS

PURPOSE AND SCOPE 1 This procedure provides guidance to the Emergency Coordinator for implementing 1.1 emergency actions when an emergency has been classified or reclassified per EIP-ZZ-00101. Classification of Emergencies. (COMN 3312) 2 **DEFINITIONS** RELEASE- Any unplanned, quantifiable discharge to the environment of 2.1 radioactive effluent attributable to a declared emergency event. UNPLANNED- The release is related to an event that was not planned or 2.2 scheduled. 2.3 Quantifiable- An indication of elevated radioactivity above normal levels, either by installed or portable instruments, Environment- A pathway for radioactive material to reach the environment. 2.4 3 RESPONSIBILITIES 3.1 EMERGENCY COORDINATOR Responsible for implementing this procedure and directing emergency response as 3.1.1 follows: (COMN 42570) The responsibilities that the Emergency Coordinator may NOTE: delegate are indicated with an asterisk (*). 3.1.1.1 Classifying and declaring emergencies. Authorizing personnel exposure in excess of 10CFR20 limits. 3.1.1.2 Assumes decision-making responsibilities for implementing strategies identified in 3.1.1.3 the Severe Accident Management Guidelines. *Directing operations of emergency response organizations. 3.1.1.4 3.1.1.5 *Requesting the formation of emergency teams.

*Initiating the implementation of on-site protective actions.

3.1.1.6

- *Ensuring that on-site and off-site emergency response organizations are kept up to date on emergency conditions.
- *Ensuring that site-wide announcements are made on the plant Public Address (PA) system.
- 3.2 SHIFT SUPERVISOR
- 3.2.1 Until relieved, the Shift Supervisor acts as the Emergency Coordinator. (COMN 3314)

4 PROCEDURE

NOTE:	Monitor Emergency Action Levels (EALs) throughout this procedure.
NOTE:	The flowchart Attachment 5 may be use to assist in the performance of this procedure.

- 4.1 Notify Facility Personnel:
- 4.1.1 Announce the Emergency Classification and the time of declaration.
- 4.1.2 Announce the Cause.
- 4.2 **Manually Initiate ERFIS** from Main Control Board and Do Not "Reset" until instructed by Tech Assessment Staff.
- 4.3 **Notify On-Site Personnel:**

CAUTION:	If <u>CODE RED</u> or <u>CODE BLACK</u> is in progress, on-site
	emergency announcements should be held to a minimum and
	prohibit movement of personnel until CODE condition is
	secured.

4.3.1 Prepare Attachment 1. If an Alert or higher is being declared, the Emergency Response Organization SHALL be activated. (COMN 42535) (COMN 3391)

NOTE:	The Emergency Response Organization may be activated prior
	to an ALERT as necessary to provide additional support.

4.3.2 Sound the Plant Emergency Alarm from the Control Room.

4.3.3 Perform Attachment 1, making the emergency announcement applicable to the Emergency Classification. Include if there is a localized emergency (e.g., fire, flood), announcing the type and location, and instruct personnel to stand clear of the affected area.

NOTE:

Pager activation does not need to be done if the pagers have been activated already at a lower classification level.

4.4 At an ALERT or higher classification have the SAS operator activate the Emergency Paging System per KOA-ZZ-00200 for rapid responders using MESSAGE #1.

NOTE:

The Shift Supervisor has a Satellite Cellular Phone to be used as a last resort backup to the telephone and radio systems. If installed systems and backups fail the Satellite Cellular Phone may be used for offsite communications.

- 4.5 Notify Off-Site Agencies and CALLOUT the Emergency Organization:
- 4.5.1 Incorporate protective action recommendations in accordance with **EIP-ZZ-00212**, Protective Action Recommendations.

CAUTION:

As a minimum, the immediate protective action recommendation for a <u>GENERAL EMERGENCY</u>, is evacuation within a 2 mile radius and 5 miles downwind of the plant in affected sectors. (COMN 3954)

4.5.2 Complete Attachment 4 and give to the communicator or complete SENTRY screen.

NOTE:

If the condition or cause of the classification has already been corrected the form should be completed as prescribed for the emergency. A statement should then made in the Notes section, lower right hand side, "The condition that caused the (emergency classification) has been corrected and Event closeout has been declared. Also ensure NRC operations is notified within 1 hour. CARS 199700852 {

NOTE:

After the initial reporting, if the NRC Operations Center is activated, the NRC will request additional information. The personnel communicating with NRC should be knowledgeable with the facility's operation and with the event to provide and update information about the evolving incident. The level of communication will depend on the development and the significance of the event.

4.5.3 Implement **EIP-ZZ-00201**, Notifications. Initial notifications to State and Local Authorities SHALL be initiated within <u>15 minutes</u> after declaration of an emergency. (**COMN 3946**)

NOTE:

Notifications should be initiated within 15 minutes if conditions change and approximately every 30 minutes if conditions are stable. When at an Unusual Event and conditions are stable the notification frequency may be extended with the concurrence of SEMA and the EPZ Counties.

- Ensure Attachment 2, Operations Personnel Emergency Actions, is taken to the Field Office for use by the Field Supervisor or first available individual. Extra Operations personnel report to the Field Office at the first Emergency Announcement.
- 4.7 Notify the Emergency Duty Officer and discuss the following: (COMN 3946)
- 4.7.1 Emergency Classification.
- 4.7.2 Plant status and actions taken.
- 4.7.3 Callout of response organizations.
- 4.7.4 Notification of off-site agencies.
- 4.8 Notify the Recovery Manager of an Unusual Event. (COMN 3946)

NOTE	٠
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Notification of the Recovery Manager is not required at an Alert or higher as this is accomplished using EIP-ZZ-00200 and KOA-ZZ-00200.

4.9	If a Release is in progress or projected ensure dose assessment and EIP-ZZ-00212 is initiated.
4.9.1	DISCUSS the need to dispatch the Rapid Plume Assessment Tech (RPAT) with the On Shift Dose Assessment Tech.
ı	NOTE: Release defined as: "Any unplanned, quantifiable discharge to the environment of radioactive effluent attributable to a declared emergency event."
4.9.2	If Abnormal In-plant radiological conditions exist, set up a ratemeter at the door of the Control Room per Attachment 3.
4.10	Implement EIP-ZZ-00217, Emergency Response Data System Activation (ERDS) as soon as possible but in all cases within one hour. The Shift Supervisor may delegate this to Tech Assessment in the TSC.
4.11	Evaluate Assembly/Evacuation per EIP-ZZ-00230, Accountability. (COMN 3983) (COMN 3986)
	NOTE: Accountability SHALL occur within 30 minutes of an Assembly/Evacuation announcement. (COMN 42531)
4.12	Form and/or Dispatch Emergency Teams as necessary using EIP-ZZ-00220, Emergency Team Formation:
4.13	Contact Chemistry and initiate Post-Accident Sampling as required.
4.14	Implement the Severe Accident Management Guidelines as required.
4.14.1	The control room should implement SACRG-1, Severe Accident Control Room Guideline Initial Response.
4.14.2	The control room should implement SACRG-2 , Severe Accident Control Room Guideline for Transients after the TSC is Functional.
4.15	If non-Ameren support is needed, direct the Admin Coordinator to implement the Additional Assistance section of their checklist.
4.16	Event Reclassification/Plant Recovery/Event Closeout
4.16.1	If emergency has been reclassified return to Step 3.1 and perform the applicable steps.

4.16.2 Evaluate **EIP-ZZ-00260**, Event Closeout/Plant Recovery, to determine if plant recovery or closeout conditions have been met.

<u>NOTE:</u> The NRC should be notified of the intent to declare recovery.

4.17 Return to Step 3.11 and continue assessment if emergency has <u>not</u> been reclassified or event closeout/plant recovery has <u>not</u> been declared.

5 REFERENCES

- 5.1 Callaway Plant Radiological Emergency Response Plan (RERP).
- 5.2 EIP-ZZ-00200, Augmentation of the Emergency Organization
- 5.3 **EIP-ZZ-00201**, Notifications
- 5.4 **EIP-ZZ-00211,** Field Monitoring
- 5.5 APA-ZZ-00743, Fire Team Organization and Duties
- 5.6 **EIP-ZZ-00212**, Protective Action Recommendations
- 5.7 **EIP-ZZ-00217**, Emergency Response Data System Activation
- 5.8 EIP-ZZ-00230, Accountability
- 5.9 **EIP-ZZ-00260**, Event Closeout/Plant Recovery
- 5.10 NRC Correspondence 11/27/2000, Recording Emergency Notification System Telephone Conversations

6 <u>RECORDS</u>

NOTE: All facility logs, SENTRY or MAGNEM screen prints, office memos, notes, etc., should be attached to the Coordinator checklist and turned in to the Admin Coordinator and/or Emergency Preparedness (EP).

EIP-ZZ-00102 Rev. 027

<i>NOTE</i> :	Recordings of Emergency Notification System (ENS) and Health Physics Network (HPN) lines are available from the NRC recording system following the termination of an emergency event.
i	

6.1 QA Records

6.1.1 Attachment 1, Emergency Announcement (File K171.0010)

Emergency Announcement

VOTE: If <u>CODE RED</u> or <u>CODE BLACK</u> is in progress, on-site emergency announcements should be held to a minimum and prohibit movement of personnel until CODE condition is secured.				
	SOUND THE PLANT E	MERGENCY ALARM		
ATTENTION	ALL PERSONNEL!	ATTENTION ALL PERSONNEL!		
A(N) ALI	USUAL EVENT ERT E EMERGENCY NERAL EMERGENCY	HAS BEEN DECLARED AT:(time)		
	THE CAUSE OF TH	E EMERGENCY IS		
Emergency Organization	Activation			
☐ Unusual Event		E ON-SHIFT EMERGENCY ORGANIZATION ATIONS.		
☐ Alert or Higher	ALL MEMBERS OF TH REPORT TO YOUR STA	E EMERGENCY RESPONSE ORGANIZATION ATIONS.		
Actions For Non-Essentia	1 Personnel			
☐ Unusual Event/Alert	ALL NON-ESSENTIAL	PERSONNEL CONTINUE WITH YOUR LESS FURTHER INSTRUCTIONS ARE GIVEN.		
Consider weather and radiological conditions PRIOR to making	YOUR THE O PERSO KEYS OF YO	ON-ESSENTIAL PERSONNEL REPORT TO REPORT THE REPORT TO REPORT THE REPORT TO REPORT TO REPORT THE REPORT OF TH		
announcement.)	☐ Off-normal ALL Mours THE T	NON-ESSENTIAL PERSONNEL PROCEED TO CSC AND AWAIT FURTHER INSTRUCTIONS. DUNTABILITY WILL BE PERFORMED.		
Special instructions, (i.e.	special routes during releas	es. seek cover during storms)		
DEDCONNIEL CALITION	I (If manying d)			
PERSONNEL CAUTION Potential Airborne Co				
- Fotential Altoonie Co	THERE W	ILL BE NO EATING, DRINKING, SMOKING, YNG UNTIL FURTHER NOTICE.		
	(REPEAT ALL AN	NOUNCEMENTS)		
		EC/RM APPROVAL		

OPERATIONS PERSONNEL EMERGENCY ACTIONS

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Pre-designated Personnel inside the Protected Area report to the Control Room/Field Office upon a Reactor Trip or at the first Emergency Announcement. All are Essential Personnel unless specifically released by the Shift Supervisor. Once released they do not report to the Field Office if accountability is declared, they respond as all other Non-Essential Personnel.

1 THE FIELD SUPERVISOR, OR DESIGNEE, PERFORMS THE FOLLOWING:

- Prepare a list of personnel reporting to the Field Office along with their badge numbers. (Note: A Security officer is generally assigned to pick up a copy of the list for accountability). Include on-watch Equipment Operators, (EO's). Have all personnel card into the Field Office Conference Room card reader (The card reader is used for accountability only).
- 1.1.1 The Polisher and Primary EO's should report to the Control Room as Communicators. They should return to the Field Office when relieved by I&C Technicians.
- 1.1.2 Rad Chem Technician(s) report to the Control Room/Field Office to assist in personnel monitoring, team briefing and rapid dose assessment. Emergency Team Briefing Form in **EIP-ZZ-00220** may be used as a guide.

NOTE:

When personnel leave the Field Office on assignment they should sign out, card out and be tracked to maintain accountability.

- Designate the Fire Brigade members using personnel not on watch if available. Refer to APA-ZZ-00743, Fire Team Organization and Duties.
- 1.3 All Field Office personnel should go to HP Access, obtain an Electronic Dosimeter (ED) and sign in on RWP 911. If released as Non-Essential Personnel, individuals should sign off of RWP 911 and return their ED prior to leaving the site. This is to ensure all personnel dispatched from the Control Room or Field Office have their dose tracked.

CAUTION:

Remain aware of plant radiological conditions and do not dispatch operators into areas where conditions may be changing without Health Physics support and briefings.

- 1.4 If radiological conditions are a potential hazard, set up a ratemeter at the door and allow entrance only through that door. Refer to Attachment 3.
- 1.5 If the Field Office is required to be evacuated, all personnel then report to the Control Room or TSC as needed.
- 1.6 Assign Operators to the TSC for emergency team support as required and available.

EIP-ZZ-00102 Rev 027

Rev. 027 SET-UP AND OPERATION OF THE MODEL 177 RATEMETER

1.	Remove Model 177 ratemeter, frisker probe, detector cable, power cord, and source from the E-Kit cabinet located behind the control boards. There are trinstruments, one for the door to the field office, one for the door to the Control	wo
2.	Connect detector and power cords, if not already connected, to the Model 17 ratemeter and verify the following switch settings:	77
	Front Panel: On/Off switch in "ON" position. Volume adjusted to hear audible counts. Response switch in "slow" position. Rear Panel: Subtract switch in "Off" position (if meter has Subtract switch)	ct Switch.)
3.	Prior to the first use of the day, perform response check as follows:	
4.	 Ensure instrument has a current calibration sticker. Set the range switch to the appropriate position and place the detector the check source bracket. Verify the response is within the acceptable range as specified on the response value determination form/sticker for that check source. Check the instrument alarm by adjusting the ALARM SET switch so is slightly less than the count rate of the source. Remove the source from the detector. Depress the RESET button. The alarm condition should clear. If the pre-operational checks are satisfactory, complete the attached operational check sticker. (If either the alarm or the response check is notify the Health Physics Coordinator and obtain an operational rate Return the check source to the E-Kit cabinet. Set up one ratemeter at the door to the Field Office and one rate meter at the the Control Room for use. For each: 	o that it ore- failed, meter.)
	Connect detector and power cords, if not already connected, to the N ratemeter and verify the following switch settings:	Iodel 177
	Front Panel: On/Off switch in "ON" position. Volume adjusted to hear audible counts. Response switch in "slow" position. Range switch to the value necessary to maintain scale" display. Normally, this should be the "X scale.	n "on [1"
	Rear Panel: Alarm set at "5". Subtract switch in "Off" position if meter has S Switch.	ubtract
	Ensure the probe sets "face up" when not being used. (This allows user to frisk prior to handling the detector, and allows the detector to area and airborne radiation levels.)	the next o monitor
5.	If the ratemeter background reading exceeds the "X1" scale (500 CPM) du notify the Health Physics Coordinator.	ring use,

OFF SITE NOTIFICATION FORM (FAX Copy to TSC-68604 & EOF-64900)

DATA SOURCE	PROTECTIVE ACTIONS: (Site & General Emergencies ONLY)
	21) PROTECTIVE ACTIONS: O YES O NO
	22) BASED ON:
GENERAL INFORMATION:	SHELTER: LOCATION SECTORS SUBAREAS 23 24 25 EVACUATE: 26 27 28
7) EMERGENCY ACTION LEVEL: O Actual event	29)Other PAR's:
9) 10) REACTOR STATUS: RELEASE INFORMATION: THERE 11) WAS 12) AIRBORNE RELEASE OF RADIOACTIVE Manual Over-ride	PROJECTED DOSES: 30) BASED ON: DISTANCE TEDE (REM) THYROID (REM) EAB 31 32 32 34 34 35 MILES 35 36 36 10 MILES 37 38
13) START TIME OF RELEASE: : 14) ESTIMATED DURATION: Hrs.	39) NOTE: This information to be typed in here for liquid releases Liquid release From to VolumeActivity
15) CURRENT WIND SPEED: MPH	
16) FROM: Degrees 17) TO: Degrees	
INITIAL PLUME ARRIVAL TIME: 18)	FILE SEND OPEN FILE PRINT STATUS TERMINATE
EC/RM APPROVAL:COMMUNICATOR:	

Distribution: Recovery Manager

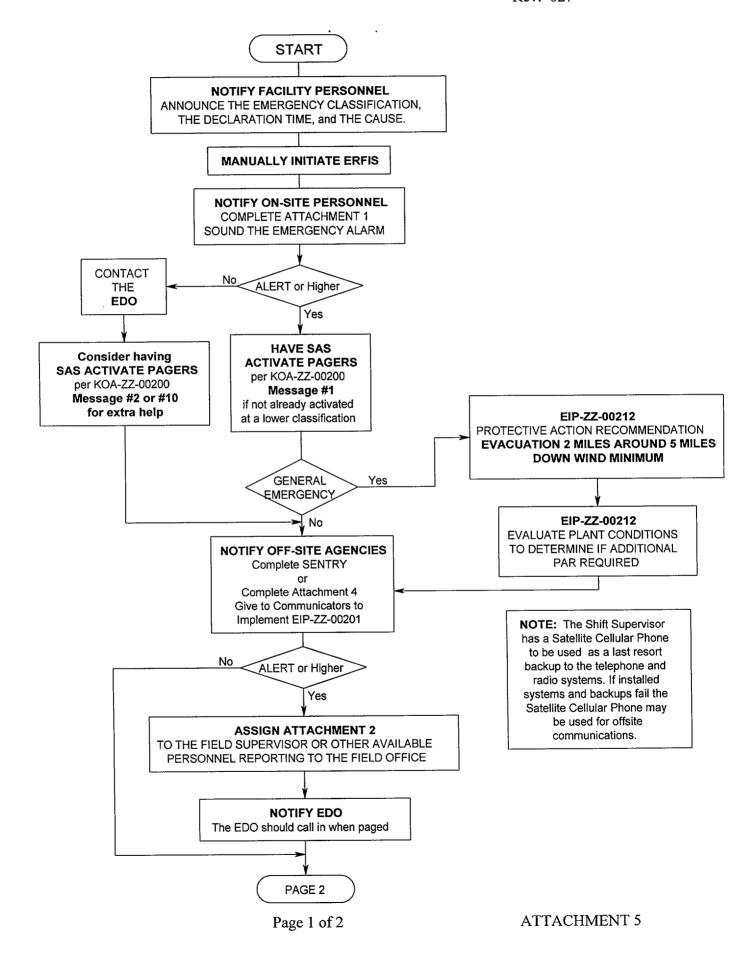
Communicator

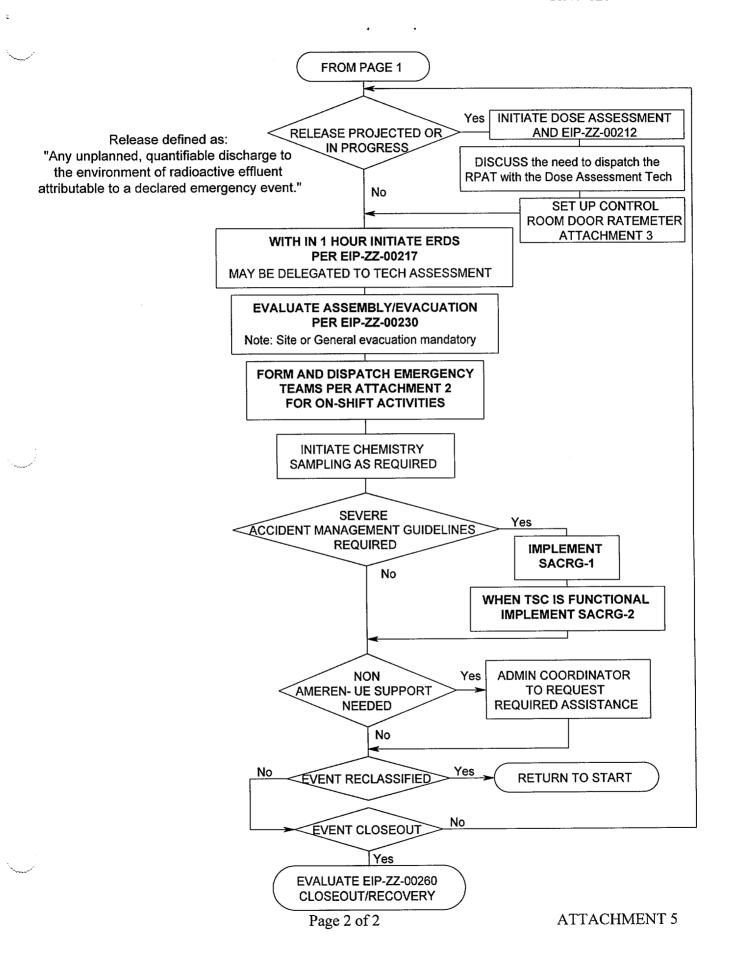
State of Missouri

File # K171.0010

Page 1 of 1

ATTACHMENT 4 CA-#0231





CALLAWAY PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EIP-ZZ-01211

MANAGEMENT ACTION GUIDES FOR NUCLEAR EMERGENCIES (MAGNEM)

RESPONSIBLE DEP	ARTMENT <u>EMER</u>	GENCY PREPA	<u> REDNESS</u>
PROCEDURE OWN	ER T.W. PARKER		
WRITTEN BY	T.W. PARKER		
PREPARED BY	T.W. PARKER	2	
APPROVED BY	1 Hand	E.D.0	
			JUN 0 8 2001
DATE ISSUED This procedure conta			ACCOUNTABLE HOLDER
Pages	1	through	4
Attachments	1	through	1
Tables		through	
Figures		through	
Appendices		through	
Checkoff Lists		through	
This procedure has	checkoff l	ist(s) maintained	in the mainframe computer.
Conversion of comm	nitments to TRS reference	e/hidden text cor	npleted by <u>Revision Number</u>
Non-T/S Commitme	nts	_	

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4	INITIATING CONDITIONS	2
5	PROCEDURE	2
6	FINAL CONDITIONS	4
7	REFERENCES	4
8	RECORDS	4
Attachm	ent 1 PC Dose Assessment Data Innut	2 Pages

MANAGEMENT ACTION GUIDES FOR NUCLEAR EMERGENCIES (MAGNEM)

1 PURPOSE AND SCOPE

1.1 PURPOSE

This procedure provides guidance for using the MAGNEM computer program for Dose Assessment.

1.2 SCOPE

This procedure provides a method of entering data into the MAGNEM computer program using effluent monitors, grab samples, and field monitoring team data.

2 <u>DEFINITIONS</u>

- 2.1 <u>RELEASE</u> -Any unplanned, quantifiable discharge to the environment of radioactive effluent attributable to a declared emergency event.
- 2.2 <u>UNPLANNED</u> -The release is related to an event that was not planned or scheduled.
- 2.3 <u>QUANTIFIABLE</u> -An indication of elevated radioactivity above normal levels, either by installed or portable instruments.
- 2.4 <u>ENVIRONMENT</u> –A pathway for radioactive material to reach the environment.

3 <u>RESPONSIBILITIES</u>

3.1 RAD/CHEM TECHNICIAN HPTS (CONTROL ROOM) COMN 3951

Performs dose calculations using MAGNEM and forwards results to the Emergency Coordinator, until the EOF is manned and ready to accept responsibility.

3.2 DOSE ASSESSMENT COORDINATOR (EOF)

Assumes responsibility from the Dose Assessment Technician (Control Room) when the EOF is manned and ready.

4 INITIATING CONDITIONS

This procedure should be implemented upon declaration of an emergency, which involves or may involve a release of radioactive material to the environment.

5 PROCEDURE

- 5.1 RUNNING MAGNEM
- 5.1.1 Log on to the LAN, if available.
- 5.1.2 Click on MAGNEM, which is in the Windows "START" menu or located on the Desktop.

5.2 <u>DATA COLLECTION FOR MAGNEM INPUT</u>

- 5.2.1 When the Callaway LAN is available, data will be automatically transferred from the Plant Computer to the appropriate data entry fields for all parameters that have a "manual" override option.
- To manually enter data into any of these automatic fields, select the "Manual Over-ride" box. The box changes from white to red indicating manual over-ride of data entry is in effect for that field.
- 5.2.1.2 If the Plant Computer is not available or manual data for all fields must be used, select "MANUAL OVER-RIDE" from the pull-down menu. Select All Manual. This will override all automatic fields and allow manual data only. Data collection for manual entry is described in the following steps.

- Using the plant computer system, display the PC Dose assessment 5.2.2 data input screen using the Turn-On-Code P C D, or from the RRIS menu screen, select PC Dose. Transcribe data from the PCD screen to the appropriate data field in 5.2.3 MAGNEM. The PCD screen print option or Attachment 1, Dose Assessment Data Input sheet, may be used to aid in transcribing data. For items not on the Plant Computer System, obtain data from the 5.2.3.1 Chemistry Coordinator, Control Room, Engineering Staff, Field Monitoring Team Leader, or Field Monitoring Team Communicator, as appropriate. Follow the program prompts after entering data. 5.2.4 If the plant computer is inoperable, dispatch a Rad/Chem 5.2.5 Technician to the Control Room to provide effluent monitor data, and to the Plant Computer Room or EOF to provide meteorological data. If meteorological information is not available on-site, obtain wind direction and wind speed, including units, for Columbia, Missouri. The number for obtaining weather information is located in the Federal Emergency Organization section for off-site emergency telephone numbers in the Emergency Telephone Directory. If stability class values are not available onsite, use an "D" stability 5.2.5.1 class. Obtain weather forecast data initially and every four hours. 5.2.6 5.3 MAGNEM SUMMARY SCREEN DISPLAY The Summary Screen may be displayed upon entering all required 5.3.1 information. Verify all input data is correct and select the option to
 - 5.3.2 Inform the Recovery Manager or the Protective Measures Coordinator, if present in the EOF, or the Emergency Coordinator of any changes relevant to the Emergency Action Levels (EALs) or Protective Action Recommendations (PARs).

"Calculate doses".

6 FINAL CONDITIONS

- The emergency has been closed out or the recovery phase has been declared.
- 6.2 Complete all necessary records and forms according to this procedure and send them to Emergency Preparedness.

7 REFERENCES

- 7.1 **EIP-ZZ-00212**, Protective Action Recommendations
- 7.2 **COMN 20363**
- 7.3 FSAR SA TABLE 2.3-55

8 <u>RECORDS</u>

<i><u>NOTE</u></i> :	All Facility Logs, SENTRY or MAGNEM screen
	prints, office memos, notes, etc. should be
	attached to the Coordinator Checklist and turned
	in to the Logistics Support Coordinator and/or
	Emergency Preparedness.

	PC DOSE ASSESSMENT DATA INPUT COLOR LEGEND						
	RELEASE RATE DATA						7
	•			ll			GOOD DATA
	(1)	UNIT VENT NOBLE G		RRI	PC	DU PCDRS	
	uCi/cc	GT-RE-21B	MONITOR				HI ALARM
<u> </u>	uCi/cc	GT-RE-21B	MONITOR 15 MIN ROLL AVG				HI/HI ALARM
	uCi/sec	GT-RE-21B	RELEASE RATE 15 MIN AVG				
			_			MET DATA	
		CTMT ATMOSPHER			6		
	uCi/cc	GT-RE-31	GAS MONITOR		(6	,	
	uCi/cc	GT-RE-32	GAS MONITOR		MPH	PRIMARY	10 METER 10 METER
		CHARMS		MPH SECONDARY MPH PRIMARY			60 METER
	R/hr	GT-RE-59	CHARMS EAL		MPH	PRIMARY	90 METER
-	-R/hr	GT-RE-60	CHARMS EAL	<u> </u>	WiF11	FRIMARI	90 METER
<u> </u>	— NIII	OT-NE-00	CITATORIO EVE		(7) WIN	D DIRECTION (FROM	15 MIN AVC
		RADWASTE VENT NOBL	F GAS	(7) WIND DIRECTION (FROM) 15 MIN AVG DEG PRIMARY 10 METER			
	uCi/cc	GH-RE-10B	MONITOR		DEG DEG	SECONDARY	10 METER
	uCi/cc	GH-RE-10B	MONITOR 15 MIN ROLL AVG.		— DEG	PRIMARY	60 METER
 	uCi/sec	GH-RE-10B	RELEASE RATE 15 MIN AVG		DEG	PRIMARY	90 METER
—	_						
1		(2) PORV MONITORS		ŀ	(8) STABILITY CLA	SS
1	mr/hr	AB-RE-111	"A" S/G		(A-G)	PRIMARY	
	uCi/cc	AB-RE-111	"A" S/G 15 MIN AVG		(A-G)	SECONDARY	
	_						
j	mr/hr	AB-RE-112	"B" S/G		(9) TEMP!	ERATURE DIFFERENTI	AL 15 MIN AVG
	uCi/cc	AB-RE-112	"B" S/G 15 MIN AVG		DEG	PRIMARY	90M - 10M
					DEG	PRIMARY	60M - 10M
	mr/hr	AB-RE-113	"C" S/G				
	uCi/cc	AB-RE-113	"C" S/G 15 MIN AVG		(10)	SIGMA THETA 15 MI	IN AVG
					DEG	PRIMARY	10 METER
	mr/hr	AB-RE-114	"D" \$/G		DEG	SECONDARY	10 METER
	uCi/cc	AB-RE-114	"D" S/G 15 MIN AVG		DEG	PRIMARY	60 METER
	<u></u>				DEG	PRIMARY	90 METER
1	_	(FEEDWATER TURBINE I			P. 0	UNIT VENT FLOW S	STATUS
	mr/hr	FC-RE-385	MONITOR	CURRENT	FLOWR/		
	uCi/cc	FC-RE-385	MONITOR 15 MIN. AVG.	STATUS		AVG (CFM) 975 MAIN STEAM ENCLO	OCTIBE
		DADWACTE VENT ELOW	CTATIC				
RADWASTE VENT FLOW STATUS		1,100 CONDENSER AIR REMOVAL 6,930 HPAC					
-			**************************************	- 1	. 01	930 FUEL BLDG EMERO	FYHALIST FAN A
1	e-	TEAM ELOWPATES IS MIN	JAVG lb/br	①	1) '	900 FUEL BLDG EMERO 900 FUEL BLDG EMERO	
PORV	STEAM FLOWRATES 15 MIN AVG lb/hr PORV (4) SAFETIES TOTAL FLOW		25,000 AUX/FUEL BLD NOR				
I JOKY	(4) SAF	IOIALILOW	"A" S/G		•	200 AUX/FUEL BLD NO	
			"B" S/G		-	000 CONTAINMENT SHU	
			"C" S/G			000 CONTAINMENT MIN	
			"D" S/G	(12)		TOTAL FLOW RATE	
37/4			ALLY ENTERDRIC DISCOURSES				
N/A	N/A	(5	AUX FW TURBINE DISCHARGE				

Obtain these values from the Plant Computer PC Dose Assessment Data Input Screen. If the values are bad or not available, dispatch a technician to the control room to obtain data from the RM-11 system. b. Use 15 minute average release rate monitor values. Values are either instantaneous values, 15 minute rolling average, or 15 minute average. 15 minute average parameters are labeled as such. c. Instantaneous value comes from GTR0021B. d. 15 minute rolling average comes from GTR0021G e. Release Rate 15 min avg. come from Fan Flow x GTR0021G Steam Generator PORV and Auxiliary Feed Pump Turbine Discharge Monitors. AB-RE-111, 112, 113, and 114 are not calibrated for readings less than 1 mr/hr (instantaneous) or 4.06 E-2 μCi/cc (15 min. Avg.). FC-RE-385 is not calibrated for readings less than 1 mr/hr (instantaneous) or 5.51 E-2 (15 min. Avg.). If these monitor values are above the lower calibration range, use 15 minute average concentrations. However, if the release has just started and the PCS has not updated with 15 minutes of release data, you should use the instantaneous (mr/hr) values. Total the steam flow rates from both the safeties and the PORVs. For a release via the Aux Feedwater Turbine discharge, use this flow rate. Wind speed should be obtained in the order given. Backup wind speed is available from the BOP computer room. (7)Wind direction should be obtained in the order given. Backup data are available in the BOP Computer Room. Use the stability class in the order given. Use the temperature differential in the order given. Backup data are available in the BOP Computer Room. Use the Sigma Theta values if the temperature differential values are not available and in the order given. (11) If (12) is not available from the plant computer screen, determine operating fan status from the Technical Assessment Coordinator, Technical Support Coordinator, or from the Control Room and total the values to obtain the Unit Vent flow rate.

Total unit vent flow is provided on the plant computer system.

(12)