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July 11, 2016

AEP-NRC-2016-60
10 CFR 50.4
10 CFR Part 50, Appendix E.V

Docket Nos.: 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

SUBJECT: Donald C. Cook Nuclear Plant Units 1 and 2
Transmittal of Revision to Emergency Plan Implementing Procedures

Dear Sir or Madam:

Pursuant to 10 CFR 50.4, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, is transmitting the following revision to CNP Emergency Plan Implementing Procedure:

Procedure Number	Title	Revision	Effective Date
RMT-2080-TSC-001	Activation and Operation of the TSC	24	6/23/2016

There are no new or revised commitments in this letter. Should you have any questions, please contact me at (269) 466-2649.

Sincerely,

M.K. Scarpello

Michael K. Scarpello
Regulatory Affairs Manager

DMB/kmh

Enclosure: Emergency Plan Implementing Procedure

AX45
NRR

c: R. J. Ancona – MPSC, w/o enclosure
A. W. Dietrich – NRC Washington, DC, w/o enclosure
MDEQ – RMD/RPS, w/o enclosure
NRC Resident Inspector, w/o enclosure
C. D. Pederson – NRC Region III (CD)
A. J. Williamson – AEP Ft. Wayne, w/o enclosure

Enclosure to AEP-NRC-2016-60

DONALD C. COOK NUCLEAR PLANT

EMERGENCY PLAN
IMPLEMENTING PROCEDURE

RMT-2080-TSC-001, Revision 24

IMPLEMENTING PROCEDURE

RMT-2080-TSC-001, Activation and Operation of the TSC, Revision 24

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1. PURPOSE AND SCOPE

1.1 This procedure provides guidance to Technical Support Center (TSC) personnel during emergencies.

1.2 Use of this procedure is restricted to emergency conditions or drills/exercises only.

2 DETAILS

NOTE: 10 CFR 50.54(x) and (y) describe the actions required if deviation from Technical Specifications or License Condition becomes necessary. Approval for invoking 50.54(x) and (y) should be obtained from the Shift Manager, but may be obtained from any on-duty SRO if the Shift Manager is unavailable. Approval should be obtained for each deviation from Technical Specifications or License Conditions.

Additionally, the Emergency Director or designees (Site Emergency Coordinators), with approval from the Shift Manager (or on-duty SRO) may suspend any (Security) safeguard measures when such suspension is immediately needed to protect the public health and safety.

The NRC is notified of invocation of 10 CFR 50.54(x) and (y) per PMP-7030-001-001, Prompt NRC Notification.

2.1 The SEC/Assistant SEC implements this procedure.

2.1.1 The SEC shall not delegate the following until responsibilities are turned over to the Emergency Director:

- Classification of the emergency
- Directing the notification of offsite officials
- Approval of PAR to offsite emergency management agencies.

NOTE: The TSC should be activated within 60 minutes of the time of declaration of Alert, SAE, or GE.

2.2 Use Attachment 1, Activation Checklist, when an emergency response is initiated.

2.3 The alternate location for the TSC is the Buchanan Office Building. Supplies and equipment for the alternate TSC are maintained in the EOF.

2.4 **IF** the "007" (Security Event) page out is received **AND** you are off-site **THEN** proceed to the EOF to assume the TSC position.

2.5 **IF** the "007" (Security Event) page out is received **AND** you are on-site **THEN** remain where you are and await further instruction from Security.

2.6 The normal location of the Operations Support Center (OSC) is the Lakeside Office Building and an alternate location is Radiation Protection Access Control (RPAC) building if the OSC becomes uninhabitable or relocation from the OSC becomes necessary.

2.7 Refer to Figure 1, Definitions and Abbreviations, for a listing of abbreviations, acronyms, and their meanings.

2.8 Refer to Figure 2, Position Descriptions, for supplemental directions for ERO personnel.

NOTE: O = Optional M = Mandatory

2.9 **IF** the TSC is activated, **THEN** the SEC directs the appropriate ERO position to perform activities in the following table.

Activity	Attachment	Responsible Position	UE	Alert	SA	GE
Activation	1	SEC/Assistant SEC	O[1]	M[1]	M[1]	M[1]
Briefings	2	SEC/Assistant SEC	M	M	M	M
Habitability	3	RAC		O	M	M
Shift Designation	4	SEC/Assistant SEC	O	M	M	M
Document Transmission/Distribution	5	Administrative Coordinator	O	M	M	M
Emergency Response Data System (ERDS)	6	Computer Analyst	O	M	M	M
Radiological Assessment/Release in Progress	7	RAC	O	M	M	M
Team Requests/Team Priority	8	PET/SEC		O	O	O
Team Status	8	Team Coordinator		M	M	M
Dismissal of Non-Essential Personnel	9	Security Director	O	O		
Accountability	10	Security Director		O	M[2]	M[2]
Site Evacuation	11	Security Director		O	M[2]	M[2]
Loss of PPC/PSS	12	PET OPS/RAC (ARAC)	O	O	O	O
Dose Extension Authorization	13	SEC/RAC		O	M	M

Potassium Iodide (KI) Administration Authorization	14	SEC/RAC		M	M	M
Classification	15	SEC	M	M	M	M
Shift Turnover	16	All ERO Positions	O	M	M	M
Core Damage Assessment	PMP-2081-EPP-105	PET Reactor Physics Analyst		M	M	M
Fission Product Barrier status	PMP-2080-EPP-101	PET Operations	O	O	O	O

[1]TSC activation is not required if it is not safe for responders to report to the site (e.g., security threat); TSC/OSC responders are instead directed to the Buchanan Office Building.
[2]Not required under certain scenarios; see attachment for further information.

3 REFERENCES

3.1 Use References:

3.1.1 PMP-2080-EPP-100, Emergency Response

3.1.2 PMP-2080-EPP-101, Emergency Classification

3.1.3 PMP-2081-EPP-105, Core Damage Assessment

3.1.4 RMT-2080-EOF-001, Activation and Operation of the EOF

3.1.5 RMT-2080-OSC-001, Activation and Operation of the OSC

3.1.6 PMP-7030-001-001, Prompt NRC Notification

3.1.7 12-OHP-5030-114-002, Miscellaneous Checks

3.2 Writing References:

3.2.1 Source References

a. EPA-400-R-92-001, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents

b. 10 CFR 20, Standards for Protection Against Radiation

c. Donald C. Cook Nuclear Plant Emergency Plan

d. 12-OHP-4023-E-1, Plant Specific Background Document, Loss of Reactor or Secondary Coolant

e. DIT B-03287-00

f. EC-0000048234

g. UFSAR, Chapter 14

h. SS-SE-2008-0177-00

i. AR 843706

3.2.2 General References

a. 10 CFR 50, Appendix E, Emergency Planning and Preparedness for Production and Utilization Facilities

b. 10 CFR 50.47, Emergency Plans

NOTE: The Technical Support Center should be activated within 60 minutes of the time of a declaration of an Alert, Site Area, or General Emergency.

NOTE: Steps 1 through 5 of this attachment may be performed in any order.

1 Assign an individual responsible to determine and monitor TSC activation time and update the SEC regarding activation status:_____

- Time of emergency declaration: _____ + 60 min. = _____ activation time goal (*60 min. from ERONS activation if activation directed at UE*). ❑

1.1 Record the following information on the Status Board:

- EAL (*for example: S-3 for Loss of DC Power*) _____ ❑
- Time of emergency declaration _____ ❑
- Required activation time _____ ❑

2 Equipment

- Method for obtaining plant data. ❑
  - Normally this is the Plant System Server (PSS)
  - If this is or becomes a dual unit event then a method to display, track and trend both units' parameters is required.
- Verify that ERDS is operating, **IF** not operating, **THEN** perform Attachment 6, ERDS. ❑
- Ensure Continuous Air Monitor is turned on and responding to background radiation. ❑
- Ensure there is a device for measuring Area Radiation levels turned on and responding to background radiation. ❑

3 Establish communications with the Control Room ❑

NOTE: With the exception of the Site Emergency Coordinator or Assistant Site Emergency Coordinator, the use of substitute personnel is permissible provided the individual in question:

- Has been determined to be able to effectively fulfill the requirements of the position because of similar current, or past professional duties, **and**
- Has been briefed, **and**
- Is able to perform all tasks of the Position Description in Figure 2, **and**
- Is not currently filling another ERO position.

4 Verify the following minimum staffing for the TSC is attained:

- SEC (fulfills Emergency Direction and Control, 60-minute responder per Cook Emergency Plan (CEP) Table 1) ❑
- PET Operations (fulfills a Plant System Engineering, 60-minute responder per CEP, Table 1) ❑
- PET Engineering - Mechanical (fulfills a Plant System Engineering, 60-minute responder per CEP, Table 1) ❑
- PET Engineering - Electrical or Instrumentation and Control (fulfills a Plant System Engineering, 60-minute responder per CEP, Table 1) ❑
- PET Reactor Physics Analyst (fulfills a Plant System Engineering, 60-minute responder per CEP, Table 1) ❑
- Radiological Assessment Coordinator (fulfills a Key ERO Member position) ❑

5 Conduct SEC turnover with the Operations Shift Manager.

- Complete Emergency Turnover Checklist, Data Sheet 2, PMP-2080-EPP-100, Emergency Response. _____ INIT

CAUTION: The following responsibilities shall not be delegated by the SEC until relieved by the Emergency Director:

- Classification of the emergency
- Directing the notification of offsite officials
- Approval of PAR to offsite emergency management agencies.

NOTE: The SEC may direct the Control Room to retain offsite notification duties.

6 Assume SEC responsibilities for command and control, classification, and PARs, and announce activation of the Technical Support Center facility.

- Announce assumption of SEC duties. ❑
- Post placard identifying the Emergency Classification (*UE, Alert, SA, or GE*). ❑
- Announce time of the TSC activation. _____ TIME ❑
- Notify Control Room, EOF and OSC of TSC activation. ❑

7 Conduct TSC initial facility briefing in accordance with Attachment 2, Briefings checklist. ❑

NOTE: Facility briefings should be conducted at least once every 30 minutes unless changing plant conditions warrant more frequent briefings.

Do not attempt to solve problems during Briefings. Delegate problem resolution and update as needed at the next briefing.

NOTE: Times referenced in this attachment are provided for guidance only.

1 Announce the time the briefing will begin.

- A facility briefing will begin at _____ hrs. ❑

2 Gather the attention of TSC team members.

- Phone conversations and side discussions cease ❑
- Team members remain attentive during the briefing ❑

3 Conduct the briefing (*5 minutes is the goal for conducting a thorough briefing*)

3.1 Review current emergency classification (*30 seconds*)

- Emergency classification UE – Alert - Site Area – General Emergency ❑
- Emergency action level (*for example: H-3, Control Room Evacuation*) ❑
- On-Site protective actions (*dismissal – accountability – site evacuation*) ❑
- PAR (*shelter, evacuate*) (*transmitted, implemented*) ❑
- Prognosis (*improving – stable - degrading*) ❑
- Conditions that would require an upgrade in classification or change in PAR ❑

3.2 Provide an overview of the current plant status (*1 minute*)

- Safety and radiological hazards concerns ❑
- Personnel missing, injured or contaminated ❑

- Grid stability (*if information available*) ❑
- Major activities in progress ❑
- Major equipment and resource issues affecting recovery activities ❑
- Response Team priorities ❑

3.3 Status of the TSC (*30 seconds - not required following activation*)

- Activation status (*estimated time for activation*) _____ hrs ❑
- Issues delaying activation (*if applicable*) ❑
- Time transmission of next EMD-32 is required _____ hrs ❑
- TSC habitability verified ❑
- Consider shift designation for relief ❑

NOTE:	Passing a microphone around the facility provides an efficient means for team members to status important issues and raise concerns.

3.4 Request TSC team updates on important issues, changing conditions, and problems encountered blocking recovery (*2 minutes*)

- PET Ops/Training (*changes affecting CSFSTs, EALs, or EOPs*) ❑
- Security Director (*updates security activities and onsite protective actions*) ❑
- RAC (plant survey data, radiological/meteorological conditions, PARs, KI Administration) ❑
- PET Engineering (*recovery activities, barriers to/and progress on repairs*) ❑
- PET Reactor Physics Analyst (*core damage assessment data and prognosis*) ❑

3.5 Announce the briefing is complete.

- Inform team of time next scheduled briefing to be conducted: _____ hrs ❑

1 TSC Ventilation System

1.1 VERIFY any of the following conditions are present:

- The emergency involves a loss of coolant accident ❑
- The Control Room Pressurization System has been activated (other than fire) ❑
- Any valid Safety Injection signal ❑

NOTE:	The TSC Ventilation System Normal/Emergency Mode switch is located high on the north wall of the TSC Communications Room.

1.2 **IF** one or more conditions are present, **THEN** verify that the TSC Ventilation System is in the Emergency mode as follows:

- Request permission from Unit 1 Control Room operators to place the TSC Ventilation System in Emergency mode. ❑
- Notify Unit 1 Control Room operators to expect Annunciator Panel #112 Drop 5, "TSC EMER VENT AIR SYSTEM OPERATING" alarm when the TSC Ventilation System is switched to Emergency Mode. ❑
- Rotate the position of the TSC Ventilation System Normal/Emergency Mode control switch (12-101-TSC-EM), to EMERGENCY. ❑
- Verify Annunciator Panel #112 Drop 5, "TSC EMER VENT AIR SYSTEM OPERATING" alarm has been received in Unit 1 Control Room. ❑
- Write in the Emergency Mode start time on the placard located below the switch. ❑
- Inform the SEC that TSC Ventilation has been placed in the Emergency Mode.

1.3 **WHEN** conditions no longer require the TSC Ventilation System to be in the Emergency mode, **THEN** return the system to normal.

- Request permission from Unit 1 Control Room operators to place the TSC Ventilation System in Normal mode. ❑
- Rotate the position of the TSC Ventilation System Normal/Emergency Mode control switch (12-101-TSC-EM), to NORMAL. ❑
- Write in the Emergency Mode stop time on the placard located below the switch. ❑
- Verify that procedure 12-OHP-5030-114-002, Miscellaneous Checks, Data Sheet 1 is updated. ❑

2 Radiological Monitoring

2.1 Periodically assess the need for protective actions for TSC personnel (evacuation, KI administration) based upon the following:

Parameter	Action Level	Recommended Action
Whole Body Dose Rate	2 R/hr. dose rate	Evacuate TSC immediately
Total Effective Dose Equivalent	3 rem individual(s) cumulative dose	Evacuate affected individual(s) immediately
I-131 Airborne Concentration	2E-5 μCi/cc	Evacuate TSC immediately AND administer KI
Loss or potential loss of the Fuel Clad Barrier.	As noted by TSC and Attachment 14	Administer KI as authorized by the SEC.

[Ref 3.2.1i]

NOTE:	Potassium Iodide (KI) is available in the north room of the TSC.

2.2 **IF** activity reaches 2E-5 μCi/cc of I-131, **THEN** KI should be administered to TSC personnel in accordance with Attachment 14 KI Administration

3 Evacuation of TSC

NOTE:	Evacuation of the TSC may be directed based upon SEC discretion or recommendation by the RAC for radiological or other habitability considerations.

NOTE:	Only the minimum number of TSC staff needed, as determined by the SEC, should be relocated to the Control Room of the unaffected unit. All others should be evacuated to the OSC for radiological assessment and possible site evacuation.

3.1 Evacuate the TSC, as follows:

- Notify the SEC, Control Room, OSC, and EOF of TSC evacuation. ❑
- Direct TSC staff members evacuating to the OSC to follow the route designated by the RAC. ❑
- Direct TSC staff members evacuating to the Control Room of the unaffected unit. ❑

1 This attachment is completed at the onset of an Alert, Site Area Emergency, or General Emergency and repeated once per shift or as directed.

NOTE:	Individual phone numbers may be obtained from the Emergency Response Organization Phone Directory.

2 The Facility Manager coordinates shift turnovers to ensure plant conditions allow individuals to report to their facility without undue risk or exposure.

3 The Facility Manager should determine manpower resources required for next shift designation and should assign an individual to ensure personnel have been notified.

4 Contact the Scheduling/Planning Manager in the EOF to determine any plant access restrictions or special routing information for ERO responders.

NOTE:	During Drills / Exercises, identification of oncoming relief responders may be simulated.

5 To aid in the shift designation process, provide a list of the responders currently in attendance and the oncoming relief responders to the facility manager.

Position Title	TSC Responders Currently in Attendance	Name of On Coming Relief Responder *(Determined by designated relief team or assigned All Call responders)*
Assistant Radiological Assessment Coordinator		
Radiological Assessment Coordinator		
Site Emergency Coordinator		
TSC Administrative Coordinator		
TSC Boardwriter		
TSC Control Room Communicator		
TSC Administrative Support		
TSC PET-Computer Analyst		
TSC PET-Maintenance		
TSC PET-Operations		
TSC PET-Training		
TSC Team Coordinator		
TSC PET-Reactor Physics Analyst		
TSC Security Director		
Assistant SEC		

1 When oncoming shift designation form is returned from the EOF Scheduling & Planning Manager, the on duty SEC may use the form to validate presence of oncoming shift.

2 Inform the SEC when the shift designation form has been returned from the EOF Scheduling & Planning Manager.

NOTE:	Some of the facility Fax machines are designated within the phone directory as INCOMING and others as OUTGOING. These machines should remain in their designated mode to better facilitate communications between facilities.

NOTE:	Fax machine phone numbers for the facilities and offsite agencies are available in the Emergency Response Organization Phone Directory.

1 Documentation to be Distributed or Transmitted (Faxed or hand carried).

1.1 Verify the Fax machine Dates and Times are set correctly.

1.2 Duplicate documents for distribution per Steps 1.5 and 1.6.

1.3 Forward all originals to the Administrative Coordinator.

1.4 Log incoming and outgoing faxes in the facility Fax Log, Data Sheet 4.

1.5 Distribute incoming faxes to the positions as described on the facility distribution map located in the copy area.

1.6 The following table gives additional direction on the transmission/distribution of material:

Document	Destination	Frequency	Additional Instructions
Nuclear Plant Event Notification, EMD-32a	Distribute to TSC personnel.	Initial class Upgrade or PAR	Received from Control Room or EOF
Nuclear Plant Technical Data, EMD-32b	Distribute to TSC personnel.	30 minutes	Received from Control Room or EOF
PPC/PSS Failure – Critical Control Room Data, Data Sheet 1, PMP-2080-EPP-100, Emergency Response (*Complete and distribute ONLY when PPC/PSS unavailable*)	Fax to EOF and ENC or JIC. Distribute to TSC personnel. (*ONLY when PPC/PSS unavailable*)	15 minutes (*ONLY when PPC/PSS unavailable*)	Obtain from Control Room (*ONLY when PPC/PSS unavailable*)
Radiation Monitoring System, Data Sheet 2 (*Complete and distribute ONLY when PPC/PSS unavailable*)	Fax to ENC or JIC; distribute in TSC (*ONLY when PPC/PSS unavailable*)	15 minutes (*ONLY when PPC/PSS unavailable*)	RAC or designee complete form with data of interest. (*ONLY when PPC/PSS unavailable*)
Plant Chronological Status Board Notes	Distribute in TSC	As available	TSC Board Writer prints copy of Status Board prior to cleaning.
Response Team Request, Data Sheet 1	Fax to the OSC	As needed	Response Team Request requires SEC approval (approval may be verbal in lieu of this form, if the need for team dispatch is urgent).

NOTE:
- 10 CFR 50, Appendix E requires ERDS to be activated within 1 hour following an Alert or higher event classification.
- The TSC is the primary group responsible for activating ERDS. The EOF has secondary responsibility.
- ERDS is normally active 24/7.

1 **IF** ERDS is not active **THEN** activate ERDS from the PSS application by:

1.1 Click on the appropriate unit/system designator (Unit1, Unit2, SPC1 or SPC2). ❑

1.2 In the white background box under the window menu option, type in "ERDS" and press enter. ❑

1.3 When prompted enter User Name and Password. ❑

- Obtain User Name and Password from the Position Specific Desktop Guide. ❑

1.4 Click on the screen location labeled "ACTIVATE" ❑

CAUTION: Do Not perform step 2 for drills or exercises.

2 **IF** in a dual unit event, **THEN** open another display on the PSS by clicking on file menu option and selecting the top menu. ❑

2.1 Repeat steps 1.1 through 1.4 for the other unit. ❑

3 **IF** ERDS transmission is lost, **THEN**: ❑

3.1 Contact the NRC to investigate the connection problem. ❑

3.2 Contact Information Technology to investigate the connection problem. ❑

3.3 Notify the SEC that Data Sheet 1 of procedure PMP-2080-EPP-100, Emergency Response, must be completed every 15 minutes until the connection is restored. ❑

4 Terminate ERDS transmission:

4.1 Contact the NRC to request permission to terminate ERDS transmission. (The ERDS Operation Center phone number is located in the Emergency Response Organization Phone Directory.) ❑

4.2 **IF** permission is granted, **THEN** Click on the screen location labeled "TERMINATE". ❑

1 Review the Radiation Monitoring System channel and meteorological data concentrating on:

1.1 Effluent release points

1.1.1 **IF** an unmonitored release is suspected to be in progress and the associated RMS monitor is unavailable, **THEN** dispatch off-site monitoring team(s) immediately to perform a site boundary survey, and inform the SEC and EAD.

1.2 Containment high range area monitors. Trigger points for classification changes are:

- 10 R/hr – Alert
- 200 R/hr – SAE
- 1000 R/hr - GE

1.3 Channel operability status

1.4 Trends

NOTE:	PPC/PSS displays what direction the wind is coming **from** (e.g., a PPC display of wind direction at 270° indicates that the wind is coming from due west).

1.5 Wind speed and wind direction.

2 Review current locations of personnel within the facility to:

2.1 Determine occupied downwind facilities

2.2 Evaluate the need for pre-release facility evacuation.

3 Evaluate radiological conditions for the OSC by:

3.1 Review Radiation Monitoring System monitors to determine site radiological conditions

3.2 Determine best entry and egress team routes.

4 **IF** any significant changes occur which could affect teams or other plant personnel, **THEN** notify:

- Radiation Protection Director (in the OSC)
- Site Emergency Coordinator

5 **IF** a radiological release is imminent or occurring, **THEN**:

5.1 Immediately notify the Assistant SEC or SEC.

NOTE:	Approval for eating, drinking, or tobacco use may be granted upon completion of facility-specific habitability surveys.

5.2 Announce (or direct the announcement) over the plant PA system that no eating, drinking, or tobacco use is allowed without the approval of Radiation Protection.

5.3 Evacuate downwind facilities.

5.4 Inform the Radiation Protection Director in the OSC.

5.5 Determine consequences and implement corrective actions for dispatched teams and other occupied facilities. Consider:

- Sheltering in an unaffected area of the plant
- Evacuation back to the OSC
- Effect on or need for on-site accountability and evacuation
- Facilities occupied outside the Control Rooms, TSC and the OSC

5.6 Identify the release origin point with the assistance of the PET.

5.7 Initiate habitability assessments for the Control Room, TSC, OSC, and assembly area.

5.8 Evaluate the need to administer KI to individuals exposed to, or potentially exposed to the plume in accordance with Attachment 14, KI Administration.

5.9 Evaluate the need for any uptake assessments or medical follow-up observations for individuals exposed to the plume.

NOTE:	The SEC approves requests for OSC teams. For a team that must be expedited due to an urgent need, verbal authorization from the SEC for that team (vice fax transmission of a signed team request form) is permitted. Refer to Figure 3, **24** , for complete team flow path.

1 Request a response team by:

1.1 Completing Data Sheet 1, Response Team Request, (if team is not urgent).

1.2 Obtaining opinion/concurrence of RAC on feasibility of a team being able to perform task (*from a radiological standpoint*).

- Consider the potential for dose extensions
- Consider the potential for KI distribution in accordance with Attachment 14, KI Administration

2 Determine the overall need and team priority by:

2.1 Determining the immediate need of the request.

2.2 Comparing the need to teams already being assembled or dispatched. Consider:

- The effect on the OSC of re-prioritization of previously requested teams
- Possibility of existing teams performing the work

3 The SEC approves the request as appropriate and assigns team priority.

4 The TSC Team Coordinator:

4.1 Updates the team status board.

4.2 Informs the OSC verbally of the request (and/or authorization).

4.3 Updates the OSC of team priorities as they are established or changed.

5 **WHEN** the SEC has approved the request, **THEN** transmit Data Sheet 1, Response Team Request, to the OSC Resource Coordinator (if an expedited team was not already verbally authorized by the SEC).

NOTE:	SEC judgment should be used in making the decision to dismiss non-essential personnel from the site. Events where dismissal should strongly be considered are rapidly degrading conditions (core damage is occurring or imminent), large fire, or other conditions which, in the judgment of the SEC warrants such dismissal.

1 **IF** hazardous conditions are occurring or imminent AND no further hazard would be introduced by the dismissal of non-essential personnel, **THEN** obtain SEC's concurrence to dismiss all non-essential personnel from the site.

NOTE:	Personnel assisting the ERO (such as a Failure Investigation Process Team) should be Radworker qualified (i.e., have a TLD).

1.1 **IF** personnel may be needed to assist the ERO (e.g., FIP Team), **THEN** arrange for utilization of such personnel as determined by the SEC.

1.2 **IF** radiological conditions may impact dismissal of non-essential personnel (e.g., radiological release in progress), **THEN**, contact RP for assistance/guidance in dismissal route, and other considerations as applicable.

1.3 Contact the Security Shift Supervisor (2005 or 2731) to coordinate the dismissal of non-essential personnel from site. Discuss:

- Whether or not rapid egress is required (e.g., airborne attack)
- Route to be used for dismissal (e.g. vehicle evacuation routes main access road or Livingston Road, **OR** pedestrian routes north along the beach to Rosemary Beach or south along the beach to Livingston Rd.).
- **IF** using the Livingston Road route, **THEN** contact Security to unlock the gates.

1.3.1 Instruct the Security Shift Supervisor to carry out agreed upon method of egress using specific route, and to inform personnel in the Owner-Controlled Area to leave the site.

1.3.2 Instruct the Security Shift Supervisor to inform the SM/SEC when dismissal of Non-Essential Personnel has been completed.

1.4 Inform both Control Rooms (through the Board Writer or SEC) of the decision to dismiss non-essential personnel and how dismissal will be accomplished (normal or rapid egress, with specific route to be used).

1.5 Determine if the Unit 1 and/or Unit 2 Containment Evacuation Alarm should be sounded.

1.5.1 Request the Control Room sound the Containment Evacuation Alarm(s), if required.

1.6 Direct the Control Room, **OR** otherwise ensure that a PA announcement is made for dismissal of all non-essential personnel. Make the announcement two times.

1.6.1 **IF** normal egress is to be used, **THEN** make the following announcement two times. Modify the announcement if an alternate route (Livingston Road) is used:

"Attention all personnel. Attention all personnel. Due to the current plant conditions, all non-essential personnel are requested to leave the plant site at this time using the main plant access road."

a. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646.

1.6.2 **IF** rapid egress is to be used, **THEN** make the following announcement two times:

"Attention all personnel. Attention all personnel. Due to the current plant conditions, all non-essential personnel are requested to leave the plant site, using (specify Security portal, including location, e.g., "vehicle portal near the North Access Building") and exiting the site using (State the route)."

a. Make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646, omitting the "using Security portal" statement.

NOTE:	During some postulated events, assembly & accountability may pose a greater danger than directing a rapid egress of personnel from the Protected Area, or directing personnel to remain in their work areas. SEC discretion, with input from the Security Director should be used in the decision to perform accountability and/or evacuation under these conditions.

1 Review the three methods of Accountability below:

- Primary Method – using this method, all non-ERO individuals within the Protected Area will proceed to an Assembly Area located in the Office Building and Service Building and swipe their security badges at one of the associated Accountability Card Readers.
  - Personnel will remain in the Assembly Areas until evacuated per SEC direction.
  - A list of missing individuals will be generated by Security within 30 minutes from the time accountability is ordered (i.e., NEA is sounded).
- Alternate Method – using this method, and under direction from the Security Shift Supervisor all non-ERO individuals within the Protected Area will exit through a Security Portal (e.g., vehicle portal near North Access Building) selected by Security per conditions at the time.
  - This method allows for rapid egress of personnel from the Protected Area because exit card readers/turnstiles may be bypassed.
  - In this method, individuals may be required to relinquish their security badges so that Security personnel can account for them and verify their leaving the Protected Area.
  - This method should only be used under extreme circumstances where assembly and accountability may pose a greater hazard to personnel than rapid evacuation.
  - The Security Director will determine which route will be used for dismissal (e.g. vehicle evacuation routes main access road or Livingston Road, OR pedestrian routes north along the beach to Rosemary Beach or south along the beach to Livingston Rd.).

- **IF** radiological conditions may impact dismissal of non-essential personnel (e.g., radiological release in progress), **THEN**, contact RP for assistance/guidance in dismissal route, and other considerations as applicable.

- **IF** using the Livingston Road route, **THEN** contact Security to unlock the gates.

- No Accountability – under some Security events Accountability may be delayed (or omitted entirely) per SEC discretion (e.g., security event in a vital area – intrusion by a hostile force).

2 Recommend to the SEC which method of accountability should be used.

3 Obtain SEC concurrence on which method of accountability should be used.

3.1 **IF** using the Primary Method of accountability, **THEN** request that Security:

- Prepare for accountability.
- Commence evacuation of the Owner-Controlled Area outside of the Protected Area.

NOTE:	The RAC should be consulted for input on best means of egress from the Protected Area/Site if a radiological release is in progress or imminent.

3.2 **IF** using the Alternate Method of accountability, **THEN** request that Security initiate the alternate method of accountability.

3.2.1 Coordinate with Security Shift Supervisor (if available) and the RAC, if a radiological release is imminent or in progress, as to which Security Portal(s) will be used for Protected Area evacuation.

3.2.2 Request that the Owner Controlled Area also be evacuated.

4 Contact Personnel Inside the Protected Area

4.1 **IF** using the Primary Method of Accountability, **THEN** advise the Control Room to:

- Sound the Unit 1 and Unit 2 Containment Evacuation Alarm.
- Sound the Nuclear Emergency Alarm.

4.1.1 Make or have the Control Room make a PA announcement for personnel to report for accountability. Make the announcement two times. An example of this announcement is:

"Attention all personnel. Attention all personnel. A (State the current classification – usually a SAE) has been declared due to (brief description of EAL). Report to an Assembly Area located in the Office Buildings or Service Building for accountability at this time. Use an accountability card reader and then remain in the area for further announcements."

a. Make or have the Control Room make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646.

4.2 **IF** using the Alternate Method of Accountability, **THEN** direct the Control Room to:

- Sound the Unit 1 and Unit 2 Containment Evacuation Alarm.
- Sound the Nuclear Emergency Alarm.

4.2.1 Make or have the Control Room make a PA announcement for personnel to use the alternate method of accountability. Make the announcement two times. An example of this announcement is **OR** the use the announcement in PMP-2080-EPP-100, Emergency Response, Attachment 4, Accountability

"Attention all personnel. Attention all personnel. A (State the current classification – usually a SAE) has been declared due to (brief description of EAL). Due to the current plant conditions, all non-essential personnel are requested to leave the plant site, using (specify Security portal, including location, e.g., "vehicle portal near the North Access Building") and exiting the site using (State the route) ."

a. Make or have the Control Room make the same announcement two times in the Training Building, NEST and Buchanan Office Building by dialing 1646.

4.3 **IF** the No Accountability Method is used, **THEN** DO NOT sound the NEA, Containment Evacuation Alarms, or make public address announcements regarding accountability.

4.3.1 Make or have PA announcements made as necessary for protection of on site personnel.

5 Perform Follow-Up Actions.

5.1 **IF** the Primary Method of Accountability was used, **THEN**:

5.1.1 Obtain a list of unaccounted for personnel from Security.

5.1.2 Notify the SEC upon completion of personnel accountability. Inform the SEC of any unaccounted for individuals. This must be accomplished within 30 minutes of the accountability order (i.e., after NEA is sounded).

5.1.3 **IF** individuals are unaccounted for, **THEN** the Security Director:

a. Provides a list of unaccounted personnel to each of the Emergency Response Facilities.

b. Instructs the managers of each facility to verify the missing personnel are not in the facilities.

c. Initiates searches for the missing personnel. Searches can be done via:

- Plant public address system
- Plant personnel paging system
- Assembling search teams via the TSC

5.1.4 Provide the SEC and facilities with periodic updates on status until all missing personnel are accounted for.

5.2 **IF** the Alternate Method of Accountability was used, **THEN:**

5.2.1 Obtain a list of missing personnel from Security upon completion of the manual accountability (this will take longer than 30 minutes).

5.2.2 Notify the SEC of any unaccounted for individuals.

5.2.3 **IF** individuals are unaccounted for **THEN** the Security Director:

a. Provides a list of unaccounted personnel to each of the Emergency Response Facilities.

b. Instructs the managers of each facility to verify the missing personnel are not in the facilities.

c. **IF** conditions warrant (i.e., based on availability of security officers **AND** safety of searchers), **THEN** initiates searches for the missing personnel. Searches may be done via:

- Plant public address system
- Plant personnel paging system
- Assembling search teams via the TSC

5.3 **IF** the No Accountability Method was used, **THEN** take any necessary follow-up actions when conditions warrant. Examples of the follow-up actions include:

- After hostile force has been neutralized, SEC may choose to perform accountability (per Primary or Alternate Method).
- Coordinate with Security to locate any missing personnel.
- Public Address announcements as necessary.
- Dismissal or evacuation of personnel as necessary.

NOTE: During some postulated events, evacuation may pose a greater danger than sheltering personnel within buildings. Under other events, rapid egress from the Protected Area and evacuation of the site is prudent. SEC discretion, with input from the Security Director and/or RAC as applicable, should be used in the decision whether to evacuate under these conditions.

NOTE: Security Officers performing safeguards duties are ERO members and should not be dismissed from these duties unless life-threatening conditions exist.

1 Determine If Evacuation Should Be Performed. Evacuation is performed at a SAE (or GE, if SAE was not entered) and may have already been performed.

1.1 **IF** a security event is in progress in which evacuation could cause personnel harm (e.g., hostile force in a vital area), **THEN** SEC should shelter personnel within work areas, or as recommended by Security, rather than evacuation.

1.1.1 Coordinate with Security (1118, 1119, 2005 or 2731) in taking protective measures as necessary for plant personnel.

1.1.2 **WHEN** the security event has been terminated (i.e., hostile force has been neutralized), **THEN** GO to Step 2.

NOTE: Guidance for radiologically-contaminated evacuees is provided in RMT-2080-OSC-001, Activation and Operation of the OSC.

1.2 **IF** a radiological release is in progress, **THEN** consult with RP (RAC or ARAC) in determining whether evacuation should be delayed.

1.3 **IF** no new hazards would be introduced by evacuation, **THEN** evacuate personnel per Step 2.

1.4 **IF** offsite agency personnel (e.g., National Guard, MSP, etc. are stationed in the Owner Controlled Area, **THEN** determine if these personnel should be evacuated or if they will remain on site.

- Take appropriate actions (e.g., evacuate, shelter, relocate on site, issue dosimetry, etc.) as necessary to protect the offsite agency personnel.

NOTE:	Beach evacuation routes are pedestrian routes and should only be considered as a last resort, and only for those individuals that are able to walk over rugged terrain.

2 Site Evacuation

2.1 Rapid Egress

2.1.1 **IF** an event is in progress in which rapid evacuation of the Protected Area is necessary (e.g., airborne attack threat), **THEN** implement such evacuation by using the Rapid Egress Method.

a. Coordinate with Security (1118, 1119, 2005 or 2731) to initiate Rapid Egress of the Protected Area.

- Coordinate with the Security Shift Supervisor (and RP, if a radiological release is imminent or in progress) as to which Security Portal(s) and evacuation route (e.g., vehicle evacuation routes main access road or Livingston Road, OR pedestrian routes north along the beach to Rosemary Beach or south along the beach to Livingston Rd.) will be used for Protected Area evacuation.

- **IF** using the Livingston Road route, **THEN** contact Security to unlock the gates.

- Request that the Owner Controlled Area also be evacuated.

- Instruct the Security Shift Supervisor to notify the TSC Security Director when evacuation of the Protected Area is complete.

- Instruct the Security Shift Supervisor to notify the TSC Security Director when evacuation of the Owner Controlled Area is complete.

b. Direct an Operator to make the following announcements **OR** the announcement in PMP-2080-EPP-100, Emergency Response, Attachment 5, Evacuation, for personnel to exit the Protected Area per designated Security Portal(s). Modify the announcement if an alternate route (Livingston Road) is used and as conditions warrant. Make the announcement two times.

"Attention all personnel. Attention all personnel. A (State the current classification – usually a SAE) has been declared due to (brief description of EAL). Due to the current plant conditions, all non-essential personnel are requested to exit the Protected Area using (specify security portal, including location, e.g., 'vehicle portal near the North Access Building') and leave the site using (State the route)." _____

c. Direct an Operator to make the following announcement **OR** the announcement in PMP-2080-EPP-100, Emergency Response, Attachment 5, Evacuation, in the Training Building, NEST and Buchanan Office Building by dialing 1646. Modify the announcement if an alternate route is used (Livingston Road) and as conditions warrant.

"Attention all personnel. Attention all personnel. A (State the current classification – usually a SAE) has been declared due to (brief description of EAL). Due to the current plant conditions, all non-essential personnel are requested to leave the site using (State the route)." _____

2.2 Normal Egress

2.2.1 **IF** normal egress from the Protected Area will be used for evacuation (North Access turnstiles), **THEN** contact the Security Shift Supervisor (2005 or 2731) to initiate evacuation.

- Coordinate with the Security Shift Supervisor (and RP, if a radiological release is imminent or in progress) as to which Security Portal(s) and evacuation route (e.g., vehicle evacuation routes main access road or Livingston Road, OR pedestrian routes north along the beach to Rosemary Beach or south along the beach to Livingston Rd.) will be used for Protected Area evacuation.

- Request that the Owner Controlled Area also be evacuated.

- Instruct the Security Shift Supervisor to notify the SEC when evacuation of the Protected Area is complete.

- Instruct the Security Shift Supervisor to notify the SEC when evacuation of the Owner Controlled Area is complete.

2.2.2 **IF** the evacuees cannot use their personal vehicles, **THEN:**

- Arrange for mass transportation to be available at a predetermined pickup point through the EOF (if activated) or the Berrien County EOC.

- Release personnel only after transportation has been confirmed in route or in place.

2.2.3 **IF** the Security procedure for the evacuation of personnel outside the protected area has not already been initiated, **THEN** initiate the procedure.

- Determine if special instruction are required for offsite agency personnel (e.g., National Guard, MSP, etc.) stationed in the owner controlled area.

- Take appropriate action (e.g., evacuation, shelter, relocate on site, issue dosimetry, etc.) as necessary to protect the offsite agency personnel.

2.2.4 Request a team from the OSC to brief evacuees and direct them offsite using the recommended evacuation route.

2.2.5 Periodically report the evacuation progress to the SEC until completed.

2.3 Take any necessary follow-up actions.

2.3.1 **IF** pedestrian routes were used for evacuation, **THEN** coordinate with the EOF (if activated) or the Berrien County EOC, to arrange for transportation for evacuees.

2.3.2 **IF** pedestrian routes were used for evacuation, **THEN** coordinate with the EOF to arrange for an alternate means of evacuation for those who were unable to evacuate **OR** shelter affected individuals in a safe area as designated by the SEC.

NOTE: Loss of the PPC/PSS in any facility will require personnel from the TSC to respond and supply data as needed. The methods used for collection of data are listed in order of preference to minimize interference with control room operations and employ ALARA principals.

1 **IF** the PPC/PSS is not available in a facility, **THEN** determine which data is needed. It is recommended this data be supplied at 15-minute intervals with significant changes being transmitted immediately.

1.1 RMS (RAC or ARAC)

1.1.1 Obtain data from:

- RMS Interface Terminals
- Local DAM readings (request a team from the OSC)
- Unaffected control room Control Terminal
- Affected control room Control Terminal

1.1.2 Record RMS data for requested channels on Data Sheet 2, Radiation Monitoring System.

1.1.3 Supply data sheets to TSC Administrative personnel for transmittal and dissemination (as per Attachment 5, Document Transmission/Distribution, of this procedure).

1.2 Plant Status (PET Operations or PET Training)

1.2.1 Obtain data from:

- PPC/PSS
- Affected control room
- Available local devices (request a team from the OSC)

1.2.2 Record plant status data on PPC/PSS Failure – Critical Control Room Data (PMP-2080-EPP-100, Emergency Response, Data Sheet 1).

1.2.3 Supply data sheets to TSC Administrative personnel for transmittal and dissemination.

1.2.4 **WHEN** the PPC/PSS returns to service, **THEN** recall any field teams, if appropriate.

NOTE: The SEC authorizes dose extensions (doses in excess of 10 CFR 20 and per the guidance in EPA-400-R-92-001, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents) for individuals/teams during emergencies. Section 1 is provided as guidance when considering dose extensions. Exposures exceeding 25 REM whole body should only be considered and used as a last resort. The use of ALARA principles and multiple personnel shall be considered first.

1 Precautions and Limitations

1.1 Dose to all workers during an emergency should be limited to 5 rem whole body when practical.

1.2 Dose to workers performing emergency services under emergency conditions are treated as a once in a lifetime exposure.

1.3 Individuals who have received > 10 rem in a previous incident have received their "once in a lifetime" exposure and are not allowed to exceed 10 rem in this incident.

1.4 Dose extensions should not be authorized for exposures which would be accrued in an emergency that are not related to the incident. Administrative dose limits should apply in these cases.

1.5 Minors and Declared Pregnant Females are not to be considered for receiving emergency doses.

1.6 Workers should not be allowed dose limits greater than 5 rem whole body unless both of the following conditions have been satisfied.

- Lower doses through the rotation of workers or other commonly used dose reduction methods are not possible, and,
- Instrumentation is available to measure their exposure.

1.7 Workers performing services during emergencies should, for the duration of the incident, be limited to:

- Dose to the lens of the eye to three (3) times the listed whole body values
- Dose to any other organ, including skin and body extremities, to ten (10) times the listed whole body values

1.8 Exposures should be limited as follows:

1.8.1 Protection of Valuable Property

- 10 rem whole body per incident for the protection of valuable property

1.8.2 Protection of Large Population

a. $\leq$25 rem whole body per lifetime if the exposure of workers that is incurred for the protection of large population may be considered justified for situations in which the collective dose avoided by the emergency operation is significantly larger than that incurred by the workers involved

b. >25 rem whole body per lifetime if the exposure of workers that is incurred for the protection of larger populations may be considered justified for situations in which the collective dose avoided by the emergency operation is significantly larger than that incurred by the workers involved provided:

- The dose received is on a voluntary basis
- The individual has full awareness of the risks involved
- The individual has signed next to his/her name on the dose extension form

1.8.3 Life Threatening Situations

a. $\leq$25 rem whole body per lifetime for life saving activities

b. >25 rem whole body per lifetime for an unavoidable life threatening situation provided:

- The Dose received is on a voluntary basis
- The individual has full awareness of the risks involved (see Section 2 of this attachment)
- The individual has signed next to his/her name on the dose extension form

1.9 Dose extensions are given for the task, not for the duration of the emergency.

2 Provide the information contained in this section to the individuals receiving emergency dose extensions:

Health Effects Associated with Whole Body Absorbed Doses Received Within a Few Hours[a]			
Whole Body Absorbed dose (rad)	Early Fatalities[b] (percent)	Whole Body Absorbed dose (rad)	Prodromal Effects[c] (percent affected)
140	5	50	2
200	5	100	15
300	50	150	50
400	85	200	85
460	95	250	98

a. Risks will be lower for protracted exposure periods.

b. Supportive medical treatment may increase the dose at which these frequencies occur by approximately 50 percent.

c. Forewarning symptoms of more serious health effects associated with large doses of radiation.

Approximate Cancer Risk to Average Individuals receiving 25 Rem Effective Dose Equivalent Delivered Promptly. To estimate average cancer mortality for moderately higher doses the results may be increased linearly.

Age at exposure (years)	Appropriate risk of premature death (deaths per 1,000 persons exposed)	Average years of life lost if premature death occurs (years)
20 to 30	9.1	24
30 to 40	7.2	19
40 to 50	5.3	15
50 to 60	3.5	11

3 Complete Data Sheet 3, Dose Extension Form (using TSC Administrative personnel between the OSC and TSC as necessary).

3.1 Obtain SEC approval for dose extension. _____

3.2 **WHEN** SEC permission has been obtained, **THEN** individuals may be dispatched from the OSC. _____

3.3 Record the Task Dose on Data Sheet 3 upon completion of task. _____

3.4 Forward the completed Data Sheet 3 to RP-Dosimetry _____

NOTE:	The SEC authorizes the use of KI during emergencies, under the recommendations of the RAC or RPD. Section 1 provides guidance for when KI should be administered.

NOTE:	Administration of KI means to make available the KI tablets (following SEC authorization) to those individuals who have completed the KI consent form.

1 The RAC or RPD should consider KI administration to affected individuals in the following instances:

- Prior to teams being dispatched when a radioactive release is known or suspected following fuel or clad damage.
- Prior to teams being dispatched when exposure to airborne concentrations of iodine are likely, suspected, or unknown following fuel or clad damage.
- Within 2 hours of a known or suspected uptake of iodine.
- When I-131 airborne concentrations approach 2E-5 μCi/cc.
- In the absence of any other indications of the presence of radioiodine, direct administration of KI to all personnel remaining on site when the Fission Product Barrier Matrix Emergency Action Levels indicate a Potential Loss or Loss of the Fuel Clad Barrier.

1.1 Provide the reason for KI administration determination to the SEC. _____

1.2 Request that the SEC authorize the administration of KI. _____

2 **IF** the RAC or RPD determines that KI administration is advisable, **THEN** the SEC completes Data Sheet 6, Approval for KI Administration. _____

2.1 Considerations when administering KI:

- The only people who should not take potassium iodide are people who know they are allergic to iodide. You may take potassium iodide even if you are taking medicines for a thyroid problem (for example, a thyroid hormone or anti-thyroid drug). Pregnant and nursing women, babies, and children may also take this drug.

- Usually side effects of potassium iodide happen when people take higher doses for a long time. Do not take more than the recommended dose or take it longer than told. Side effects are unlikely because of the low dose and the short time that the drug will be taken.

- Possible side effects include skin rashes, swelling of the salivary glands, and "iodism" (metallic taste, burning mouth and throat, sore teeth and gums, symptoms of a head cold, and sometimes stomach upset and diarrhea).

- A few people have had an allergic reaction with more serious symptoms. These could be fever and joint pains; swelling of parts of the face and body and at times severe shortness of breath requiring immediate medical attention.

- Taking iodide may rarely cause over activity of the thyroid gland, under activity of the thyroid gland, or enlargement of the thyroid gland (goiter).

3 **IF** authorization for KI administration has been obtained from the SEC, **THEN** verify consent from individual(s) via Data Sheet 5, KI Consent Form.

3.1 **IF** individual is NOT is not available to sign a Data Sheet 5, KI Consent Form, **THEN** provide KI side effect information and obtain consent to take KI via telecom.

3.1.1 Indicate on Data Sheet 5, KI Consent Form, that consent has been obtained and who received that consent.

3.2 When the individual is available have that person sign Data Sheet 5, KI Consent Form.

3.3 All personnel remaining on site includes:

- TSC personnel – administered and tracked by the SEC/RAC

- OSC personnel – administered and tracked by the OSC Manager/RPD

- Control Room personnel – administered and tracked by the SM/designee

- Security staff – administered and tracked by the Security Director/SSS

- All other personnel that have not been evacuated – administered and tracked by the ERO facility Manager/designee.

3.4 Provide KI dosage and side effects of KI to individuals. _____

4 **IF** consent has been given, **THEN** administer KI per the instruction of the RAC or RPD. _____

4.1 KI is located in the Control Room, TSC, OSC and designated Security locations.

NOTE:	KI is normally taken once per day for 10 days.

5 Return the completed KI Consent Form to RP upon completion of KI administration. _____

Alert Classification Checklist

NOTE:	**IF** the EOF has been activated, **THEN** the Emergency Director is responsible to perform upgrades of emergency classification levels.

1 Classify events in accordance with PMP-2080-EPP-101, Emergency Classification.

2 Following upgrade of the emergency classification level:

2.1 Record the time of the classification and the emergency condition category.

- **ALERT** declared at _____ (Time Declared) + 15 min = _____ (Notifications to be completed) ❑
  - Record time of declaration on status board ❑
  - Record required time for EMD-32a transmittal on status board ❑
  - Post ALERT sign on whiteboard ❑

2.2 Update the Shift Manager, Control Room Communicator and TSC staff of the time of classification upgrade.

2.3 Evaluate dismissal of non-essential personnel from the site.

CAUTION:	When Security EALs are used to classify an event, plant PA announcements and sounding of the NEA may not be appropriate.

3 Direct the Shift Manager to perform the following:

- Direct notification of offsite agencies as specified in PMP-2080-EPP-100, Emergency Response. ❑
- Initiate plant public address announcements and sound plant Alarm(s) as specified in the Control Room procedures. ❑
- Submit EMD-32a, Nuclear Plant Event Notification, within 15 minutes following upgrade, if the EOF is not yet activated. ❑

4 Conduct a facility brief.

Site Area Emergency Classification Checklist

NOTE: **IF** the EOF has been activated, **THEN** the Emergency Director is responsible to perform upgrades of emergency classification levels.

1 Classify events in accordance with PMP-2080-EPP-101, Emergency Classification.

2 Following upgrade of the emergency classification level:

2.1 Record the time of the classification and the emergency condition category.

- **SAE** declared at _____ + 15 min = _____ ❑
  Time Declared — Notifications to be completed
  - Record time of declaration on status board ❑
  - Record required time for EMD-32a transmittal on status board ❑
  - Post SAE sign on whiteboard ❑

2.2 Update the Shift Manager, Control Room Communicator and TSC staff of the time of classification upgrade.

2.3 Direct the Security Director to initiate Site Accountability when security concerns will not place plant personnel at risk.

2.4 Evaluate dismissal of non-essential personnel and site evacuation as appropriate.

CAUTION: When Security EALs used to classify an event, PA announcements and sounding of the Nuclear Emergency Alarm (NEA) may not be appropriate.

3 Direct the Shift Manager to perform the following:

- Direct notification of offsite agencies as specified in PMP-2080-EPP-100, Emergency Response. ❑
- Sound the NEA and initiate plant Public Address System as specified in the PMP-2080-EPP-100, Emergency Response, when security concerns will not place plant personnel at risk. ❑
- Submit EMD-32a, Nuclear Plant Event Notification, within 15 minutes following upgrade, if the EOF is not yet activated. ❑

4 Conduct a facility brief.

General Emergency Classification Checklist

NOTE:	**IF** the EOF has been activated, **THEN** the Emergency Director is responsible to perform upgrades of emergency classification levels and to issues PARs.

1 Classify events in accordance with PMP-2080-EPP-101, Emergency Classification.

2 Following upgrade of the emergency classification level:

2.1 Record the time of the classification, the emergency condition category and PAR.

- **GE** declared at _____ + 15 min = _____
  Time Declared Notification to be completed ❑
- Record declaration time on status board. ❑
- Record required time for EMD-32a transmittal on status board. ❑
- Post the GENERAL EMERGENCY sign on whiteboard. ❑
- Draw areas affected by PAR and Protective Actions Implemented (PAI) onto EPZ maps. ❑

2.2 Update the Shift Manager, Control Room Communicator and TSC staff of the time of classification upgrade and PAR.

CAUTION:	When Security EALs used to classify an event, PA announcements and sounding of the Nuclear Emergency Alarm (NEA) may not be appropriate.

3 Direct the Shift Manager to perform the following:

- Direct notification of offsite agencies as specified in PMP-2080-EPP-100, Emergency Response. ❑
- Sound the NEA, if not previously performed, and initiate Public Address System announcements as specified in PMP-2080-EPP-100, Emergency Response. ❑
- Submit EMD-32a, Nuclear Plant Event Notification, within 15 minutes following upgrade, if the EOF is not yet activated. ❑

4 Conduct a facility brief.

Shift Turnover Checklist

☐ UNIT 1 ☐ UNIT 2

1. Current Emergency Classification Time Declared _____ EALs

☐ Unusual Event _____ _____
☐ Alert _____ _____
☐ Site Area Emergency _____ _____
☐ General Emergency _____ _____

Upgrade Criteria _____

Radioactive Release in Progress ☐ Yes ☐ No
☐ Airborne ☐Waterborne Source: _____

2. Protective Actions:

☐ In-plant Local area evacuation Time: _____
☐ Dismissal of non-essential Time: _____
☐ Site evacuation Time: _____
☐ Site closed to visitors Time: _____
☐ Accountability Time: _____
☐ All personnel accounted for.

☐ Missing personnel # _____ missing

☐ Offsite protective action:

	Recommended		State Ordered	
	Areas:	Time	Areas	Time:
☐ Evacuation				
☐ Shelter				

3. Plant Operational Status

☐ Reactor trip: Time: _____ Trip signal: _____

☐ ESF Status:
- ☐ Containment Isolation
- ☐ Containment Spray (CTS)
- ☐ Containment Hydrogen Recirc Fans
- ☐ Distributed Ignition System

☐ Critical Safety Function Status Tree:

☐ Core Cooling	☐ Red	☐ Orange	☐ Yellow	☐ Green
☐ Heat Sink	☐ Red	☐ Orange	☐ Yellow	☐ Green
☐ RCS Integrity	☐ Red	☐ Orange	☐ Yellow	☐ Green
☐ Containment	☐ Red	☐ Orange	☐ Yellow	☐ Green

NOTE: Following a Loss of Coolant Accident, Safety Injection pumps are susceptible to excessive vibration due to increased clearances within the pump from debris-laden fluid wear after approximately 15 days; per UFSAR Chapter 14, SI pump function is not needed after 30 hours following a Loss of Cooling Accident.

3.1 **IF** any Safety Injection (SI) pumps (1-PP-26S or 1-PP-26N or 2-PP-26S or 2-PP-26N) are running, **THEN** have the Plant Evaluation Team determine when pumps should be secured.

3.1.1 As applicable, coordinate with the Emergency Director to contact the Shift Manager or affected Unit Supervisor to arrange for securing any SI pump per Step 3.1.

4. Plant Status

a. Chronology of Events

Time	Event

b. Current Plant Conditions

_____

_____

_____

_____

c. Mitigating Actions Taken or Underway

_____

_____

_____

_____

5. Injured or Contaminated Personnel:

Name	Employer	Status

6. Off-site Support requested or activated:

☐ Medical

☐ Fire Department

☐ Local Law Enforcement

☐ Hospital

☐ Lakeland Regional Medical Center, St. Joseph

☐ Niles Community Hospital

7. Emergency Response Teams

Team #	Task	Status

Team Number _____ Priority _____

TIME/DATE _____/_____

MISSION DETAILS:

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

REASON FOR TEAM: _____
_____
_____

ADDITIONAL INFORMATION: _____

APPROVED: _____ _____/_____
SEC TIME DATE

TRANSMITTED TO OSC: _____/_____
TIME DATE

Unit No. _____ Date _____ Time _____

Data Collected by _____ Reviewed by _____

	ALARMS / TRENDS	MONITOR	CURRENT READING	UNITS	LOCATION
	(ALARMS; (H) High, (A) Alert, (F) Fail, etc. TREND: ↑ Increase, ↓ Decrease, ↔ Steady)				
1	/	VRS-1101 / 2101		mR/h	Upper CTMT Area
2	/	VRS-1201 / 2201		mR/h	Upper CTMT Area
3	/	VRA-1310 / 2310		R/h	Upper CTMT High Range Area
4	/	VRA-1410 / 2410		R/h	Lower CTMT High Range Area
5	/	ERS-1301 / 2301		µCi	Lower CTMT Airborne Part.
6	/	ERS-1303 / 2303		µCi	Lower CTMT Airborne Iodine
7	/	ERS-1305 / 2305		µCi/cc	Lower CTMT Airborne LRNG
8	/	ERS-1307 / 2307		µCi/cc	Lower CTMT Airborne MRNG
9	/	ERS-1309 / 2309		µCi/cc	Lower CTMT Airborne HRNG
10	/	ERS-1401 / 2401		µCi	Lower CTMT Airborne Part.
11	/	ERS-1403 / 2403		µCi	Lower CTMT Airborne Iodine
12	/	ERS-1405 / 2405		µCi/cc	Lower CTMT Airborne LRNG
13	/	ERS-1407 / 2407		µCi/cc	Lower CTMT Airborne MRNG
14	/	ERS-1409 / 2409		µCi/cc	Lower CTMT Airborne HRNG
15	/	VRS-1501 / 2501	/	µCi	Unit Vent Effluent Particulate
16	/	VRS-1503 / 2503	/	µCi	Unit Vent Effluent Iodine
17	/	VRS-1505 / 2505	/	µCi/cc	Unit Vent Effluent LRNG
18	/	VRS-1507 / 2507	/	µCi/cc	Unit Vent Effluent MRNG
19	/	VRS-1509 / 2509	/	µCi/cc	Unit Vent Effluent HRNG
20	/	MRA-1601 / 2601		µCi/cc	S/G PORV Loop 1
21	/	MRA-1602 / 2602		µCi/cc	S/G PORV Loop 4
22	/	MRA-1701 / 2701		µCi/cc	S/G PORV Loop 2
23	/	MRA-1702 / 2702		µCi/cc	S/G PORV Loop 3
24	/	SRA-1805 / 2805		µCi/cc	Gland Steam Leak off LRNG
25	/	SRA-1807 / 2807		µCi/cc	Gland Steam Leak off MRNG
26	/	SRA-1809 / 2809		µCi/cc	Gland Steam Leak off HRNG
27	/	SRA-1905 / 2905		µCi/cc	Steam Jet Air Ejector LRNG
28	/	SRA-1907 / 2907		µCi/cc	Steam Jet Air Ejector MRNG
29	/	SRA-1909 / 2909		µCi/cc	Steam Jet Air Ejector HRNG
30	/	DRS-3101 / 4101		µCi	S/G Blowdown
31	/	DRS-3201 / 4201		µCi	S/G Blowdown Treatment
32	/	SFR-1810 / 2810		CFM	Gland Steam Leak off Flow
33	/	SFR-1910 / 2910		CFM	Steam Jet Air Ejector Flow
34	/	VFR-1510 / 2510	/	CFM	Unit Vent Effluent Flow
35	/	Wind Speed		MPH	
36	/	Wind Direction		° (From)	
37	/	Air Temp. Δ T		° F	

DOSE RATES IN AREAS OF THE PLANT:

650' SFP Area _____
633' Hallway _____
609' Hallway _____
587' Hallway _____
573' Hallway _____
609' Access Control _____
Emergency Sampling _____
U1 591' BDFT Area _____
U2 591' BDFT Area _____

OTHER:

Request Date: _____ Time: _____

Estimated Dose Rate: _____

Estimated Stay Time: _____

Estimated Task Dose: _____

Reason for Dose Extension Request: _____

_____

NOTE: Any extension limit >25 rem requires the signature of the individual next to his/her name indicating:

- Dose is voluntary
- Individuals have reviewed, understand, and are aware of the medical risks involved
- Individuals have been given the opportunity to refuse the extension with no repercussions

Name	ACAD or SSN	Dose Extension Limit	Current Incident Dose

Health effects associated with whole body dose provided by:

_____/_____

Name Date/Time

Radiological Assessment Coordinator: _____ Date/Time: _____
Approval Authority (Non-Delegable Signature)

Site Emergency Coordinator: _____ Date/Time: _____
Approval Authority (Non-Delegable Signature)

Date: _____

#	Time	Trans mitted	Recvd	TSC	EOF	OSC	State EOC	BCEOC	ENC /JIC	NRC	Control Room	Other	Document Type	Initials

WHO SHOULD NOT TAKE POTASSIUM IODIDE TABLETS

The only people who should not take potassium iodide are people who know they are allergic to iodide. You may take potassium iodide even if you are taking medicines for a thyroid problem (for example, a thyroid hormone or anti-thyroid drug). Pregnant and nursing women, babies, and children may also take this drug.

SIDE EFFECTS: Usually side effects of potassium iodide happen when people take higher doses for a long time. You should be careful not to take more than the recommended dose or take it longer than you are told. Side effects are unlikely because of the low dose and the short time you will be taking the drug.

Possible side effects include skin rashes, swelling of the salivary glands, and "iodism" (metallic taste, burning mouth and throat, sore teeth and gums, symptoms of a head cold, and sometimes stomach upset and diarrhea).

A few people have had an allergic reaction with more serious symptoms. These could be fever and joint pains; swelling of parts of the face and body and at times severe shortness of breath requiring immediate medical attention.

Taking iodide may rarely cause over activity of the thyroid gland, under activity of the thyroid gland, or enlargement of the thyroid gland (goiter).

WHAT TO DO IF SIDE EFFECTS OCCUR: If side effects are severe or a possible allergic reaction occurs, notify plant RP or your immediate supervisor.

DOSAGE: Take one tablet a day for a total period of ten (10) days. Report to RP each day to receive your KI dose or take it on your own if RP gave the whole packet to you.

INDIVIDUAL RIGHTS: The use of KI as a thyroid blocking agent is voluntary. If you have a known allergy to iodide or iodine, do not participate in this activity. If you choose to participate, you must complete this KI CONSENT FORM.

Consent received via telecom Yes ❑ No ❑ By:_____ Date_____

I, _____, volunteer to receive 130 milligrams per day of the thyroid blocking agent potassium iodide (KI), for a period of the next ten (10) consecutive days. I have been informed of the intent and possible consequences of the use of potassium iodide.

Signature: _____ Date: _____

Dosage/Date Taken: 1 / _____, 2 / _____, 3 / _____, 4 / _____, 5 / _____,

6 / _____, 7 / _____, 8 / _____, 9 / _____, 10 / _____

RP Supervisor/Engineer Review: _____
Upon completion of KI Administration

Reason for KI administration:

_____

_____

_____

KI administration is authorized by the SEC:

_____ / _____

SEC Time / Date

Notification to distribute KI made to:

- ❑ TSC
- ❑ OSC
- ❑ Control Room
- ❑ Security
- ❑ EOF (for Radiation Monitoring Teams)

TERM	MEANING
ARAC	Assistant Radiological Assessment Coordinator
CAS	Central Alarm Station
DAM	Data Acquisition Module
EAD	Environmental Assessment Director (EOF)
ENC	Emergency News Center
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
ERONS	Emergency Response Organization Notification System
ERDS	Emergency Response Data System
ERO	Emergency Response Organization
GE	General Emergency
JIC	Joint Information Center
KI	Potassium Iodide (thyroid blocking agent)
NEST	Nuclear Engineering Services and Test building
OSC	Operations Support Center
PAR	Protective Action Recommendation
PET	Plant Evaluation Team
PPC	Plant Process Computer
PSS	Plant System Server, PPC data that is available on the Business LAN
RAC	Radiological Assessment Coordinator
RMS	Radiation Monitoring System

TERM	MEANING
SAE	Site Area Emergency
SAS	Secondary Alarm Station
SEC	Site Emergency Coordinator
Skills Supervisor	The positions of skill supervisor for Maintenance, Instrumentation and Control, Chemistry, Radiation Protection, and Fire Brigade Leader are held by the respective supervisors.
TSC	Technical Support Center
UE	Unusual Event

The position descriptions provided are intended as guidance. Deviations and additions to these descriptions are allowed as long as the accomplished objectives can be achieved.

Assistant SEC

- Ensures all TSC staff carry out their assigned functions;
- Ensures timely exchange of information within the TSC staff and among interfacing facilities;
- Manages the activities of the Plant Evaluation Team (PET);
- Works with the Operations Support Center Manager to implement repair and corrective action activities;
- Interfaces with the SEC on matters such as emergency classification and on-site actions in progress.
- Fulfills SEC duties in the absence of the SEC.

Control Room Communicator

- Establish telephone communications with the OSC, TSC and EOF via the 2090 telephone bridge circuit;
- Obtain plant status and precursor events pertinent to the emergency from the SM/SEC. Report this information to the OSC, TSC and EOF via the bridge circuit;
- Following updates from the SM/SEC, report to the OSC, TSC and EOF what personnel have been dispatched from the Control Room;
- Inform the OSC, TSC and EOF of current and changing plant status and procedures in use;
- Report the status of Damage Control Teams dispatched form the OSC, to the SM/SEC as updated via the bridge circuit. If not provided, request Damage Control Team status approximately every 15 minutes;
- Forward all requests for information or assistance to the TSC and EOF. Inform the SM/SEC of any information or assistance requested of the Control Room by the TSC or EOF;
- Inform the Control Room of any change in the Emergency Plan classification when the declarations are made at the TSC or EOF;
- Inform the TSC and EOF of any change in the Emergency Plan classification or turnover of SEC duties made in the Control Room.

Computer Analyst

- Analyze plant conditions as a member of the PET;
- Recommend actions as a member of the PET;
- Assist TSC personnel with operation of PPC/PSS and other computer hardware, start PPC/PSS sessions, retrieve MIDAS, RMS trend and historical data, and starting ERDS;
- Perform technical assistance associated with plant computer equipment as requested, rebooting terminals, rebooting PPC/PSS, clear RWST processes, CDAL a locked terminal, reboot PPC and describe the impact of computer equipment problems on operability and functionality.

PET – Maintenance Engineer

- Analyze plant conditions as a member of the PET;
- Recommends mitigating actions as a member of the PET;
- Assess affected unit critical parameter on the PPC/PSS;
- Evaluate plant conditions and equipment needs as necessary to assist the Maintenance personnel at the OSC.

PET – Operations

- Validate the Emergency Plan classification and evaluate the potential for escalation as directed/requested by the SEC;
- Recommend PAR upon declaration of a GENERAL EMERGENCY as directed/requested by the SEC;
- Interact with Control Room personnel to support task assignment prioritization for OSC Damage Control Teams;
- Follow Control Room progress through the EOPs to validate procedure use and /or propose alternative strategies;
- Review upcoming EOPs to anticipate Control Room task and equipment needs. Make task prioritization recommendations to the SEC;
- Propose equipment restoration strategies to the SEC.

PET – Reactor Physics Analyst

- Provide an independent technical analysis of plant conditions;
- Develop corrective action recommendations;
- Provide technical assistance to Operations personnel when requested.

PET – Operations Training

- Validate Emergency Plan classification and investigate potential for escalation as directed/requested by the SEC;
- Propose PAR upon declaration of a GENERAL EMERGENCY as directed/requested by the SEC;
- Interact with RAC to obtain radiological release data and dose assessment projections;
- Interact with PET – Reactor Physics Analyst to obtain assessment of fuel damage/status;
- Interact with Control Room personnel to prioritize task assignments for OSC Damage Control Teams;
- Follow Control Room progress through the EOPs to validate procedure use and/or propose alternate strategies;
- Review upcoming EOPs to anticipate Control Room task and equipment needs. Advise the SEC on task prioritization;
- Propose equipment restoration strategies via the SEC;
- Review data being copied and transmitted for accuracy;
- Operation the PPC/PSS to: assess system conditions; assess the status of critical safety functions; verify containment isolation status; obtain and trend radiation monitoring system data; and perform shutdown margin calculations.

Radiological Assessment Coordinator and Assistant RAC

- Provides expertise in the area of radiation protection to the PET and Assistant SEC;
- Provides assistance to the Radiation Protection Director in determination of protective actions for on-site personnel, including emergency response teams. These protective action determinations include:
  - Assembly/evacuation of non-essential personnel,
  - Evacuation of on-site emergency response facilities due to adverse radiological conditions,
  - Administration of KI.
- Determines staffing needs in the area of radiation protection and informs the SEC/Assistant SEC of deficiencies in this area.
- Obtains the approval of the Site Emergency Coordinator (SEC) for individuals to exceed the dose limits specified in 10 CFR 20.
- Periodically assesses TSC radiological habitability and makes recommendations to the SEC/Assistant SEC for facility evacuation if necessary.
- Obtains RMS data from the Control Terminal or directly from radiation monitors when the PPC/PSS is unavailable. Applicable data is transcribed on the Radiation Monitoring System Data Sheet for transmission to the EOF and applicable public information center (ENC/JIC).

Security Director

- Initiates and oversees Security actions for site personnel assembly and accountability when requested by the SEC.
- Initiates and oversees Security actions for evacuation of site personnel when requested by the SEC.
- Interface with the Incident Command Post Liaison to provide information and updates necessary to address Security priorities.

Site Emergency Coordinator

- Reviews the emergency situation with the Shift Manager.
- Assumes the Site Emergency Coordinator responsibilities from the Shift Manager for overall management of plant and emergency response functions, and assures that proper actions are being taken to mitigate the event.
- Ensures that the proper State/County authorities, NRC and AEP officials are notified.
- Makes recommendations to State/County authorities responsible for offsite emergency measures during the initial phase of the nuclear incident prior to activation of the EOF.
- Orders the assembly, accountability, and evacuation of all non-essential plant personnel upon the declaration of a Site Area Emergency (or higher) classification, or at a lower classification if deemed prudent by SEC judgment. (Accountability may be performed via the plant exit turnstiles, rather than assembly areas, if so designated by the SEC.)
- Grants approval of PET requests for OSC team actions.
- Prioritizes OSC team missions by importance.
- Orders the evacuation of the TSC for habitability concerns, if necessary, and relocation or evacuation of TSC personnel.
- Authorizes dose extensions.
- Authorizes KI administration.
- Relinquishes all TSC and Control Room responsibilities and functions relative to Classification, Notification, and PARs upon activation of the EOF.

TSC Administrative Coordinator

- Directs and coordinates communications activities in the TSC, including providing direction to the FAX Administrative Support, Board Writer, and TSC Team Coordinator;
- Duplicates and distributes hard copy documents within the TSC;
- Transmits hard copy documents to the EOF or ENC/ JIC;
- Acquires technical documents (prints, procedures, technical manuals, etc.) at the request of the Plant Evaluation Team.
- Compiles information to be reported off-site from the PET and RAC;
- Obtains approval of the SEC/Assistant SEC prior to releasing any information off-site.
- Announces information over the plant Public Address system as directed by the SEC/Assistant SEC.
- Assigns a TSC member to act as a Scribe in updating the Plant Status Board in the event that the PPC/PSS is not functioning. (It is suggested that the PET-Training representative perform this function.)

TSC Administrative Support

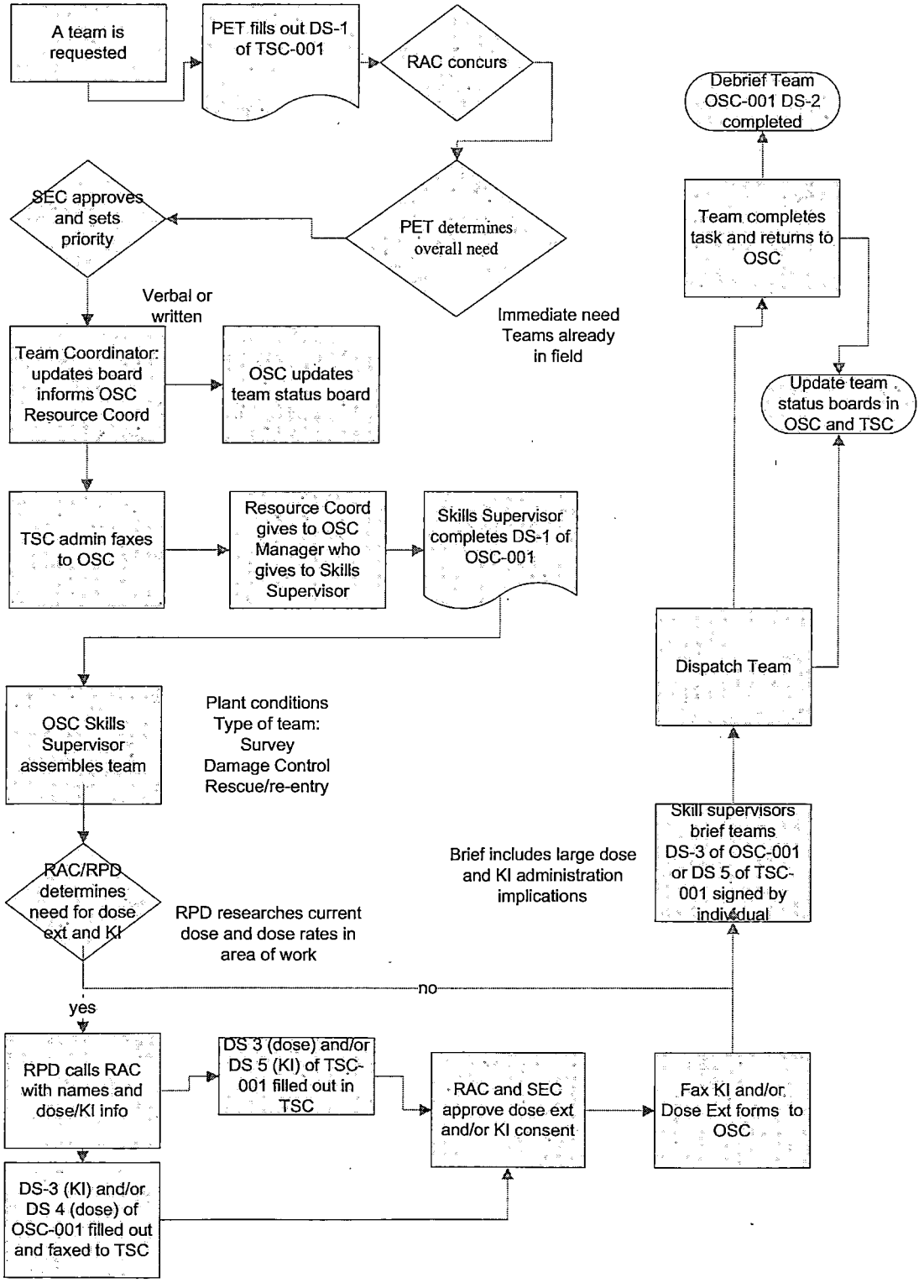
- Transmission of hard copy documents from the TSC to the EOF and/or OSC;
- Transmission of hard copy documents from the TSC to the ENC/JIC as appropriate (see Attachment 5, Document Transmission/Distribution, for documents that are "routinely" transmitted).
- Hand carries documents between the TSC and Control Room (conditions permitting);
- Duplicates and distributes documents within the TSC;
- Performs general administrative tasks as directed by the Administrative Coordinator (see Attachment 5, Document Transmission/Distribution for documents that are "routinely" distributed).

TSC Board Writer

- Maintains the chronological event status board based upon information obtained from the Control Room Communicator and as deemed necessary by the Assistant SEC;
- Communicates information from the TSC to the EOF and Control Room, including status/activities of the OSC;
- Relays incoming messages/requests to the applicable TSC member when requested by the Control Room or EOF.

TSC Team Coordinator

- Communicates directions regarding team disposition from the Assistant SEC or SEC to the OSC;
- Receives status reports on emergency response teams from the OSC and provides this information to the TSC.
- Relays messages from the OSC to the applicable TSC personnel.


A team is requested
PET fills out DS-1 of TSC-001
RAC concurs
Debrief Team OSC-001 DS-2 completed
SEC approves and sets priority
PET determines overall need
Team completes task and returns to OSC
Verbal or written
Immediate need Teams already in field
Team Coordinator: updates board informs OSC Resource Coord
OSC updates team status board
Update team status boards in OSC and TSC
TSC admin faxes to OSC
Resource Coord gives to OSC Manager who gives to Skills Supervisor
Skills Supervisor completes DS-1 of OSC-001
Dispatch Team
OSC Skills Supervisor assembles team
Plant conditions
Type of team:
Survey
Damage Control
Rescue/re-entry
Skill supervisors brief teams DS-3 of OSC-001 or DS 5 of TSC-001 signed by individual
Brief includes large dose and KI administration implications
RAC/RPD determines need for dose ext and KI
RPD researches current dose and dose rates in area of work
no
yes
RPD calls RAC with names and dose/KI info
DS 3 (dose) and/or DS 5 (KI) of TSC-001 filled out in TSC
RAC and SEC approve dose ext and/or KI consent
Fax KI and/or Dose Ext forms to OSC
DS-3 (KI) and/or DS 4 (dose) of OSC-001 filled out and faxed to TSC

REVISION SUMMARY

Procedure No.: RMT-2080-TSC-001 Rev. No.: **24**

Title: Activation and Operation of the TSC

Alteration	Justification
This procedure implements a portion of the Cook Emergency Plan, which is wholly-governed under 10 CFR 50.54(q) and RMA-2080-EPA-008, Emergency Plan Management; therefore a 10 CFR 50.59 review is not required. The changes in this revision also do not involve a change to the ISFSI facility, spent fuel cask design or procedures that affect the design function, or method of performing, controlling or evaluating the design function. As such, a 10 CFR 72.48 review is not required to this procedure alteration. A 10 CFR 50.54(q) review was performed. The 10 CFR 50.54(q) number is referenced in the workflow for this procedure revision. The conclusion of the 50.54(q) was that the changes in this revision do continue to comply with the requirements of §50.47(b) and §50 Appendix E **and** the changes do not constitute a reduction in effectiveness. Therefore, this procedure revision can be implemented without prior NRC approval.	
Replaced TSOC with NEST throughout the procedure. Added NEST to Figure 1, Definitions and Abreviations	Relocation of most personnel from the TSOC to the NEST and removing TSOC from site. Editorial Correction Criteria 'l'. OIC 20013481-14

REVISION SUMMARY

Procedure No.: RMT-2080-TSC-001 Rev. No.: 24
Title: Activation and Operation of the TSC

IMPLEMENTATION PLAN

Summary of Change—
See Revision Summary above.

Reason for Change
See Revision Summary above.

Implementation Schedule
Editorial correction PORC exemption is not required.
Effective date week of 6/20/2016

Training Needs
None

Expiration Date
N/A

Required Basis Documents Update
None

Related Processes and Procedures
RMT-2080-OSC-001
RMT-2080-EOF-001
RMT-2080-JIC-001

Transition Plan
None

Related Equipment Modifications
None

Communication Plan
None

Special Tools, Aids, Permits, Etc.
None

Related Condition Reports
See Rev summary

Office Information for Form Tracking Only - Not Part of Form
This is a free-form as called out in PMP-2010-PRC-002, Procedure Alteration, Review, and Approval.