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13.14.11	014/001

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PLANT PROCEDURES MANUAL	PCN#: N/A
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DESCRIPTION OF CHANGES

Justification (required for major revision)
Revision 14 adds the definition of Alternate Method to the Definitions section and provides an explanation of reportability exceptions for planned maintenance. This revision also adds the alternate method for "SEIS-COMP-NCC".

Page(s)	**Description (including summary, reason, initiating document, if applicable)**
4	Description added to state this procedure is not an EPIP.
11	Adds the definition of Alternate Method to the Definitions section and provides an explanation of reportability exceptions for planned maintenance.
15	Deleted extraneous language in Alternate Indication and / or Compensatory Measure coluum of "Annunciator P851.S1-5.1" EPN entry.
28	Added "ABN-EARTHQUAKE is an Alternate Method" to the Comments columm of the "SEIS-COMP-NCC" EPN entry.
42	Minor Rev 1 Changed "Portal J" to generic "Computer" and removed comment about CPU and Monitor.

TABLE OF CONTENTS

1.0 PURPOSE

The purpose of this document is to ensure when equipment important to emergency response is removed from service for maintenance or is in a degraded condition, the correct restoration priority is assigned, compensatory measures are implemented, and the equipment is promptly restored to a functional condition.

This procedure provides identification of Important Emergency Preparedness (EP) related equipment. The equipment identified in this procedure is essential to implementation of the Emergency Plan.

For Emergency Response Facilities (ERFs) and associated equipment that are not included in the station work management process, the corrective action process is used to ensure issues are identified and corrected.

The information and direction in this procedure applies to on-site and off-site equipment and facilities normally operated or maintained by Columbia Generating Station that are necessary to meet the requirements of the Emergency Plan. This procedure does not implement the Emergency Plan but provides guidance for compensatory measures and Alternate Methods for EP equipment which is non-functional.

2.0 RESPONSIBILITIES

2.1 Emergency Preparedness Manager

The Manager, Emergency Preparedness is responsible to assure that Important EP-related equipment is identified and repairs are executed expeditiously as necessary.

2.2 Shift Manager

The Shift Manager is responsible for ensuring that a Condition Report and/or Work Request is generated for Equipment identified in Attachment 8.1 and 8.2 of this procedure, and to ensure identified compensatory actions are put in place.

2.3 Work Control Manager

The Work Control Manager is responsible to assure that deficient conditions of Important EP-related equipment are appropriately prioritized and scheduled to be corrected promptly in the corrective maintenance program.

2.4 Emergency Planners

The Emergency Planners are responsible to assure issues with Important EP-related equipment are identified for correction.

2.5 Unit Coordinator (Work Control)

Unit Coordinators are responsible to assign appropriate repair priorities to assure that Important EP equipment is factored into the daily work schedule for expeditious repair and return to service.

2.6 Corrective Action Program Manager

Responsible for ensuring that the corrective action program supports the tracking and trending of deficiencies related to EP equipment.

2.7 Design Engineering Manager

Responsible for ensuring that the design change process identifies any impacts to emergency plan commitments and emergency response capabilities.

2.8 Regulatory Affairs Manager

Responsible for providing guidance on compliance with the station licensing basis and related reportability issues.

NOTE: The Emergency Plan is designed as a last line of defense to address design basis accident events at a nuclear power plant, including the capability of protecting public health and safety during and following the accident. Therefore, regulations that govern EP equipment may require more timely restoration than technical specifications or other administrative controls. This procedure provides identification of Important Emergency Preparedness related equipment. The equipment identified in this procedure is essential to implementation of the Emergency Plan.

3.0 DISCUSSION

3.1 INPO 10-007, Equipment Important to Emergency Response, was used as guidance in the development of this procedure. The information contained in this procedure assists Information Technology (IT), Maintenance, and Facilities planners in identifying Important EP equipment and assigning appropriate repair priority to assure prompt return to service of any EP-related component identified here.

3.1.1 Equipment with an identified EPN is listed in Attachment 8.1.

3.1.2 IF there is no EPN, THEN reference Attachment 8.2 to determine if the affected equipment impacts the ability of the ERF to function (i.e. power, HVAC, communications).

3.1.3 Items specific to an Emergency Center are listed in Attachments 8.3 through 8.7. These items will impact the Centers ability to function but will NOT render the center non-functional.

3.2 Regulatory guidance provided by the Nuclear Energy Institute (NEI) in their guidance NEI 13-01, which was endorsed by the NRC in NUREG 1022 Revision 3, differentiates between "Methods" and "Compensatory Measures," as applicable to the context in which these terms are used for equipment and facilities important to EPlan functions. Those definitions are included here verbatim as they appear in the NEI 13-01 guidance, so that their significance with respect to EPlan functions and EPlan event notifications is understood.

3.2.1 METHOD: A means that could be employed to perform an emergency response function as described in the site emergency plan or an implementing procedure described in the emergency plan. [*Site emergency plans and implementing procedures typically describe primary and one or more alternate methods for performing a given function. Provided that at least one METHOD is available, then the ability to perform the associated function has not been lost.*]

3.2.2 COMPENSATORY MEASURE: A temporary means, established as part of a planned activity, to perform a given emergency response function during a period when the normally used methods are unavailable such that, when implemented, there is a reasonable expectation that the function would be accomplished during an actual emergency, albeit in a possibly degraded manner. [*A COMPENSATORY MEASURE need not meet the same design or operating requirements as the normally used methods but must be sufficient to support effective implementation of the site emergency plan. Also refer to the related term "VIABLE."*]

3.2.3 VIABLE: A COMPENSATORY MEASURE that (1) can restore a required function in a reasonably comparable manner and (2) is proceduralized prior to an event. [*Proceduralized means that the necessary instructions to perform a function exist in a document (e.g., a procedure, a user aid, a night or standing order, etc.) that will be followed by response personnel should an emergency occur. Further, individuals expected to implement the COMPENSATORY MEASURE must be aware of the measure, in advance of its potential or actual implementation. A VIABLE COMPENSATORY MEASURE does not include reliance upon "skill-of-the-craft" or individual judgment.*]

4.0 PROCEDURE

4.1 Discovery of Degraded or Nonfunctional Equipment Important to Emergency Response (Unplanned Loss)

See Attachment 8.8, Flowchart: Unplanned Loss of Equipment Important to EP. This illustrates the process for addressing an unplanned loss of equipment, such as unplanned maintenance.

NOTE: This section pertains to unanticipated degradation or failure of equipment important to emergency response.

4.1.1 Generate a Condition Report and prioritize to restore function. This allows tracking and trending, as well as ensuring timely repair. The priority given to these actions should be commensurate with the significance of the impact on the associated emergency response function.

NOTE: Compensatory Measures identified in this procedure, which is not an Emergency Plan Implementing Procedure (EPIP), may or may not be acceptable Alternate Methods unless so recognized in another EPIP. See PPM 1.10.1, Notifications and Reportable Events, for potential notifications on loss of EP equipment.

4.1.2 Compensatory measures associated with the degraded or nonfunctional equipment can be found in the attachments to this procedure.

4.1.3 IF the equipment is INPO 10-007 Category A1 or Category A2 equipment, THEN implement identified compensatory measures.

a. The Shift Manager will implement compensatory measures to address the loss of plant equipment necessary to implement the station emergency plan. The compensatory measures should be documented in the Inop. Equip/LCO/RFO Log section of the Operations Logging System.

b. The status of out-of-service equipment can be obtained from the Operations Logging System Out of Service EPNs report.

c. Evaluate the loss of response capability. If the function requires more time to implement or cannot be implemented, evaluate the reportability requirements.

d. The Shift Manager coordinates with the licensing/regulatory affairs staff to evaluate Nuclear Regulatory Commission (NRC) reporting requirements for out-of-service EP equipment per PPM 1.10.1.

4.1.4 For INPO 10-007 Category B equipment:

a. Verify the availability of redundant equipment for degraded or nonfunctional Category B equipment. If redundant equipment is not available, then the equipment should be reevaluated as Category A1 or Category A2 equipment.

b. Category B equipment is allowed to be out of service provided redundant equipment is available to maintain the emergency response function.

c. Notify emergency response personnel of the degraded condition and the compensatory measures in effect.

4.2 Removal Of Equipment From Service For Planned Maintenance (Planned Loss)

See Attachment 8.9, Flowchart: Planned Loss of Equipment Important to EP. This illustrates the process for addressing a planned loss of equipment.

NOTE: A rigorous work management process, which includes guidance for EP equipment, is essential to ensure that maintenance is completed and that the equipment is restored to service expeditiously.

4.2.1 Individuals who are trained on and knowledgeable of emergency plan requirements should help evaluate equipment configuration changes that may impact emergency plan functions or EAL assessment capabilities.

4.2.2 For INPO 10-007 Category A1 or Category A2 equipment, ensure compensatory measures are in place before equipment is removed from service for planned maintenance. Ensure the compensatory measure is controlled in accordance with PPM 13.14.11, PPM 1.3.68, or WCI-4.

a. Evaluate the loss of response capability. If the function requires more time to implement or cannot be implemented, evaluate the reportability requirements.

b. The Shift Manager will implement the compensatory measures as soon as practical.

4.2.3 For INPO 10-007 Category B equipment, verify the availability of redundant equipment to ensure the emergency preparedness function is maintained prior to removing the equipment for planned maintenance or testing.

a. Ensure that the equipment being removed from service is not being credited as a compensatory measure for another piece of equipment.

b. When redundant INPO 10-007 Category B equipment is not available to maintain the function, the affected INPO 10-007 Category B equipment is treated as INPO 1-007 Category A equipment.

4.3 Degradation or Loss of Emergency Response Facilities (ERFs)

NOTE: Maintain ERFs, including alternate or backup facilities and their associated equipment, in a state of readiness. The following direction is related to planned maintenance and emergent issues and extends to all ERFs, including primary, alternate, and backup facilities as well as the equipment required to support their operation and habitability. Because of the broad scope of emergency preparedness functions conducted from these facilities, the loss of an ERF can have a significant impact on emergency plan implementation. Restoration of nonfunctional or degraded ERFs requires prompt management attention.

4.3.1 ERF Emergent Issues:

NOTE: Degraded or nonfunctioning equipment associated with these facilities is restored in a timely manner.

a. If primary power is lost to any ERF, then establish emergency power (if available).

b. If power cannot be restored to the ERF, then contact Emergency Preparedness to establish a backup or an alternate ERF (if available).

c. If INPO 10-007 Category B equipment used to perform a specified ERF function is lost or degraded, then verify the availability of redundant equipment. If redundant INPO 10-007 Category B equipment is not available, then treat the equipment as INPO 10-007 Category A.

d. If INPO Category A1 or Category A2 equipment used to perform a specified ERF function is lost or degraded, then implement the appropriate compensatory measures.

e. To ensure effective implementation of the emergency plan, keep the affected members of the emergency response organization informed of changes to ERF status or availability and any associated compensatory measures.

4.3.2 ERF Planned Maintenance

a. Before a facility or its associated support equipment is removed from service, the Emergency Preparedness manager or designee should evaluate equipment and structural configuration changes that may impact Emergency Plan functions.

b. Identify and implement compensatory measures before the facility is removed from service or is otherwise rendered uninhabitable. Minimize the out-of-service time for the facility.

c. Maintenance should inform station management, including EP, of unanticipated delays in restoration.

d. To ensure effective implementation of the emergency plan, keep the affected members of the emergency response organization informed of changes to ERF status or availability and any associated compensatory measures.

4.3.3 ERF Restoration

a. In order to apply the appropriate priority and resources to the restoration effort, the Emergency Preparedness manager or designee notifies station management when the ERF or supporting equipment cannot be restored promptly.

b. Following the restoration of ERF electrical power after an unexpected loss, the center Emergency Planner will walk down the facility to ensure the necessary support functions are available including the following:

- Habitability
- Communications
- Dose assessment
- Lighting and electrical power
- Computers and Intranet
- Technical data acquisition and display

5.0 DOCUMENTATION

None

6.0 DEFINITIONS

6.1 Alternate indication - a backup means of monitoring a parameter or condition that should approximate the primary indication it is replacing.

6.2 Alternate Method - A means that could be employed to perform an emergency response function as described in the site emergency plan or an implementing procedure described in the emergency plan. [Site emergency plans and implementing procedures typically describe primary and one or more alternate METHODS for performing a given function. Provided that at least one METHOD is available, then the ability to perform the associated function has not been lost.] (See PPM 1.10.1 Notifications and Reportibility Events)

NOTE: With regards to Compensatory Measures, a major loss of emergency assessment capability includes those events that would significantly impair the licensee's emergency assessment capability if an emergency were to occur. Planned maintenance which impacts the accident assessment functions of the ERF, or its supporting systems, need not be reported if (1) the ERF's assessment capabilities could be restored to service within the facility activation time specified in the emergency plan in the event of an accident or the licensee had implemented viable compensatory actions, and (2) the planned outage is not expected to, and subsequently did not, exceed 24/72 hours. See PPM 1.10.1 Notifications and Reportibility Events

Compensatory measures should be documented. Examples of acceptable documentation includes procedures, night orders, or work orders instructions or impact statements.

6.3 Compensatory measure - a temporary means of mitigating the degradation or loss of an emergency response function or of maintaining the emergency response function until the equipment is restored to a fully functional condition:

6.3.1 A compensatory measure is the best available means to maintain the emergency preparedness function. Compensatory measures may include the use of redundant equipment.

6.3.2 Compensatory measures are put in place prior to scheduled equipment outages and design modifications and without delay following equipment loss or facility functional failures, to prevent or mitigate any loss of function that could result from the equipment being out of service.

6.3.3 Compensatory measures are incorporated into appropriate station processes, programs, and procedures. The station work management priority criteria appropriately address emergency preparedness equipment. Measures are in place to adjust work priorities when the compensatory measure put in place exceeds the time allowed in the evaluation or when the compensatory measure itself no longer maintains the emergency preparedness function.

6.3.4 Compensatory measures that rely on periodic monitoring also have an event-based trigger that prompts immediate and more frequent monitoring. For example, periodic sampling (such as once per shift) may be used to compensate for a nonfunctional ventilation radiation monitor. However, any increase in elevated area or airborne radiation levels in the affected buildings after the compensatory measure is put in place should trigger immediate and more frequent sampling.

6.4 Critical Digital Assets - Some of the components included in this document may be considered Critical Digital Assets. Contact Cyber Security Assessment Team (CSAT) for further information if necessary.

6.5 Emergency response facility (ERF) - facilities, buildings, and structures necessary to implement the site emergency plan

6.6 Equipment Important To Emergency Response (EP Equipment) -

6.6.1 Systems, structures, and components, as well as essential tools and equipment, necessary to implement the emergency plan.

6.6.2 The level of detail used in determining the functionality of these items should be sufficient to allow the shift manager (SM) or station leadership team members to identify any loss or degradation of function that supports the emergency plan.

6.6.3 Essential tools and equipment include facility computer links to the plant computer, dedicated telephone lines, handheld radiation survey meters, air samplers, and specially equipped radiation monitoring team vehicles. The loss or degradation of these items would result in the loss of an emergency response function, as identified in the emergency plan.

6.6.4 Nonessential tools and equipment are those items that, although useful, would not result in a loss of function or diminish the emergency response capability and that are not considered equipment important to emergency response. Nonessential tools and equipment include emergency response facility fax machines, white boards, furniture, and loudspeakers.

6.7 Functional readiness -

6.7.1 The capability of emergency response facilities and EP equipment to do what they were designed to do

6.7.2 Consult the documents listed in the References section for regulatory guidance related to "unavailable time" and restoration timeliness.

6.8 INPO 10-007 Category A1 equipment - equipment providing the sole indication or with little or no redundancy for a parameter used to assess an emergency action level (EAL) threshold.

6.9 INPO 10-007 Category A2 equipment - equipment providing the sole means of fulfilling an emergency response function.

6.10 INPO 10-007 Category B equipment - equipment having redundant components or trains that fulfill an emergency response function or redundant indications for a parameter used to assess an EAL threshold.

6.11 Loss of function - the inability of a facility, system, or component, including essential tools and equipment, to fulfill its emergency response purpose

6.12 Maintenance actions that restore -

6.12.1 Restoring the capability of an emergency response function by repair, overhaul, or replacement.

6.12.2 This includes servicing, parts replacement, surveillance, modification, and testing as defined in INPO AP-913, *Equipment Reliability Process Description*.

6.12.3 As required by INPO AP-928, *Work Management Process Description*, maintenance activities that impact emergency preparedness equipment, systems, or facilities must be controlled by a work management process specific to the process owner requirements.

6.12.4 This procedure applies to EP equipment that site personnel or their contractors normally control and maintain.

6.13 Plant equipment -

> NOTE: In some cases, the equipment required to maintain emergency preparedness systems may be outside the scope of the plant work management process. In such cases, maintenance or repair of that equipment should be managed under processes applicable to the responsible organization.

6.13.1 Includes components defined by INPO AP-913, *Equipment Reliability Process Description,* as critical, noncritical, or run-to-failure

6.13.2 Plant equipment required to maintain federal or state regulatory compliance or emergency preparedness systems will be included in this grouping. If a component does not have a criticality code assigned per AP-913, the equipment should be considered run-to-failure.

6.14 Timely restoration - Actions site personnel take to return degraded or out-of-service EP equipment to service commensurate with the significance of the associated emergency response function.

7.0 REFERENCES

7.1 INPO 10-007, August 2010 Equipment Important to Emergency Response

7.2 INPO 08-007, Emergency Preparedness Manual

7.3 SWP-MAI-01, Work Management Process Overview

7.4 SWP-SEC-11, Protection of Sensitive But Un-classified Information

7.5 PPM 1.3.68, Work Management Process

7.6 OI-41, Operations Work Control Expectations

7.7 IMC 0609 Appendix B, Emergency Preparedness Significance Determination Process

7.8 INPO AP-913, Equipment Reliability Process Description

7.9 INPO AP 928, Work Management Process Description

7.10 10 CFR 54(q), Code of Federal Regulations

7.11 NUREG 0696, Functional Criteria for Emergency Response Facilities

7.12 WCI-4, Online Work Control Processes

8.13 PPM 1.10.1 Notifications and Reportable Events

8.0 ATTACHMENTS

8.1 EP Related Important Equipment by EPN

8.2 EP Related Important Equipment by Function

8.3 EP Related Important Equipment – TSC

8.4 EP Related Important Equipment – OSC

8.5 EP Related Important Equipment – EOF (Building 34)

8.6 EP Related Important Equipment – Alternate EOF

8.7 EP Related Important Equipment – JIC

8.8 Unplanned Loss of Equipment

8.9 Planned Loss of Equipment

EP RELATED IMPORTANT EQUIPMENT BY EPN

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
Annunciator P602.A5-3.3: "SJAE CONDRS OUTLET RAD Hi Hi"	Off-gas Pretreatment Radiation Hi Hi Alarm.	1 2 3	A1	MU4.1	Establish periodic monitoring of OG-RR-604. Refer to ODCM 6.1.2.1.	Refer to EPN OG-RIS-612 Alternate Method
Annunciator P851.S1-5.1. "OPERATING BASIS EARTHQUAKE"	Operating Basis Earthquake alarm.	1 2 3 4 5 def	B	HU2.1	Establish periodic monitoring of H13 P823 (Board L).	Refer to EPN SEIS-COMP-NCC
AEA-AD-51	TSC M.O. Exhaust Air Damper for AEA-FN-51	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. If a FAZ signal occurs, manually close AEA-AD-51. Otherwise, consider relocating the TSC to the Main Control Room.	
AEA-AD-52	TSC MO Suction Damper for AMA-FN-52.	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. If a FAZ signal occurs, manually open AEA-AD-52. Otherwise, consider relocating the TSC to the Main Control Room.	
AEA-FN-51	TSC Exhaust Fan.	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. If a FAZ signal occurs, de-energize the fan at PP-TSC-1.	
AMA-AD-51	TSC MO Exhaust Damper for AMA-FN-52	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. If a FAZ signal occurs, manually open AMA-AD-51. Otherwise, consider relocating the TSC to the Main Control Room.	
AMA-CF-52	TSC AMA-FU-52 Charcoal Filter/Adsorber	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
AMA-FL-52	TSC AMA-FU-52 Pre filter	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	
AMA-FN-51	AMA-AH-51 Recirculation Fan	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner Establish alternate cooling as needed. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	
AMA-FN-52	TSC Emergency Supply Fan	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	
AMA-FU-52	TSC Emergency HEPA/Carbon Filter Unit	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room	
AMA-HF-52	TSC AMA-FU-51 HEPA Filter	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	
AOA-AD-51	TSC M.O. Outside Air Damper	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. If a FAZ signal occurs, manually close AMA-AD-51. Otherwise, consider relocating the TSC to the Main Control Room.	
AOA-EHC-51	TSC AMA-AH-51 Outside Air Duct Heater	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish alternate cooling/heating as needed.	

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
AOA-FN-51	TSC Remote Air Intake Fan	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	
AOA-V-51A	TSC Remote Air Intake Isolation Valve	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. If a FAZ occurs, manually open AOA-V-51A or 51B, as appropriate. Otherwise, consider relocating the TSC to the Main Control Room..	
AOA-V-51B	TSC Remote Air Intake Isolation Valve	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. If a FAZ occurs, manually open AOA-V-51A or 51B, as appropriate. Otherwise, consider relocating the TSC to the Main Control Room.	
ARE-CR-51	TSC Chiller	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish alternate cooling as needed. Establish periodic temperature monitoring of the TSC.	
ARE-TCV-1	TSC AMA-CC-51 Temperature Control Valve (Expansion Valve)	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish alternate cooling/heating as needed. Establish periodic temperature monitoring of the TSC. Verify ARE-TCV-2 is functional.	
ARE-TCV-2	TSC AMA-CC-52 Temperature Control Valve (Expansion Valve)	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner Establish alternate cooling/heating as needed. Establish periodic temperature monitoring of the TSC. Verify ARE-TCV-1 is functional.	

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
ARE-TIC-51	TSC Temperature Indicating Controller For ARE-CR-51	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish alternate cooling as needed. Establish periodic temperature monitoring of the TSC. If needed, establish alternate temperature control.	
ARE-TIS-52	TSC AOA-AD-51 Supply Plenum Temp Switch	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish alternate cooling/heating as needed	
ARM-RIS-1	Reactor Building 606' Fuel Pool Area	1 2 3 4 5 def	B	RU2.1 RA2.2	ARM-RIS-1 / 2 OR HP monitoring during load movement over spent fuel	
ARM-RIS-2	Reactor Building 606' Fuel Pool Area	1 2 3 4 5 def				

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
ARM-RIS-4	Reactor Building 522' East CRD Area	1 2 3 4 5	B	CG1.1 CG1.2 FS1.1 FA1.1	Refer to PPM 13.8.1	Alternate Method RCS Potential Loss
ARM-RIS-5	Reactor Building 522' West CRD Area	1 2 3 4 5				
ARM-RIS-6	Reactor Building 572' H2 Recombiner Area	1 2 3 4 5				
ARM-RIS-7	Reactor Building 501' TIP Drive Area	1 2 3 4 5				
ARM-RIS-8	Reactor Building 572' SGT System Area	1 2 3 4 5				
ARM-RIS-9	Reactor Building 422' "A RHR Pump Room	1 2 3 4 5 def	A1	RA3.1 CG1.1 CG1.2 FS1.1 FA1.1		
ARM-RIS-10	Reactor Building 422' "B" RHR Pump Room	1 2 3 4 5 def				
ARM-RIS-11	Reactor Building 422' "C" RHR Pump Room	1 2 3 4 5	B	CG1.1 CG1.2 FS1.1 FA1.1		
ARM-RIS-12	Reactor Building 422' RCIC Pump Room	1 2 3 4 5				
ARM-RIS-13	Reactor Building 422' HPCS Pump Room	1 2 3 4 5				

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
ARM-RIS-19	Rad Waste Building 501' Main Control Room	1 2 3 4 5 def	A1	RA3.1	Non-wireless Area Radiation Monitor	
ARM-RIS-23	Reactor Building 422' CRD Pump Room	1 2 3 4 5	B	CG1.1 CG1.2 FS1.1 FA1.1	Refer to PPM 13.8.1 5.3.1 Table 24	Alternate Method RCS Potential Loss
ARM-RIS-24	Reactor Building 471' Northwest Area	1 2 3 4 5				
ARM-RIS-30	Radwaste Control Rm	1 2 3 4 5 def	A1	RA3.1	Refer to PPM 13.8.1	
ARM-RIS-32	Reactor Building 471' High Range ARM	1 2 3 4 5	B	CG1.1 CG1.2 FS1.1 FA1.1	Refer to PPM 13.8.1 5.3.1 Table 24	Alternate Method RCS Potential Loss
ARM-RIS-33	Reactor Building 501' High Range ARM	1 2 3 4 5				
ARM-RIS-34	Reactor Building 606' High Range ARM	1 2 3 4 5 def	B	RU2.1 RA2.2	ARM-RIS-1/2 OR HP monitoring during load movement over spent fuel	

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
CMS-LR-3	Suppression Pool Level Recorder	1 2 3 4 5	B	CA1.1 CU1.1 CG1.2 CS1.2 MA3.1 MU3.1 MS6.1	Redundant Instrument	HCTL
CMS-LR-4	Suppression Pool Level Recorder	1 2 3 4 5				
CMS-PR-1	Primary Containment Pressure	1 2 3 4 5	B	CG1.1 CG1.2 FA1.1 FS1.1 FG1.1	Redundant Instrument	• PC Loss • RCS Loss • HCTL
CMS-PR-2	Primary Containment Pressure	1 2 3 4 5				
CMS-PR-3	Wetwell Pressure	1 2 3 4 5				
CMS-PR-4	Wetwell Pressure	1 2 3 4 5				
CMS-RIS-27E	In-Containment Hi Range Area Radiation Readout	1 2 3	B	FA1.1 FS1.1 FG1.1	CMS-RIS-27A/B OR Perform Core Damage Estimate if needed	• PC Potential Loss • RCS Loss • Fuel Clad Loss • URI
CMS-RIS-27F	In-Containment Hi Range Area Radiation Readout	1 2 3				

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
CMS-SR-13	H2/O2 Analyzer	4 5	B	CG1.1 CG1.2 FA1.1 FS1.1	CMS-SR-14/13	• PC Potential Loss
CMS-SR-14	H2/O2 Analyzer	4 5				
CMS-TR-5 CMS-TR-6	Wetwell Temp	1 2 3	B	MA3.1 MU3.1 MS6.1	Redundant Instrument	• PC Potential Loss • HCTL
EDR-FRS-623	Reactor Bldg EDR-FT-37 and Drywell FDR-FT-38 Recorder	1 2 3 4 5	B	CA1.1 CU1.1 MU5.1	Manual Determination	
E-LP-TSC1	TSC Lighting Power Supply	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Relocate TSC	
E-MC-7AB	TSC power supply.	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Relocate TSC	
E-PP-TSC1	TSC Power Panel	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Relocate TSC	
E-VM-DPS1/1	125 VDC VITAL DIST PNL S1/1	1 2 3 4 5	A1	CU4.1 MS2.1 MG1.2	Local voltmeter or on back of remote indication meter.	
E-VM-DPS1/2	125 VDC VITAL DIST PNL S1/2	1 2 3 4 5	A1	CU4.1 MS2.1 MG1.2	Local voltmeter or on back of remote indication meter.	

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
FDR-RIS-606	Radwaste Liquid Effluent Rate meter	1 2 3 4 5 def	A1	RU1.1 RA1.2	Perform Sample and Verify Release Rate Calculation Prior to Release.	
FDR-LS-41	RHR "A" pump room level high annunciator	1 2 3 4 5	B	CG1.2 CS1.2 CA6.1 MA8.1 HU3.2	Visual once per shift	
FDR-LS-42	RHR "B" pump room level high annunciator	1 2 3 4 5				
FDR-LS-43	RHR "C" pump room level high annunciator	1 2 3 4 5				
FDR-LS-44	RCIC pump room level high annunciator	1 2 3 4 5				
FDR-LS-45	LPCS pump room level high annunciator	1 2 3 4 5				
FDR-LS-46	HPCS pump room level high annunciator	1 2 3 4 5				
FPC-LI-21	Spent Fuel Pool Water Level	1 2 3 4 5 def	B	RG2.1 RS2.1 RA2.1 RA2.3 RU2.1	FPC-LIT-21A, 21B or 21 OR Visual twice per Shift OR Skimmer Surge Tank Low Level Not In With FPC Flow	Prefered compensatory measure is a level indicator
FPC-LIT-21A	Spent Fuel Pool Water Level	1 2 3 4 5 def				
FPC-LIT-21B	Spent Fuel Pool Water Level	1 2 3 4 5 def				
LD-FI-620	RWCU Diff Flow	1 2 3	B	MU5.1	System flow evaluation	

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
LD-TE-3A/B	RWCU-P-1A Rm	1 2 3	B	FA1.1 FS1.1 FG1.1	Use Leak Detection temperature element in same vicinity	• PC Loss • RCS Potential Loss
LD-TE-3C/D	RWCU-P-1B Rm	1 2 3				
LD-TE-4A/B	RCIC Pump Rm	1 2 3				
LD-TE-18A/B	RHR-P-2B Rm	1 2 3				
LD-TE-18C/D	RHR-P-2A Rm	1 2 3				
LD-TE-18E/F/G/H	RHR A HX Rm	1 2 3				
LD-TE-18J/K/L/M	RHR B HX Rm	1 2 3				
LD-TE-24A/B	RWCU Pipe Area RB 548 N (R509)	1 2 3				
LD-TE-24C/D	RWCU Pipe Area RB 548 S (R511)	1 2 3				
LD-TE-24E/F	RWCU Pipe Area RB 522 N (R408)	1 2 3				
LD-TE-24G/H	Above RWCU Pump Rooms RB 522 (R409)	1 2 3				
LD-TE-24J/K	TIP Mezzanine RB 501 NE (R313)	1 2 3				
LD-TE-31A/B/C/D	Main Steam Tunnel	1 2 3				

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
MET-CPU-1A	Primary Control Rack CPU	1 2 3 4 5 def	B	N/A	Channel B Met Tower instruments Hanford FFTF Website	FFTF is Alternate METHOD
MET-CPU-1B	Backup Control Rack CPU	1 2 3 4 5 def	B	N/A	Channel A Met Tower instruments Hanford FFTF Website	FFTF is Alternate METHOD
MET-TE-10A	Primary 245' Temperature Element	1 2 3 4 5 def	B	N/A	245' temperature on Channel B on eDNA/PDIS Hanford FFTF Website	FFTF is Alternate METHOD
MET-TE-10B	Backup 245' Temperature Element	1 2 3 4 5 def	B	N/A	245' temperature on Channel A on eDNA/PDIS Hanford FFTF Website	FFTF is Alternate METHOD
MET-TE-11A	Primary 33' Temperature Element	1 2 3 4 5 def	B	N/A	33' temperature on Channel B on eDNA/PDIS Hanford FFTF Website	FFTF is Alternate METHOD
MET-TE-11B	Backup 33' Temperature Element	1 2 3 4 5 def	B	N/A	33' temperature on Channel A on eDNA/PDIS Hanford FFTF Website	FFTF is Alternate METHOD
MET-TR-1	Temperature Recorder	1 2 3 4 5 def	B	NA	Delta temperature (245'-33') on Channel A or B on eDNA Hanford FFTF Website	FFTF is Alternate METHOD
MET-WDR-4	Wind Direction Recorder	1 2 3 4 5 def	B	NA	33' wind direction on Channel A or B on eDNA Hanford FFTF Website	FFTF is Alternate METHOD
MET-WMON-2A	Primary 33' Wind Speed/Direction Monitor	1 2 3 4 5 def	B	N/A	33' wind speed/direction on Channel B on eDNA/PDIS Hanford FFTF Website	FFTF is Alternate METHOD

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
MET-WMON-2B	Backup 33' Wind Speed/Direction Monitor	1 2 3 4 5 def	B	N/A	33' wind speed/direction on Channel A on eDNA/PDIS Hanford FFTF Website	FFTF is Alternate METHOD
MET-WSR-4	Wind Speed Recorder	1 2 3 4 5	B	CA6.1 MA8.1	33' wind speed on Channel A or B on eDNA Hanford FFTF Website	FFTF is Alternate METHOD
MS-LR-615	RPV Level – Fuel Zone	1 2 3 4 5	B	CG1.1 CS1.1 CS1.2 CA1.1 FS1.1 FG1.1 MG1.1 MS6.1	Redundant Instrument	• TAF • SAG Entry • RCS Loss • Fuel Clad Loss
MS-LR/PR-623A	RPV Press & Level Recorder (Post Acc Ckt A)	4 5	B	CS1.1 CA1.1	Redundant Instrument	Potential HCTL
MS-LR/PR-623B	Post Accident Mon Instr Loop B Press & Level Recorder	4 5				
OFMA-HF-1C	HEPA Filter Bank for AHU1 Cold Deck	1 2 3 4 5 def	A2	NA	Notify EOF Emergency Planner	EOF confirms habitability upon reporting and relocates if necessary
OFMA-HF-1H	HEPA Filter Bank for AHU1 Hot Deck	1 2 3 4 5 def	A2	NA	Notify EOF Emergency Planner	EOF confirms habitability upon reporting and relocates if necessary
OFMA-HF-3	EHPA Filter bank for supply fan 3	1 2 3	A2	NA	Notify EOF Emergency Planner	EOF confirms habitability upon reporting and relocates if necessary

Attachment 8.1, EP Related Important Equipment by EPN

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
OG-RIS-612	Off-Gas Pretreatment Rad Rate meter	1 2 3	A1	MU4.1	Direct HP to establish WRM per PPM 11.2.24.2 PPM 13.8.1	Refer to EPN -Annunciator P602.A5-3.3: "SJAE CONDRS OUTLET RAD Hi Hi" Alternate Method
PRM-DPT-2 PRM-SQRT-2 PRM-FI-2	Reactor Building Flow Rate Instruments	1 2 3 4 5 def	A1	RG1.1 RS1.1 RA1.1 RU1.1	Refer to ODCM 6.1.2.D	Alternate Method ODCM 6.1.2.D
PRM-RE-11	Reactor Building Exhaust, Low	1 2 3 4 5 def	A1	RU1.1	Direct HP to establish Stack Door Monitor (SDM) per PPM 11.2.24.2 -- radiation monitoring at the RB Stack Access Door (R-DOOR-R515). SDM readings are obtained from HP or from eDNA Point EP99M in ENW.WRM.	SDM is Alternate METHOD
PRM-RE-12	Reactor Building Exhaust, Intermediate	1 2 3 4 5 def	A1	RA1.1	Direct HP to establish Stack Door Monitor (SDM) per PPM 11.2.24.2 -- radiation monitoring at the RB Stack Access Door (R-DOOR-R515). SDM readings are obtained from HP or from eDNA Point EP99M in ENW.WRM.	SDM is Alternate METHOD
PRM-RE-13	Reactor Building Exhaust, High	1 2 3 4 5 def	A1	RG1.1 RS1.1	Direct HP to establish Stack Door Monitor (SDM) per PPM 11.2.24.2 -- radiation monitoring at the RB Stack Access Door (R-DOOR-R515). SDM readings are obtained from HP or from eDNA Points EP99M or EP99H in ENW.WRM.	SDM is Alternate METHOD
REA-RIS-609A-D	Reactor Building Vent	1 2 3 4 5 def	B	RA2.2	Redundant Instrument	

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
RFW-PI-605	Reactor Pressure (0-1200 psig)	4 5	B	CA3.1	Redundant Instrument	• PC Potential loss • HCTL
RWCU-TI-607	RWCU-P-1A, 1B Discharge Header Temp	4 5	B	CA3.1 CU3.1	Temporary Thermocouples or RPV RTDs RRC-TR-650 RHR-TRS-601	Only accurate if an RRC pump is running and RWCU flow is greater than 50 gpm.
SEIS-COMP-NCC	Seismic System	1 2 3 4 5 def	A1	HU2.1	Refer to PPM ABN-EARTHQUAKE if full instrumentation is lost.	• If only the Annunciator is lost, Refer to EPN-Annunciator P851.S1-5.1: "OPERATING BASIS EARTHQUAKE" • ABN-EARTHQUAKE is an Alternate Method
SGT-FT-1A1	SGT A-1 Flow	1 2 3 4 5 def	B	NA	Field Team Results	
SGT-FT-1A2	SGT A-2 Flow	1 2 3 4 5 def	B	NA	Field Team Results	
SGT-FT-1B1	SGT B-1 Flow	1 2 3 4 5 def	B	NA	Field Team Results	
SGT-FT-1B2	SGT B-2 Flow	1 2 3 4 5 def	B	NA	Field Team Results	

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
SOFT-TECH-ECN	Electronic CNF on LAN	1 2 3 4 5 def	B	NA	Form 24075	
SOFT-TECH-EDNA	eDNA Application Service	1 2 3 4 5 def	B	NA	eDNA Real Time Client or PDIS	
Dose Software	Emergency Dose Projection System	1 2 3 4 5 def	B	RA1.1 RS1.1 RG1.1	Redundant dose projection station or Table 3 of PPM 13.1.1	
SPTM-TI-5	Suppression Pool Avg Temp	1 2 3	B	MA3.1 MU3.1 MS6.1	Redundant instrument	• HCTL • PC Potential Loss
SW-RIS-604 SW-RIS-605	RHR-HX-1A/B Outlet Radiation (0.1-1,000,000 CPS)	1 2 3 4 5 def	A1	RU1.1	Perform grab sample every 12 hours and analyze for radioactivity	See PPM 1.10.1
TDAS-SOFT-PDIS	Plant Data Information System (Control Room)	1 2 3 4 5 def	B	NA	Control Room instruments	
TEA-FT-13	TG Building Elevated Release Air Flow	1 2 3 4 5 def	A1	NA	Refer to ODCM 6.1.2.D	Alternate Method per PPM 13.8.1
TEA-RIS-13	Turbine Building Exhaust	1 2 3 4 5 def	A1	RG1.1 RS1.1 RA1.1 RU1.1	Notify Chemistry to set up Sample Cart (Frisker in a Brick) per 12.5.35B	Refer to PPM 13.8.1 Attachment 7.6 for converting frisker readings (in cpm) to equivalent TEA-RIS-13 readings (in µCi/cc). Sample cart is an Alternate METHOD.

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
TSC-CP-RAD/1	TSC Radiation Monitoring Rack	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	
TSC-FN-21	TSC Mechanical Equipment Room 1-3 CFM Sample Pump	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	
TSC-RE-1A	TSC Airborne Radiation Detector - Particulate	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	
TSC-RE-1B	TSC Airborne Radiation Detector - Iodine	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	
TSC-RE-1C	TSC Airborne Radiation Detector – Noble Gas	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	
TSC-RIS-1A	TSC Airborne Radiation Monitor - Particulate	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	
TSC-RIS-1B	TSC Airborne Radiation Monitor - Iodine	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	

EPN	Noun Name / Description	EP Required Mode	10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
TSC-RIS-1C	TSC Airborne Radiation Monitor – Noble Gas	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	
TSC-RR-1	TSC Airborne Radiation Monitor Recorder	1 2 3 4 5 def	A2	NA	Notify the TSC EP Planner. Establish periodic radiological monitoring of the TSC. If a FAZ occurs, consider relocating the TSC to the Main Control Room.	
TSW-RIS-5	Ratemeter-Plant Serv Water Sample Rack TSW-SR-34	1 2 3 4 5 def	A1	RU1.1	Perform grab sample once per shift	See PPM 1.10.1
WEA-RIS-14	Rad Waste Building Exhaust	1 2 3 4 5 def	A1	RG1.1 RS1.1 RA1.1 RU1.1	Notify Chemistry to set up Sample Cart (Frisker in a brick) per PPM 12.5.37.	Refer to PPM 13.8.1 Attachment 7.6 for converting frisker readings (in cpm) to equivalent WEA-RIS-14 readings (in µCi/cc). Sample cart is an Alternate METHOD.
WEA-SUM-1	RW Bldg Exhaust Stack Air Flow	1 2 3 4 5 def	A1	NA	Refer to ODCM 6.1.2.D	Alternate Method

END

EP RELATED IMPORTANT EQUIPMENT BY FUNCTION

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
N/A (Alt. EOF)	Emergency Response Facility Function – Alternate EOF	1 2 3 4 5 def	A2	NA	As determined by Emergency Preparedness	See PPM 1.10.1 Emergency Preparedness is to be informed prior to ANY maintenance activity in this center.
	Dose Projection Software	1 2 3 4 5 def	B	RG1.1 RS1.1 RA1.1	Perform dose projections in other centers	Stand alone software installed on selected individual computers EAL Table 3
	Inter Facility Communications	1 2 3 4 5 def				
	Dedicated X300 and x500 Circuits		B	NA	Dial-Up Line	
	Ring down Line		B	NA	Commercial Line	
	Commercial Line		B	NA	Satellite Phone	No satellite phone assigned to the Alternate EOF. One available in the JIC.
	FAX		B	NA	Scan documents to email	
	Field Team Radios		B	NA	Cell Phone	Field Teams would be dispatched to the plant to retrieve Field Team vehicles
	Ventilation	1 2 3 4 5 def	B	NA	Initiate work request Contact EOF Planner Establish alternate cooling/heating as needed	

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (Control Room)	Emergency Response Facility Function – Control Room	1 2 3 4 5 def	B	NA	Remote Shutdown Room	
	AC Power	1 2 3 4 5 def	B	NA	PPM 5.6.1 – Station Blackout	
	Dose Projection Software	1 2 3 4 5 def	B	RG1.1 RS1.1 RA1.1	Perform dose projections in other centers	Standalone software installed on selected individual computers EAL Table 3
	Inter Facility Communications	1 2 3 4 5 def				
	Dedicated X300 and x500 Circuits		B	NA	ABN-Communication Dial-Up Line	
	Dial-Up Line		B	NA	ABN-Communication Commercial Line	
	Ring down Line		B	NA	ABN-Communication Commercial Line	
	Commercial Line		B	NA	ABN-Communication Satellite Phone	Satellite phone stored in TSC
	FAX		B	NA	Scan documents to email	
	Repair Team Radios		B	NA	Plant phone system	
	Ventilation	1 2 3 4 5 def	B	NA	ABN-HVAC	

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (EOF)	Emergency Response Facility Function – EOF	1 2 3 4 5 def	B	NA	Alternate EOF	See PPM 1.10.1 Emergency Preparedness is to be informed prior to ANY maintenance activity in this center.
	AC Power	1 2 3 4 5 def	B	NA	Diesel (Bldg 34 DG)	115 KV Line supplies power to Kootenai – EOF. Diesel (Bldg 34 DG) supplies EOF Backup Power for RED Outlets and Emergency Lighting
	Dose Projection Software	1 2 3 4 5 def	B	RG1.1 RS1.1 RA1.1	Perform dose projections in other centers	Standalone software installed on selected individual computers EAL Table 3
	Health Physics Center Decontamination Shower	1 2 3 4 5 def	B	NA	Use decontamination facilities located in-plant (RW 487') and at ENOC	
	Health Physics Center Receiving Area		B	NA	Contact EOF Planner Initiate work request	ERO to implement alternate location as defined by 13.11.7
	Inter Facility Communications	1 2 3 4 5 def				
	Dedicated X300 and x500 Circuits		B	NA	Dial-Up Line	
	Dial-Up Line		B	NA	Commercial Line	
	Ring down Line		B	NA	Commercial Line	
	Commercial Line		B	NA	Satellite Phone	
	FAX		B	NA	Scan documents to email	
	Field Team Radios		B	NA	Cell Phone	

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (EOF)	Ventilation	1 2 3 4 5 def	B	NA	Contact facilities and confirm Kootenai HVAC Establish alternate cooling/heating as needed	EOF confirms habitability upon reporting and relocates if necessary.
	Air Handling Unit 1		A2	NA	Verify normal Kootenai HVAC available Relocate to Alternate EOF if necessary	AHU-1 Backup to normal Kootenai HVAC EOF HVAC Test performed quarterly by MWO 00GCF3
	Fan SF-3		A2	NA	Verify normal Kootenai HVAC available Relocate to Alternate EOF if necessary	Supply Fan 3
	Radiation Monitor, Intake Air		A2	NA	Confirm no release in progress Shift to filtered air if release in progress	Only required if center is activated.
	Radiation Monitor, Return Air		A2	NA	Confirm no release in progress Shift to filtered air if release in progress	Only required if center is activated.

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (JIC)	Emergency Response Facility Function - JIC	1 2 3 4 5 def	A2	NA	Notify JIC Planner As determined by Emergency Preparedness	See PPM 1.10.1 Emergency Preparedness is to be informed prior to ANY maintenance activity in this center.
	AC Power	1 2 3 4 5 def	B	NA	Diesel backup power	
	Inter Facility Communications	1 2 3 4 5 def				
	Dedicated X300 and x500 Circuits		B	NA	Dial-Up Line	
	Dial-Up Line		B	NA	Commercial Line	
	Ring down Line		B	NA	Commercial Line	
	Commercial Line		B	NA	Satellite Phone	
	FAX		B	NA	Scan documents to email	
	Ventilation	1 2 3 4 5 def	B	NA	Initiate work request Contact JIC Planner Establish alternate cooling/heating as needed	
	News Conference Capability – Walkley Rm	1 2 3 4 5 def	B	NA	MPF Auditorium Skamania Room	

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (OSC)	Emergency Response Facility Function – OSC	1 2 3 4 5 def	A2	NA	Notify OSC Planner Relocate the OSC as per "OSC Manager Checklist" (Form 26522)	See PPM 1.10.1 Emergency Preparedness is to be informed prior to ANY maintenance activity in this center.
	AC Power	1 2 3 4 5 def	B	NA	Relocate the OSC as per "OSC Manager Checklist" (Form 26522)	
	Inter Facility Communications	1 2 3 4 5 def	B	NA		
	Dedicated X300 and x500 Circuits				Dial-Up Line	
	Dial-Up Line				Commercial Line	
	Ring down Line				Commercial Line	
	Commercial Line				None	OSC has no Emergency Response Function that requires commercial lines.
	FAX				Scan documents to email	
	Repair Team Radios				Plant phones	
	TSC Building Ventilation	1 2 3 4 5 def	B	NA	Initiate work request Contact OSC Planner Establish alternate cooling/heating as needed	OSC confirms habitability upon reporting and relocates if necessary

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (TSC)	Emergency Response Facility Function – TSC	1 2 3 4 5 def	B	NA	Notify OSC Planner Relocate the TSC as per "TSC Manager Checklist" (Form 26506)	See PPM 1.10.1 Emergency Preparedness is to be informed prior to ANY maintenance activity in this center.
	AC Power	1 2 3 4 5 def	B	NA	Relocate the TSC as per "TSC Manager Checklist" (Form 26506)	See Attachment 8.1
	Dose Projection Software	1 2 3 4 5 def	B	RG1.1 RS1.1 RA1.1	Perform dose projections in other centers	Standalone software installed on selected individual computers EAL Table 3
	Inter Facility Communications	1 2 3 4 5 def	B	NA		
	Dedicated X300 and x500 Circuits				Dial-Up Line	
	Dial-Up Line				Commercial Line	
	Ring down Line				Commercial Line	
	Commercial Line				Satellite Phone	
	FAX				Scan documents to email	
	Ventilation	1 2 3 4 5 def	B	NA	Initiate work request Contact TSC Planner Establish alternate cooling/heating as needed	TSC confirms habitability upon reporting and relocates if necessary See Attachment 8.1

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (ERO Notification)	ERO Notification Function	1 2 3 4 5 def				See PPM 1.10.1
	Auto-Dialer		B	NA	Planner Call-Tree	**Required only when Radio Paging System unavailable**
	Normal Power		B	NA	Backup Generator	Also powers company phone system
	Backup Generator		B	NA	Confirm Normal Power Contact Emergency Preparedness	**Required only when normal power unavailable** Backup generator known as TEL-COM-GEN, 30-209, or DG-2(TEC)
	Cellular Phone		B	NA	Commercial Line	
	Commercial Line		B	NA	Cellular Phone	
	Radio Paging		B	NA	Manual Activation OR Auto Dialer	**Radio paging is the primary method of ERO notification.**
	Public Address		B	NA	Make PA Announcement from other center.	
NA (NRC Notification)	NRC Notification Function	1 2 3 4 5 def	B	NA		See PPM 1.10.1
	ENS Line				Commercial NRC HOO Line	
	HPN Line				Commercial Line	
	ERDS				Verbally via ENS call	
	FTS 2001				Commercial Line	

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (Offsite Notification)	Offsite Notification Function	1 2 3 4 5 def	B	NA		See PPM 1.10.1
	CRASH Line				Dial-Up Line	
	Dial-Up Line				Commercial Line	
	Commercial Line				Alternate phone switch (377, 372, 375)	
	Normal Power				Backup Generator	Also powers company phone system
	Backup Generator				Confirm Normal Power Contact Emergency Preparedness	Backup generator known as TEL-COM-GEN, 30-209, or DG-2(TEC) **Required only when normal power unavailable**
	Radio				Alternate channels Commercial Line	
	LERN				Commercial Line	
	SCAN				Commercial Line	
	FAX				CRASH Line Commercial Fax	

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA	Site Evacuation Notification Function	1 2 3 4 5 def				See PPM 1.10.1
	CGS Site Evacuation Siren System		B	NA	Public Address or Area Sweep	
	HNES Units				Area Sweep	
NA	Pulic Alert & Notification System (ANS) Function	1 2 3 4 5 def				See PPM 1.10.1
	Sirens (*Primary Public ANS*)		B	NA	For siren system loss: Confirm functionality of ETNS system.	For single siren loss: Contact IS to confirm functionality of adjacent sirens
	Emergency Telephone Notification System (ETNS) (*Backup Public ANS*)				Confirm functionality of Public ANS Siren system.	Contact County EM Staff and ETNS vendor for resolution as needed
	Tone Alert Radios (TARs)**				KONA AM/FM Radio KORD FM Radio	**TARs are in very limited use within the CGS 10-Mile Emergency Planning Zone. See CGS ANS Design Report for details.

END

EP RELATED IMPORTANT EQUIPMENT - TSC

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (TSC)	Computers	1 2 3 4 5 def	B	NA	Contact IS	
	Chemistry / Effluent					
	Engineer 1					
	Engineer 2					
	Engineer 3					
	Information Coordinator					
	NRC Liaison					
	NRC Computer					
	Print station w/ large monitor				Computer or hard copies from TSC Library	
NA (TSC)	Printers/Copiers	1 2 3 4 5 def	B	NA	Contact IS	
	Print Station Plotter					
	Printer, Engineering Area					
	Lan Printer/Copy Machine				Contact Vendor	Also for OSC
NA (TSC)	Fax Machines	1 2 3 4 5 def	B	NA	Contact IS	Also for OSC
	Dedicated					
	Commercial					

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (TSC)	Headset, Information Coordinator	1 2 3 4 5 def	B	NA	Contact IS	
NA (TSC)	Telephone	1 2 3 4 5 def	B	NA	Contact IS	Inventoried / tested by Telecom
	TSC Manager					
	Operations Manager					
	Radiation Protection Manager					
	Technical Manager					
	Plant/NRC Liaison					
	Administrative Manager					
	Chemistry/Effluent Manager					
	Maintenance Manager					
	Plant Technical Staff					
	Plant Technical Staff					
	Plant Technical Staff					
	Plant Technical Staff					
	Security Liaison					
	Admin Support Staff					
	Computer Engineer					

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (TSC)	NRC Emergency Notification System (ENS)	1 2 3 4 5 def	B	NA	Contact IS	Headset and phone
NA (TSC)	NRC Communications	1 2 3 4 5 def	B	NA	Contact IS	Inventoried / tested by Telecom
	NRC Health Physics Network (HPN)					
	NRC Management Counterpart Link (MCL)					
	NRC Rad Safety Coordinator					
	NRC Reactor Safety Counterpart Link (RSCL)					
	NRC Reactor Safety Ops Coordinator					
	NRC Reactor Safety Specialist					
	NRC Senior Resident Inspector					
	NRC Protective Measures Counterpart Link (PMCL)					

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (TSC)	Radios Base Station (x2) On-Site Channels Area Wide channels	1 2 3 4 5 def	B	NA	Contact IS	Inventoried and tested by Telecom There are 2 more base stations for OSC (total of 4)
NA (TSC)	Flat Screen Monitors	1 2 3 4 5 def	B	NA	White Board	

END

EP RELATED IMPORTANT EQUIPMENT - OSC

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (OSC)	Computers	1 2 3 4 5 def	B	NA	Contact IS	Tested by EP, Maintained by IT
	HP Lead					
	Repair Team Coordinator / Manager					
	Electrical Craft Lead					
	I&C Craft Lead					
	Mechanical Lead					
NA (OSC)	Repair Team Coordinator Headset	1 2 3 4 5 def	B	NA	Contact IS	
NA (OSC)	Telephones	1 2 3 4 5 def	B	NA	Contact IS	Inventoried and tested by Telecom
	Manager					
	HP Lead					
	Repair Team Coordinator					
	Team Tracker					
	Electrical Craft Lead					
	I&C Craft Lead					
	Mechanical Craft Lead					
	Craft Area					

Attachment 8.4, EP Related Important Equipment – OSC

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (OSC)	Radios Base Station (x2) On-Site Channels Area Wide channels Repair Team hand held (x6)	1 2 3 4 5 def	B	NA	Contact IS	Inventoried and tested by Telecom There are 2 more base stations for TSC (total of 4)

END

EP RELATED IMPORTANT EQUIPMENT – EOF (BUILDING 34)

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (EOF)	Computers	1 2 3 4 5 def	B	NA	Contact IS	Tested by EP, Maintained by IT
	Asst EOF Manager					
	DOH Dose Projection					
	Energy Northwest Dose Projection					
	EOF PIO					
	Information Coordinator (x2)					
	INPO Network					
	PDIS Analyst					
	Radiation Detection Engineer					
	Telecom Manager					
NA (EOF)	Emergency Diesel Generator	1 2 3 4 5 def	A2		Confirm 115 kV available Relocate to Alternate EOF.	DG Load Test performed monthly by MWO #00GBK0 DG Switch Test performed quarterly by MWO #00GBK2

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (EOF)	Fax	1 2 3 4 5 def	B	NA	Contact IS	Inventoried / tested by Telecom - EP
	CNF					
	Dialogic					
	Incoming					
	Outgoing					
NA (EOF)	Health Physics Center Vehicle Field Team Air Sample Kit (x3)	1 2 3 4 5 def	B	NA	Kit at Alternate EOF Contact HP to provide additional equipment	Inventoried/tested by Radiation Protection quarterly – MWO 01050707
NA (EOF)	Health Physics Center Vehicle Field Team Field Sample Kit (x3)	1 2 3 4 5 def	B	NA	Kit at Alternate EOF Contact HP to provide additional equipment	Inventoried/tested by Radiation Protection quarterly – MWO 01050707
NA (EOF)	Health Physics Center Vehicle Field Team Instrumentation Kit (x3)	1 2 3 4 5 def	B	NA	Kit at Alternate EOF Contact HP to provide additional equipment	Inventoried/tested by Radiation Protection quarterly – MWO 01050707
NA (EOF)	Health Physics Center Vehicle Field Team Protective Clothing Kit (x3)	1 2 3 4 5 def	B	NA	Kit at Alternate EOF Contact HP to provide additional equipment	Inventoried/tested by Radiation Protection quarterly – MWO 01050707
NA (EOF)	Printers	1 2 3 4 5 def	B	NA	Contact IS	Tested by EP
	HP Dose Projection					
	INPO Network Coordinator					
	Laser 24					
	Laser 147					
NA (EOF)	Radiation Monitor, Victoreen VAMP	1 2 3 4 5 def	B	NA	Portable Monitor	Tested / Calibrated by RP

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (EOF)	Radios	1 2 3 4 5 def	B	NA	Contact IS	Inventoried and maintained by Telecom EOF Radio inventory
	Field Team Console					
	Field Team Monitoring					
	Field Team Vehicle EN1					
	Field Team Vehicle EN2					
	Field Team Vehicle EN3					
	Portable Field Team (x6)					
	NOAA Weather					
	WA State Field Team Console					
	Security Area Wide					Call sign KZI509
	DOE Patrol					Call sign Station 51
	DOE Safety Console					Call sign Station 51
	Law Enforcement Radio Network					Call sign KOM785

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (EOF)	Telephones	1 2 3 4 5 def	B	NA	Contact IS	Inventoried / tested by Telecom
	Admin Support					
	Admin Support					
	Assistant Manager					
	Benton County Emergency Management					
	BPA Representative					
	FEMA Representative					
	Decon Showers					
	Dept. of Energy Representative					
	Dept. of Health Field Team Coordinator					
	Dept. of Health Protective Action Decision Group Liaison					
	Dose Projection HP					
	Dose Projection HP					

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (EOF)	Engineering General Area	1 2 3 4 5 def	B	NA	Contact IS	Inventoried / tested by Telecom
	Engineering Manager					
	Engineering Support					
	Field Team Coordinator					
	Field Team Dispatcher					
	Franklin County Emergency Management					
	Health Physics Center					
	INPO Network Coordinator					
	Instrument Calibration Lab					
	Manager					
	Manpower Scheduler					
	NRC Deputy Site Team Director					
	NRC Deputy Protective Measures Branch Leader					

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (EOF)	NRC Chronology Documentation Branch Leader	1 2 3 4 5 def	B	NA	Contact IS	Inventoried / tested by Telecom
	NRC Dose Assessor					
	NRC Dose Assessor Modem					
	NRC ENS					
	NRC Information Technology Specialist					
	NRC Liaison Leader					
	NRC Management Counterpart Link					
	NRC Protective Measures Counterpart Link					
	NRC Protective Measures Branch Leader					
	NRC Chronology Documentation Communicator					
	NRC Deputy Technical Assessment Branch Leader					

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (EOF)	NRC Deputy Technical Assessment Branch Leader	1 2 3 4 5 def	B	NA	Contact IS	Inventoried / tested by Telecom
	NRC Deputy Technical Assessment Branch Leader Modem					
	NRC Reactor Safety Counterpart Link (RSCL)					
	NRC Response Branch Leader					
	NRC Response Branch Leader Modem					
	NRC Site Team Director					
	NRC Technical Assessment Specialist					
	NRC Technical Assessment Branch Leader					
	Oregon State Liaison					
	Oregon Radiological Dose Analyst					
	PDIS Analyst					

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (EOF)	Public Information Officer (PIO)	1 2 3 4 5 def	B	NA	Contact IS	Inventoried / tested by Telecom
	Radiation Detections Systems Engineer					
	Radiological Emergency Manager (REM)					
	Respiratory Testing Area					
	Secretary					
	Secretary					
	Security Manager					
	Site Support Manager					
	State/County Liaison					
	Technical Liaison					
	Telecom Manager					
	Washington Dept. of Agriculture					
	Washington State Emergency Management Liaison					
	Washington State DOH Liaison					

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (EOF)	Vehicles Field Team EN1 Field Team EN2 Field Team EN3	1 2 3 4 5 def	B	NA	Acquire other ENW vehicle Contact Vehicle Maintenance Contact WA to request DOH supplement	Maintained by CMS – EP verifies operable on a monthly basis
NA (EOF)	Whelen Siren Console, Site Evacuation Siren System	1 2 3 4 5 def	B	NA	Activate from SCC	Inventoried/Tested by Telecom
NA (EOF)	Wireless CRASH phone system	1 2 3 4 5 def	B	NA	Contact IS	Inventoried/Tested by Telecom and EP
NA (EOF)	Overhead Projector (x2)	1 2 3 4 5 def	B	NA	Contact IS	
NA (EOF)	Flat Screen Monitors	1 2 3 4 5 def	B	NA	Contact IS	

END

Attachment 8.5, EP Related Important Equipment – EOF (Building 34)

EP RELATED IMPORTANT EQUIPMENT – ALTERNATE EOF

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (Alt. EOF)	Radios	1 2 3 4 5 def	B	NA		
	B.5.b Radios				Cellular phones	
	Field Team Base Station				Cellular phones	
NA (Alt. EOF)	Fax	1 2 3 4 5 def	B			Inventoried/tested by Telecommunications
NA (Alt. EOF)	Health Physics Center Vehicle Field Team Air Sampling Kit	1 2 3 4 5 def	B	NA	Kit at EOF Contact HP to provide additional equipment	Inventoried/tested by Radiation Protection quarterly – MWO 01050707
	Health Physics Center Vehicle Field Team Field Sample Kit					
	Health Physics Center Vehicle Field Team Instrumentation Kit					
NA (Alt. EOF)	Telephones	1 2 3 4 5 def	B	NA	Contact IS	Inventoried / tested by Telecom
	Assistant Manager					
	Benton County Commissioner					
	Dept. of Energy Field Team Coordinator					
	Dept. of Energy Field Team Dispatcher					

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (Alt. EOF)	Dose Projectionist	1 2 3 4 5 def	B	NA	Contact IS	Inventoried / tested by Telecom
	Engineering Manager					
	Manager					
	Secretary					
	Field Team Coordinator					
	Field Team Dispatch					
	Franklin County Commissioner					
	Manpower Scheduler					
	NRC/FEMA					
	NRC Protective Measures Branch Lead					
	NRC Reactor Safety Counterpart Link (RSCL) Communicator					
	NRC Response Coordination Leader					
	NRC Site Team Director					

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (Alt. EOF)	NRC Technical Assessment Branch Leader	1 2 3 4 5 def	B	NA	Contact IS	Inventoried / tested by Telecom
	Oregon State Liaison					
	REM					
	Site Support Manager					
	Security Manager					
	Technical Liaison					
	Telecom Manager					
	Washington State Representative					
	Washington Department of Health					
NA (Alt. EOF)	Headset	1 2 3 4 5 def	B	NA	Contact IS	Controller and Information Coordinator
NA (Alt. EOF)	Computer, Dose Projection	1 2 3 4 5 def	B	NA	Contact IS	

END

EP RELATED IMPORTANT EQUIPMENT – JIC

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (JIC)	AM Tuner	1 2 3 4 5 def	B	NA	FM Tuner Internet	
NA (JIC)	Computers	1 2 3 4 5 def	B	NA	Contact IS	Tested by EP, Maintained by IT
	Alternate EOF/ENS					
	AV Walkley Room					
	Benton County PIO					
	Franklin County PIO					
	HP Spokesperson					
	Internet News Monitor					
	JIC Secretary					
	News Release Editor					
	NRC PIL					
	Oregon PIO					
	Phone Team (x8)					
	Rumor Control					
	Technical Spokesperson)					
	Washington PIO)					

Attachment 8.7, EP Related Important Equipment – JIC

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (JIC)	Copy Machine	1 2 3 4 5 def	B	NA	Contact Vendor	
NA (JIC)	DISH Network Receiver (x2)	1 2 3 4 5 def	B	NA	Contact Vendor	
NA (JIC)	Fax					Inventoried/Tested by Telecom
	Commercial (x2)		B	NA	Contact IS	
	Dedicated (x2)	1 2 3 4 5 def	B	NA	Contact IS	
NA (JIC)	Flat panel displays (5)	1 2 3 4 5 def	B	NA	Contact IS	JIC, Phone Team Room and MPF Lobby
NA (JIC)	FM Tuner	1 2 3 4 5 def	B	NA	AM Tuner Internet	
NA (JIC)	Headset	1 2 3 4 5 def	B	NA	Contact IS	
	Phone Team, (x8)					
	Spokesperson					
NA (JIC)	Printers	1 2 3 4 5 def	B	NA	Contact Vendor	
	PIO Work Area					
	Rumor Control Work Area					
NA (JIC)	Projection Booth AV Equipment and DVR	1 2 3 4 5 def	B	NA	Contact IS	Prox card and booth key located in Support Manager's center desk drawer

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (JIC)	Telephones	1 2 3 4 5 def	B	NA	Contact IS	Inventoried/Tested by Telecom
	Audio/Visual					
	Benton County Representative					
	Distribution Team Supervisor					
	DOE-RL Representative					
	FEMA Representative					
	Franklin County Representative					
	HP Spokesperson					
	Information Manager					
	Manager					
	Media Phone Team					
	News Release Editor					
	NRC Representative					
	Oregon State Representative					
	Public Phone Team					
	Receptionist					

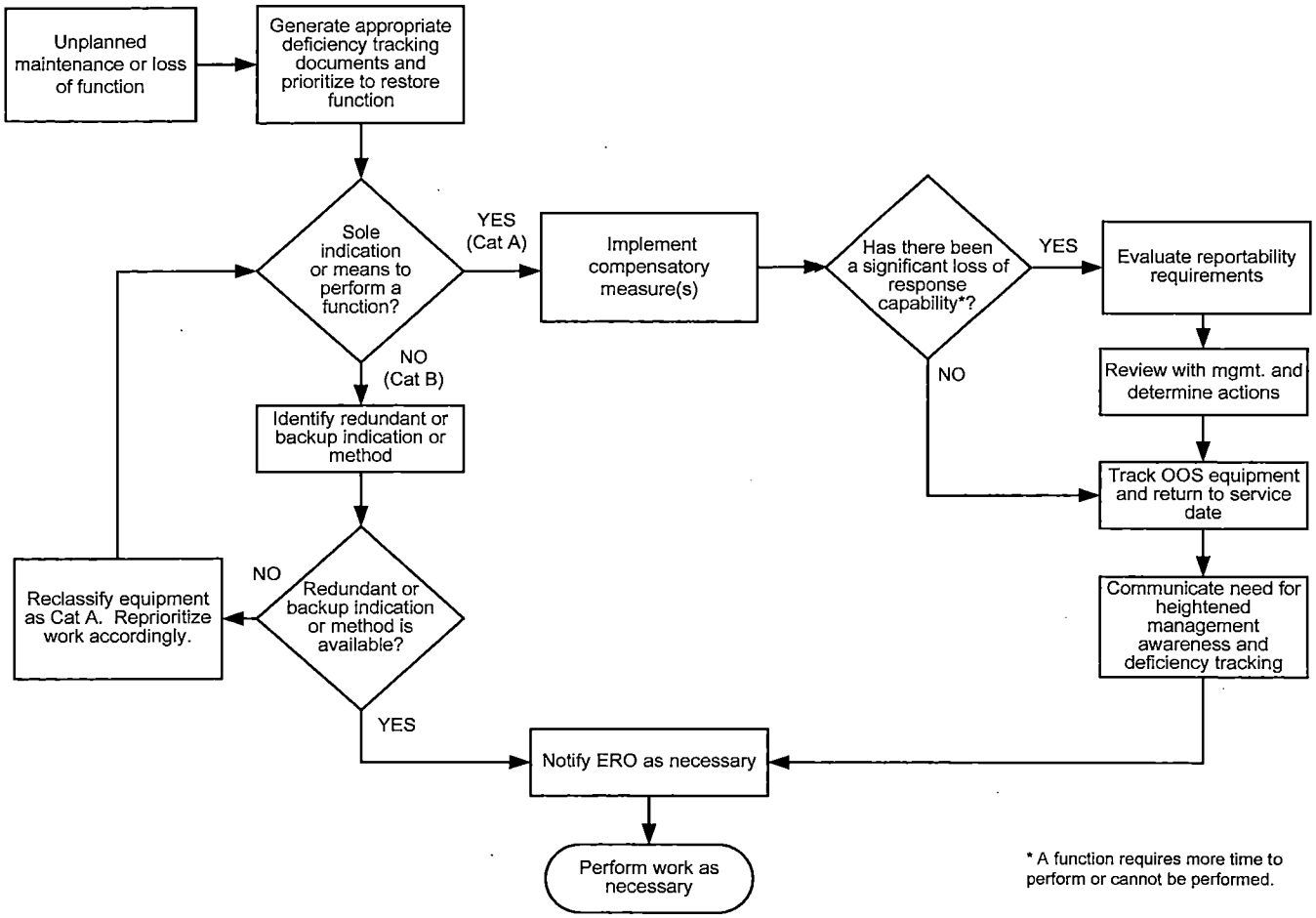
Attachment 8.7, EP Related Important Equipment – JIC

EPN	Noun Name / Description	EP Required Mode	INPO 10-007 Equipment Category	EAL	Alternate Indication and / or Compensatory Measure	Comments
NA (JIC)	Spokesperson	1 2 3 4 5 def	B	NA	Contact IS	Inventoried/Tested by Telecom
	Support Manager					
	Technical Spokesperson					
	Washington State Representative EMD					
	Washington Department of Agriculture					
	Washington Department of Health					
NA (JIC)	Televisions, broadcast (x2)	1 2 3 4 5 def	B	NA	White Board	
NA (JIC)	Video	1 2 3 4 5 def	B	NA	Contact IS	
	JIC Projector					
	Walkley Room Projector					

END

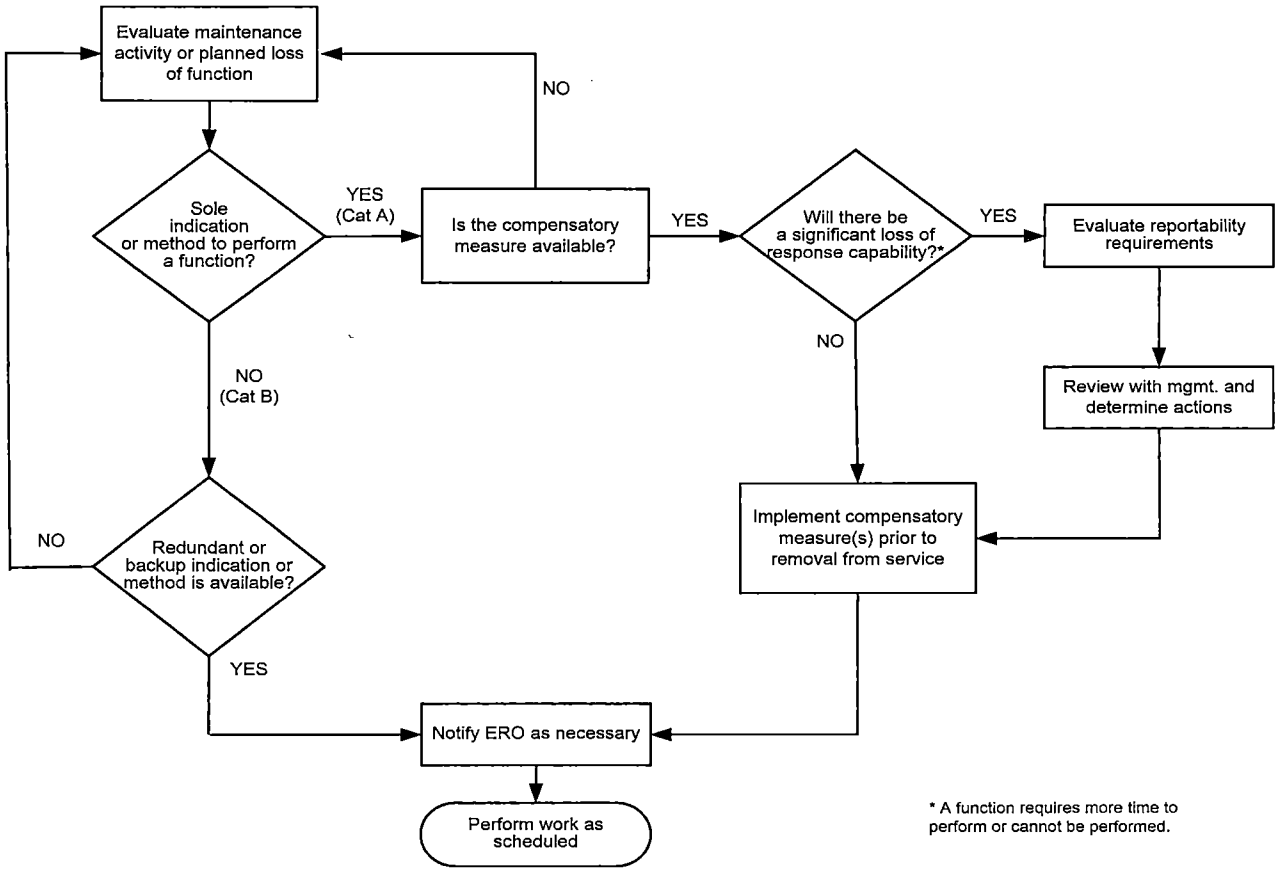
Attachment 8.7, EP Related Important Equipment – JIC

UNPLANNED LOSS OF EQUIPMENT



END

PLANNED LOSS OF EQUIPMENT



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