

LR-N17-0002

Attachment 6

HCGS EAL Wall Charts

(2 Pages)

| | | GENERAL EMERGENCY Implement Att. 4 | SITE AREA EMERGENCY Implement Att. 3 | ALERT Implement Att. 2 | UNUSUAL EVENT Implement Att. 1 (Att. 24 for Common Site) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|--|---|-----|-------|----|--|--|------------------|------------------|------------------|-----------------|---------------------------|--------|-------|-------|-------|----------------------------|------------------------|--------|-------|-------|-------|----------------------------|-------------------------|--------|-------|-------|-------|----------------------------|--|--|--|--------------|-----------|---------------------|--------|-------------------------------|---------|--------|-------------------|---------|---------|-------------------------|---------|---------|-----------------------------|---------|
| R Abnormal Rad Levels / Rad Effluent | 1 Offsite Rad Conditions | Release of gaseous radioactivity resulting in offsite dose greater than 1,000 mrem TEDE or 5,000 mrem thyroid CDE RG1.1 [1 2 3 4 5 DEF] In the absence of dose assessment results, reading on ANY Table R-1 effluent radiation monitor > column "SAE" for ≥ 15 min. (Notes 1, 2, 3, 4) RG1.2 [1 2 3 4 5 DEF] Dose assessment using actual meteorology indicates doses > 1,000 mrem TEDE or 5,000 mrem thyroid CDE at or beyond the MINIMUM EXCLUSION AREA (Note 4) RG1.3 [1 2 3 4 5 DEF] Field survey results indicate EITHER of the following at or beyond the PROTECTED AREA boundary: • Closed window dose rates > 1,000 mR/hr expected to continue for ≥ 60 min. • Analyses of field survey samples indicate I-131 concentration > 3.85E-06 µCi/cc (Notes 1, 2) | Release of gaseous radioactivity resulting in offsite dose greater than 100 mrem TEDE or 500 mrem thyroid CDE RS1.1 [1 2 3 4 5 DEF] In the absence of dose assessment results, reading on ANY Table R-1 effluent radiation monitor > column "SAE" for ≥ 15 min. (Notes 1, 2, 3, 4) RS1.2 [1 2 3 4 5 DEF] Dose assessment using actual meteorology indicates doses > 100 mrem TEDE or 500 mrem thyroid CDE at or beyond the MINIMUM EXCLUSION AREA (Note 4) RS1.3 [1 2 3 4 5 DEF] Field survey results indicate EITHER of the following at or beyond the PROTECTED AREA boundary: • Closed window dose rates > 100 mR/hr expected to continue for ≥ 60 min. • Analyses of field survey samples indicate I-131 concentration > 3.85E-07 µCi/cc (Notes 1, 2) | Release of gaseous or liquid radioactivity resulting in offsite dose greater than 10 mrem TEDE or 50 mrem thyroid CDE RA1.1 [1 2 3 4 5 DEF] In the absence of dose assessment results, reading on ANY Table R-1 effluent radiation monitor > column "ALERT" for ≥ 15 min. (Notes 1, 2, 3, 4) RA1.2 [1 2 3 4 5 DEF] Dose assessment using actual meteorology indicates doses > 10 mrem TEDE or 50 mrem thyroid CDE at or beyond the MINIMUM EXCLUSION AREA (Note 4) RA1.3 [1 2 3 4 5 DEF] Field survey results indicate EITHER of the following at or beyond the PROTECTED AREA boundary: • Closed window dose rates > 10 mR/hr expected to continue for ≥ 60 min. • Analyses of field survey samples indicate I-131 concentration > 3.85E-08 µCi/cc (Notes 1, 2) RA1.4 [1 2 3 4 5 DEF] Field survey results indicate EITHER of the following at or beyond the PROTECTED AREA boundary: • Closed window dose rates > 10 mR/hr expected to continue for ≥ 60 min. • Analyses of field survey samples indicate I-131 concentration > 3.85E-08 µCi/cc (Notes 1, 2) | Release of gaseous or liquid radioactivity resulting in offsite dose greater than 10 mrem TEDE or 50 mrem thyroid CDE RU1.1 [1 2 3 4 5 DEF] Reading on ANY Table R-1 effluent radiation monitor > column "UE" for ≥ 60 min. (Notes 1, 2, 3) RU1.2 [1 2 3 4 5 DEF] Sample analysis for a gaseous or liquid release indicates a concentration or release rate > Table R-2 threshold for ≥ 60 min. (Notes 1, 2) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 Irradiated Fuel Events | Spent fuel pool level at the top of the fuel racks RG2.1 [1 2 3 4 5 DEF] Spent fuel pool level CANNOT be restored to at least 176 ft. for ≥ 60 min. (Note 1) | Spent fuel pool level at the top of the fuel racks RS2.1 [1 2 3 4 5 DEF] Lowering of spent fuel pool level to 176 ft. | Significant lowering of water level above, or damage to, irradiated fuel RA2.1 [1 2 3 4 5 DEF] Uncovery of irradiated fuel in the REFUELING PATHWAY RA2.2 [1 2 3 4 5 DEF] Damage to irradiated fuel resulting in a release of radioactivity that causes a High alarm on ANY of the following radiation monitors: • Spent Fuel Storage Pool Area (9RX707) • New Fuel Criticality A Rad (9RX612) • New Fuel Criticality B Rad (9RX613) • Refuel Floor Exhaust Duct Rad Channel A (9RX627) • Refuel Floor Exhaust Duct Rad Channel B (9RX628) • Refuel Floor Exhaust Duct Rad Channel C (9RX629) RA2.3 [1 2 3 4 5 DEF] Lowering of spent fuel pool level to 186 ft. | UNPLANNED loss of water level above irradiated fuel RU2.1 [1 2 3 4 5 DEF] UNPLANNED water level drop in the REFUELING PATHWAY as indicated by ANY of the following: • Confined SFPL low level alarm • Annunciator D1-A5 (FUEL POOL LEVEL HI/LO) • Reactor Water Level Shutdown Range Indicator U1-R005-B21 • Visual observation (local or remote) AND UNPLANNED rise in corresponding area radiation levels on ANY of the following: • Spent Fuel Storage Pool Area (9RX707) • New Fuel Criticality A Rad (9RX612) • New Fuel Criticality B Rad (9RX613) • Refuel Floor Exhaust Duct Rad Channel A (9RX627) • Refuel Floor Exhaust Duct Rad Channel B (9RX628) • Refuel Floor Exhaust Duct Rad Channel C (9RX629) • Temporary Refueling Bridge ARM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 Area Radiation Levels | Table R-1 Effluent Monitor Classification Thresholds* * For high alarm conditions on offgas pretreatment monitor 9RX621 or 9RX622, refer to EAL SU4.1 <table border="1"> <thead> <tr> <th>Release Point</th> <th>Monitor</th> <th>GE</th> <th>SAE</th> <th>Alert</th> <th>UE</th> </tr> </thead> <tbody> <tr> <td>SPDS - (Total) Offsite Gas Rad Release OR SUM of: FRVS Vent NG + North Plant Vent NG + South Plant Vent NG + Hardened Torus Vent NG</td> <td>SPDS Point BS097 OR SUM of: 9RX680 + 9RX590 + 9RX580 + 9RX518</td> <td>5.25E+08 µCi/sec</td> <td>5.25E+07 µCi/sec</td> <td>5.25E+06 µCi/sec</td> <td>3.0E+04 µCi/sec</td> </tr> <tr> <td>Liquid Radwaste Discharge</td> <td>9RX508</td> <td>-----</td> <td>-----</td> <td>-----</td> <td>2X the High Alarm Setpoint</td> </tr> <tr> <td>Cooling Tower Blowdown</td> <td>9RX506</td> <td>-----</td> <td>-----</td> <td>-----</td> <td>2X the High Alarm Setpoint</td> </tr> <tr> <td>TB Circ Water Discharge</td> <td>9RX505</td> <td>-----</td> <td>-----</td> <td>-----</td> <td>2X the High Alarm Setpoint</td> </tr> </tbody> </table> | Release Point | Monitor | GE | SAE | Alert | UE | SPDS - (Total) Offsite Gas Rad Release OR SUM of: FRVS Vent NG + North Plant Vent NG + South Plant Vent NG + Hardened Torus Vent NG | SPDS Point BS097 OR SUM of: 9RX680 + 9RX590 + 9RX580 + 9RX518 | 5.25E+08 µCi/sec | 5.25E+07 µCi/sec | 5.25E+06 µCi/sec | 3.0E+04 µCi/sec | Liquid Radwaste Discharge | 9RX508 | ----- | ----- | ----- | 2X the High Alarm Setpoint | Cooling Tower Blowdown | 9RX506 | ----- | ----- | ----- | 2X the High Alarm Setpoint | TB Circ Water Discharge | 9RX505 | ----- | ----- | ----- | 2X the High Alarm Setpoint | Radiation levels that IMPEDE access to equipment necessary for normal plant operations, cooldown or shutdown RA3.1 [1 2 3 4 5 DEF] Dose rates > 15 mR/hr in the Control Room (9RX710) RA3.2 [3 4 5 DEF] An UNPLANNED event results in radiation levels that prohibit or IMPEDE access to ANY Table R-3 rooms or areas (Note 5) | Radiation levels that IMPEDE access to equipment necessary for normal plant operations, cooldown or shutdown RA3.1 [1 2 3 4 5 DEF] Dose rates > 15 mR/hr in the Control Room (9RX710) RA3.2 [3 4 5 DEF] An UNPLANNED event results in radiation levels that prohibit or IMPEDE access to ANY Table R-3 rooms or areas (Note 5) | Table R-3 Safe Operation & Shutdown Rooms/Areas <table border="1"> <thead> <tr> <th>Bldg. - Ele.</th> <th>Room/Area</th> <th>OPCON Applicability</th> </tr> </thead> <tbody> <tr> <td>RB 54'</td> <td>41134109 (RHR A/B Pump Rooms)</td> <td>3, 4, 5</td> </tr> <tr> <td>RB 77'</td> <td>4201 (109242 MCC)</td> <td>3, 4, 5</td> </tr> <tr> <td>RB 102'</td> <td>4307 (B SACS Pump Room)</td> <td>3, 4, 5</td> </tr> <tr> <td>RB 102'</td> <td>4328/4322 (North/South HCU)</td> <td>3, 4, 5</td> </tr> </tbody> </table> | Bldg. - Ele. | Room/Area | OPCON Applicability | RB 54' | 41134109 (RHR A/B Pump Rooms) | 3, 4, 5 | RB 77' | 4201 (109242 MCC) | 3, 4, 5 | RB 102' | 4307 (B SACS Pump Room) | 3, 4, 5 | RB 102' | 4328/4322 (North/South HCU) | 3, 4, 5 |
| | Release Point | Monitor | GE | SAE | Alert | UE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPDS - (Total) Offsite Gas Rad Release OR SUM of: FRVS Vent NG + North Plant Vent NG + South Plant Vent NG + Hardened Torus Vent NG | SPDS Point BS097 OR SUM of: 9RX680 + 9RX590 + 9RX580 + 9RX518 | 5.25E+08 µCi/sec | 5.25E+07 µCi/sec | 5.25E+06 µCi/sec | 3.0E+04 µCi/sec | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liquid Radwaste Discharge | 9RX508 | ----- | ----- | ----- | 2X the High Alarm Setpoint | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cooling Tower Blowdown | 9RX506 | ----- | ----- | ----- | 2X the High Alarm Setpoint | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TB Circ Water Discharge | 9RX505 | ----- | ----- | ----- | 2X the High Alarm Setpoint | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bldg. - Ele. | Room/Area | OPCON Applicability | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RB 54' | 41134109 (RHR A/B Pump Rooms) | 3, 4, 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RB 77' | 4201 (109242 MCC) | 3, 4, 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RB 102' | 4307 (B SACS Pump Room) | 3, 4, 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RB 102' | 4328/4322 (North/South HCU) | 3, 4, 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 Spent Fuel Transit & Storage | | | | None | Damage to a loaded cask CONFINEMENT BOUNDARY RU4.1 [1 2 3 4 5 DEF] Damage to a Multi Purpose Canister (MPC) CONFINEMENT BOUNDARY as indicated by on-contact radiation readings ≥ 600 mR/hr (gamma + neutron) on the surface of the spent fuel cask, excluding the air vents, OR ≥ 60 mR/hr (gamma + neutron) on the top of the spent fuel cask. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Security | | HOSTILE ACTION within the PROTECTED AREA HS1.1 [1 2 3 4 5 DEF] A HOSTILE ACTION is occurring or has occurred within the PROTECTED AREA as reported by the Security Operations Supervisor or designee (Note 6) | HOSTILE ACTION within the OWNER CONTROLLED AREA or airborne attack threat within 30 minutes HA1.1 [1 2 3 4 5 DEF] A HOSTILE ACTION is occurring or has occurred within the OCA as reported by the Security Operations Supervisor or designee (Note 6) OR A VALIDATED notification from NRC of an aircraft attack threat within 30 min. of the site (Note 6) | Confirmed SECURITY CONDITION or threat HU1.1 [1 2 3 4 5 DEF] A SECURITY CONDITION that does NOT involve a HOSTILE ACTION as reported by the Security Operations Supervisor or designee (Note 6) OR Notification of a credible security threat directed at the site - (determined by security in accordance with SY-AA-101-132, "Threat Assessment") (Note 6) OR A VALIDATED notification from the NRC providing information of an aircraft threat (Note 6) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 Seismic Event | | | Seismic event greater than OBE levels HU2.1 [1 2 3 4 5 DEF] Actuation of the OBE Seismic Switch (> 0.1 g) as indicated by EITHER : • Annunciator C6-C4 (SEISMIC MON PNL C673) activated • Amber alarm light on the Seismic Switch Power Supply Drawer Panel 10C673 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 Natural or Tech. Hazard | | | Hazardous event HU3.1 [1 2 3 4 5 DEF] A tornado strike within the PROTECTED AREA HU3.2 [1 2 3 4 5 DEF] Internal room or area FLOODING of a magnitude sufficient to require manual or automatic electrical isolation of a SAFETY SYSTEM component needed for the current OPCON HU3.3 [1 2 3 4 5 DEF] Movement of personnel within the PROTECTED AREA is IMPEDED due to an offsite event involving hazardous materials (e.g., an offsite chemical spill or toxic gas release) HU3.4 [1 2 3 4 5 DEF] A hazardous event that results in on-site conditions sufficient to prohibit the plant staff from accessing the site via personal vehicles (Note 7) FIRE potentially degrading the level of safety of the plant HU4.1 [1 2 3 4 5 DEF] A FIRE is NOT extinguished within 15 min. of ANY of the following fire detection indications (Note 1): • Report from the field (i.e., visual observation) • Receipt of multiple (more than 1) fire alarms or indications • Field verification of a single fire alarm AND FIRE is located in ANY Table H-1 area HU4.2 [1 2 3 4 5 DEF] Receipt of a single fire alarm (i.e., NO other indications of a FIRE) AND The fire alarm is indicating a FIRE within ANY Table H-1 area AND The existence of a FIRE is NOT verified within 30 min. of alarm receipt (Note 1) HU4.3 [1 2 3 4 5 DEF] A FIRE within the plant PROTECTED AREA NOT extinguished within 60 min. of the initial report, alarm or indication (Note 1) HU4.4 [1 2 3 4 5 DEF] A FIRE within the plant PROTECTED AREA that requires firefighting support by an offsite fire response agency to extinguish | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 Fire | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 Hazardous Gases | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 Control Room Evacuation | | Inability to control a key safety function from outside the Control Room HS6.1 [1 2 3 4 5 DEF] An event has resulted in plant control being transferred from the Control Room to the Remote Shutdown Panel (RSP) AND Control of ANY of the following key safety functions is NOT reestablished within 15 min. (Note 1): • Reactivity (OPCONs 1 and 2 only) • RPV water level • RCS heat removal | Control Room evacuation resulting in transfer of plant control to alternate locations HA6.1 [1 2 3 4 5 DEF] An event has resulted in plant control being transferred from the Control Room to the Remote Shutdown Panel (RSP) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 EC Judgment | Other conditions exist which in the judgment of the Emergency Coordinator warrant declaration of a GENERAL EMERGENCY HG7.1 [1 2 3 4 5 DEF] Other conditions exist which in the judgment of the Emergency Coordinator indicate that events are in progress or have occurred which involve actual or IMMINENT substantial core degradation or melting with potential for loss of containment integrity or HOSTILE ACTION that results in an actual loss of physical control of the facility. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels offsite for more than the immediate site area. | Other conditions existing that in the judgment of the Emergency Coordinator warrant declaration of a SITE AREA EMERGENCY HS7.1 [1 2 3 4 5 DEF] Other conditions exist which in the judgment of the Emergency Coordinator indicate that events are in progress or have occurred which involve actual or likely major failures of plant functions needed for protection of the public or HOSTILE ACTION that results in intentional damage or malicious acts, (1) toward site personnel or equipment that could lead to the likely failure of or, (2) that prevent effective access to equipment needed for the protection of the public. ANY releases are NOT expected to result in exposure levels beyond the site boundary. | Other conditions exist that in the judgment of the Emergency Coordinator warrant declaration of an ALERT HA7.1 [1 2 3 4 5 DEF] Other conditions exist which, in the judgment of the Emergency Coordinator, indicate that events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant or a security event that involves probable life threatening risk to site personnel or damage to site equipment because of HOSTILE ACTION . Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels. | Other conditions existing that in the judgment of the Emergency Coordinator warrant declaration of an UNUSUAL EVENT HU7.1 [1 2 3 4 5 DEF] Other conditions exist which, in the judgment of the Emergency Coordinator, indicate that events are in progress or have occurred which indicate a potential degradation of the level of safety of the plant or indicate a security threat to facility protection has been initiated. NO releases of radioactive material requiring offsite response or monitoring are expected unless further degradation of SAFETY SYSTEMS occurs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | GENERAL EMERGENCY Implement Att. 4 | SITE AREA EMERGENCY Implement Att. 3 | ALERT Implement Att. 2 | UNUSUAL EVENT Implement Att. 1 (Att. 24 for Common Site) | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------|---|--|---|---|------------------|---------------------------------|-----------------------|------------|-------------------|----------------------------------|------------|-------------------|------------------------|----------------------|---|---|--|---|--|---|---|-----------------------------|--|---|---|-----------|--|--|---|--|
| 1 RPV Level | | Loss of RPV inventory affecting fuel clad integrity with containment challenged CG1.1 [1 2 3 4 5 DEF] RPV compensated level < -161 in. for ≥ 30 min. (Note 1) AND ANY Containment Challenge indication, Table C-2 CG1.2 [1 2 3 4 5 DEF] RPV water level CANNOT be monitored for ≥ 30 min. (Note 1) AND Core uncovery is indicated by UNPLANNED increase in ANY Table C-1 sump or tank levels of sufficient magnitude to indicate core uncovery AND ANY Containment Challenge indication, Table C-2 | Loss of RPV inventory affecting core decay heat removal capability CS1.1 [1 2 3 4 5 DEF] CONTAINMENT CLOSURE NOT established AND RPV compensated level < -129 in. OR CONTAINMENT CLOSURE established AND RPV compensated level < -161 in. CS1.2 [1 2 3 4 5 DEF] RPV water level CANNOT be monitored for ≥ 30 min. (Note 1) AND Core uncovery is indicated by UNPLANNED increase in ANY Table C-1 sump or tank levels of sufficient magnitude to indicate core uncovery | Significant loss of RPV inventory CA1.1 [1 2 3 4 5 DEF] Loss of RPV inventory as indicated by compensated RPV water level < -38 in. CA1.2 [1 2 3 4 5 DEF] RPV water level CANNOT be monitored for ≥ 15 min. (Note 1) AND UNPLANNED increase in ANY Table C-1 sump or tank levels due to a loss of RPV inventory | UNPLANNED loss of RPV inventory CU1.1 [1 2 3 4 5 DEF] UNPLANNED loss of reactor coolant results in RPV water level less than a required lower limit for ≥ 15 min. (Note 1) CU1.2 [1 2 3 4 5 DEF] RPV water level CANNOT be monitored AND UNPLANNED increase in ANY Table C-1 sump or tank levels due to a loss of RPV inventory | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 Loss of AC Power | Table C-2 Containment Challenge Indications <ul style="list-style-type: none">CONTAINMENT CLOSURE NOT established (Note 9)Indications of ≥ 6% H₂ and ≥ 5% O₂ in Drywell or TorusUNPLANNED rise in drywell pressureANY Reactor Bldg rad level > 1000 times normal | Table C-1 Sumps & Tanks <ul style="list-style-type: none">Drywell equipment drain sumpDrywell floor drain sumpReactor Building equipment drain sumpReactor Building floor drain sumpSuppression PoolObservation of RCS leakage that is UNISOLABLE | Loss of ALL offsite and ALL onsite AC power to vital buses for 15 minutes or longer CA2.1 [1 2 3 4 5 DEF] Loss of ALL offsite and ALL onsite AC power to 4.16 KV vital buses for ≥ 15 min. (Note 1) | Loss of ALL but one AC power source to vital buses for 15 minutes or longer CU2.1 [1 2 3 4 5 DEF] AC power capability to 4.16 KV vital buses reduced to a single power source for ≥ 15 min. (Note 1) AND ANY additional single power source failure will result in loss of ALL AC power to SAFETY SYSTEMS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 RCS Temp. | | Table C-3 RCS Heatup Duration Thresholds <table border="1"> <thead> <tr> <th>RCS Status</th> <th>CONTAINMENT CLOSURE Status</th> <th>Heat-up Duration</th> </tr> </thead> <tbody> <tr> <td>Intact</td> <td>NOT Applicable</td> <td>60 min. **</td> </tr> <tr> <td>NOT Intact</td> <td>Established</td> <td>20 min. **</td> </tr> <tr> <td>NOT Intact</td> <td>NOT Established</td> <td>0 min.</td> </tr> </tbody> </table> ** If an RCS heat removal system is in operation within this time frame and RCS temperature is being reduced, the EAL is NOT applicable | RCS Status | CONTAINMENT CLOSURE Status | Heat-up Duration | Intact | NOT Applicable | 60 min. ** | NOT Intact | Established | 20 min. ** | NOT Intact | NOT Established | 0 min. | Loss of ALL offsite and ALL onsite AC power to vital buses for 15 minutes or longer CA3.1 [1 2 3 4 5 DEF] UNPLANNED increase in RCS temperature to > 200°F for > Table C-3 duration (Note 1) OR UNPLANNED RCS pressure increase > 10 psig | UNPLANNED increase in RCS temperature CU3.1 [1 2 3 4 5 DEF] UNPLANNED increase in RCS temperature to > 200°F for > Table C-3 duration (Note 1) CU3.2 [1 2 3 4 5 DEF] Loss of ALL RCS temperature and RPV water level indication for ≥ 15 min. (Note 1) | | | | | | | | | | | | | | |
| | RCS Status | CONTAINMENT CLOSURE Status | Heat-up Duration | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Intact | NOT Applicable | 60 min. ** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | NOT Intact | Established | 20 min. ** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOT Intact | NOT Established | 0 min. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 Loss of DC Power | | Table C-4 Communications Methods <table border="1"> <thead> <tr> <th>System</th> <th>Onsite</th> <th>Offsite</th> <th>NRC</th> </tr> </thead> <tbody> <tr> <td>Direct Inward Dial System (DID)</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>Station Page System (Gaitronics)</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Station Radio System</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Nuclear Emergency Telephone System (NETS)</td> <td></td> <td>X</td> <td>X</td> </tr> <tr> <td>Centrex Phone System (ESSX)</td> <td></td> <td>X</td> <td>X</td> </tr> <tr> <td>NRC (ENS)</td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table> | System | Onsite | Offsite | NRC | Direct Inward Dial System (DID) | X | X | X | Station Page System (Gaitronics) | X | | | Station Radio System | X | | | Nuclear Emergency Telephone System (NETS) | | X | X | Centrex Phone System (ESSX) | | X | X | NRC (ENS) | | | X | Loss of ALL onsite or offsite communications capabilities CU5.1 [1 2 3 4 5 DEF] Loss of ALL Table C-4 onsite communication methods OR Loss of ALL Table C-4 offsite communication methods |
| System | Onsite | Offsite | NRC | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Direct Inward Dial System (DID) | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Station Page System (Gaitronics) | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Station Radio System | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nuclear Emergency Telephone System (NETS) | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Centrex Phone System (ESSX) | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NRC (ENS) | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 Loss of Commun. | | Table C-5 Hazardous Events <ul style="list-style-type: none">Seismic event (earthquake)Internal or external FLOODING eventHigh winds or tornado strikeFIREEXPLOSIONOther events with similar hazard characteristics as determined by the Shift Manager | Hazardous event affecting a SAFETY SYSTEM needed for the current operating mode CA6.1 [1 2 3 4 5 DEF] The occurrence of ANY Table C-5 hazardous event AND EITHER : • Event damage has caused indications of degraded performance in at least one train of a SAFETY SYSTEM needed for the current operating mode • The event has caused VISIBLE DAMAGE to a SAFETY SYSTEM component or structure needed for the current operating mode | Loss of ANY of the following required vital 125 V DC Power Channel combinations as indicated by voltage < 108 V DC for ≥ 15 min. (Note 1): • Channel A and Channel B • Channel A, Channel C (either bus) and Channel D (either bus) • Channel B, Channel C (either bus) and Channel D (either bus) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 Hazardous Event Affecting Safety Systems | | | | None | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---------------|------------------------------|---------------------|--------------------------|---------------------------|-----------------------|------------------------|
| OPCON: | 1 Power Operations | 2 Startup | 3 Hot Shutdown | 4 Cold Shutdown | 5 Refueling | DEF Defueled |
|---------------|------------------------------|---------------------|--------------------------|---------------------------|-----------------------|------------------------|

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| HOPE CREEK WALL CHART (COLD) EP-HC-325-130 Revision 0 | HC EAL WALL CHART - COLD CONDITIONS (RCS ≤ 200°F) |
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