

GENERAL EMERGENCY			SITE AREA EMERGENCY			ALERT			UNUSUAL EVENT		
R Abnorm. Rad Levels / Rad Effluent	1 Rad Effluent	RG01.1 Reading on any Table R-1 effluent radiation monitor > column "UE" for ≥ 15 min. (Notes 1, 2, 3, 4)	RG01.2 Dose assessment using actual meteorology indicates doses > 100 mrem TEDE or 800 mrem thyroid CDE at or beyond the SITE BOUNDARY (Notes 3, 4)	RG01.3 Field survey results indicate EITHER of the following at or beyond the SITE BOUNDARY: - Closed window dose rates > 1000 mR/hr expected to continue for ≥ 30 min. - Analyses of field survey samples indicate thyroid CDE > 800 mrem for 60 min. of inhalation. (Notes 1, 2)	RA01.1 Reading on any Table R-1 effluent radiation monitor > column "SAE" for ≥ 15 min. (Notes 1, 2, 3, 4)	RA01.2 Dose assessment using actual meteorology indicates doses > 10 mrem TEDE or 50 mrem thyroid CDE at or beyond the SITE BOUNDARY (Notes 3, 4)	RA01.3 Analysis of a liquid effluent sample indicates a concentration or release rate that would result in doses > 10 mrem TEDE or 50 mrem thyroid CDE at or beyond the SITE BOUNDARY for 60 min. of exposure (Notes 1, 2)	RA01.4 Field survey results indicate EITHER of the following at or beyond the SITE BOUNDARY: - Closed window dose rates > 10 mR/hr expected to continue for ≥ 60 min. - Analyses of field survey samples indicate thyroid CDE > 50 mrem for 60 min. of inhalation. (Notes 1, 2)	RU01.1 Unplanned loss of water level above irradiated fuel	RU01.1 Unplanned loss of water level above irradiated fuel	RU01.1 Unplanned loss of water level above irradiated fuel
		RG02.1 Spent fuel pool level cannot be monitored for at least the top of the fuel rods for 60 minutes or longer	RG02.1 Spent fuel pool level cannot be monitored for at least 200.7 ft. (Level 3) for ≥ 60 min. (Note 1)	RG02.1 Spent fuel pool level cannot be monitored for at least the top of the fuel rods	RG02.1 Lowering of spent fuel pool level ≤ 260.7 ft. (Level 3)	RG02.1 Lowering of spent fuel pool level ≤ 270.7 ft. (Level 2)	RA02.1 Uncovery of irradiated fuel in the REFUELING PATHWAY	RA02.2 Damage to irradiated fuel resulting in a release of radioactivity	RA02.3 A high alarm on any of the following: - Table R-2 refueling pathway area radiation monitors - 1PRM-1FL-350B-5A, 5B, 5C, 5D, 5E, 5F, 5G, 5H, 5I, 5J, 5K, 5L, 5M, 5N, 5O, 5P, 5Q, 5R, 5S, 5T, 5U, 5V, 5W, 5X, 5Y, 5Z, 5AA, 5AB, 5AC, 5AD, 5AE, 5AF, 5AG, 5AH, 5AI, 5AJ, 5AK, 5AL, 5AM, 5AN, 5AO, 5AP, 5AQ, 5AR, 5AS, 5AT, 5AU, 5AV, 5AW, 5AX, 5AY, 5AZ, 5BA, 5BB, 5BC, 5BD, 5BE, 5BF, 5BG, 5BH, 5BI, 5BJ, 5BK, 5BL, 5BM, 5BN, 5BO, 5BP, 5BQ, 5BR, 5BS, 5BT, 5BU, 5BV, 5BW, 5BX, 5BY, 5BZ, 5CA, 5CB, 5CC, 5CD, 5CE, 5CF, 5CG, 5CH, 5CI, 5CJ, 5CK, 5CL, 5CM, 5CN, 5CO, 5CP, 5CQ, 5CR, 5CS, 5CT, 5CU, 5CV, 5CW, 5CX, 5CY, 5CZ, 5DA, 5DB, 5DC, 5DD, 5DE, 5DF, 5DG, 5DH, 5DI, 5DJ, 5DK, 5DL, 5DM, 5DN, 5DO, 5DP, 5DQ, 5DR, 5DS, 5DT, 5DU, 5DV, 5DW, 5DX, 5DY, 5DZ, 5EA, 5EB, 5EC, 5ED, 5EE, 5EF, 5EG, 5EH, 5EI, 5EJ, 5EK, 5EL, 5EM, 5EN, 5EO, 5EP, 5EQ, 5ER, 5ES, 5ET, 5EU, 5EV, 5EW, 5EX, 5EY, 5EZ, 5FA, 5FB, 5FC, 5FD, 5FE, 5FF, 5FG, 5FH, 5FI, 5FJ, 5FK, 5FL, 5FM, 5FN, 5FO, 5FP, 5FQ, 5FR, 5FS, 5FT, 5FU, 5FV, 5FW, 5FX, 5FY, 5FZ, 5GA, 5GB, 5GC, 5GD, 5GE, 5GF, 5GG, 5GH, 5GI, 5GJ, 5GK, 5GL, 5GM, 5GN, 5GO, 5GP, 5GQ, 5GR, 5GS, 5GT, 5GU, 5GV, 5GW, 5GX, 5GY, 5GZ, 5HA, 5HB, 5HC, 5HD, 5HE, 5HF, 5HG, 5HH, 5HI, 5HJ, 5HK, 5HL, 5HM, 5HN, 5HO, 5HP, 5HQ, 5HR, 5HS, 5HT, 5HU, 5HV, 5HW, 5HX, 5HY, 5HZ, 5IA, 5IB, 5IC, 5ID, 5IE, 5IF, 5IG, 5IH, 5II, 5IJ, 5IK, 5IL, 5IM, 5IN, 5IO, 5IP, 5IQ, 5IR, 5IS, 5IT, 5IU, 5IV, 5IW, 5IX, 5IY, 5IZ, 5JA, 5JB, 5JC, 5JD, 5JE, 5JF, 5JG, 5JH, 5JI, 5JJ, 5JK, 5JL, 5JM, 5JN, 5JO, 5JP, 5JQ, 5JR, 5JS, 5JT, 5JU, 5JV, 5JW, 5JX, 5JY, 5JZ, 5KA, 5KB, 5KC, 5KD, 5KE, 5KF, 5KG, 5KH, 5KI, 5KJ, 5KK, 5KL, 5KM, 5KN, 5KO, 5KP, 5KQ, 5KR, 5KS, 5KT, 5KU, 5KV, 5KW, 5KX, 5KY, 5KZ, 5LA, 5LB, 5LC, 5LD, 5LE, 5LF, 5LG, 5LH, 5LI, 5LJ, 5LK, 5LL, 5LM, 5LN, 5LO, 5LP, 5LQ, 5LR, 5LS, 5LT, 5LU, 5LV, 5LW, 5LX, 5LY, 5LZ, 5MA, 5MB, 5MC, 5MD, 5ME, 5MF, 5MG, 5MH, 5MI, 5MJ, 5MK, 5ML, 5MN, 5MO, 5MP, 5MQ, 5MR, 5MS, 5MT, 5MU, 5MV, 5MW, 5MX, 5MY, 5MZ, 5NA, 5NB, 5NC, 5ND, 5NE, 5NF, 5NG, 5NH, 5NI, 5NJ, 5NK, 5NL, 5NM, 5NO, 5NP, 5NQ, 5NR, 5NS, 5NT, 5NU, 5NV, 5NW, 5NX, 5NY, 5NZ, 5OA, 5OB, 5OC, 5OD, 5OE, 5OF, 5OG, 5OH, 5OI, 5OJ, 5OK, 5OL, 5OM, 5ON, 5OO, 5OP, 5OQ, 5OR, 5OS, 5OT, 5OU, 5OV, 5OW, 5OX, 5OY, 5OZ, 5PA, 5PB, 5PC, 5PD, 5PE, 5PF, 5PG, 5PH, 5PI, 5PJ, 5PK, 5PL, 5PM, 5PN, 5PO, 5PP, 5PQ, 5PR, 5PS, 5PT, 5PU, 5PV, 5PW, 5PX, 5PY, 5PZ, 5QA, 5QB, 5QC, 5QD, 5QE, 5QF, 5QG, 5QH, 5QI, 5QJ, 5QK, 5QL, 5QM, 5QN, 5QO, 5QP, 5QQ, 5QR, 5QS, 5QT, 5QU, 5QV, 5QW, 5QX, 5QY, 5QZ, 5RA, 5RB, 5RC, 5RD, 5RE, 5RF, 5RG, 5RH, 5RI, 5RJ, 5RK, 5RL, 5RM, 5RN, 5RO, 5RP, 5RQ, 5RR, 5RS, 5RT, 5RU, 5RV, 5RW, 5RX, 5RY, 5RZ, 5SA, 5SB, 5SC, 5SD, 5SE, 5SF, 5SG, 5SH, 5SI, 5SJ, 5SK, 5SL, 5SM, 5SN, 5SO, 5SP, 5SQ, 5SR, 5SS, 5ST, 5SU, 5SV, 5SW, 5SX, 5SY, 5SZ, 5TA, 5TB, 5TC, 5TD, 5TE, 5TF, 5TG, 5TH, 5TI, 5TJ, 5TK, 5TL, 5TM, 5TN, 5TO, 5TP, 5TQ, 5TR, 5TS, 5TT, 5TU, 5TV, 5TW, 5TX, 5TY, 5TZ, 5UA, 5UB, 5UC, 5UD, 5UE, 5UF, 5UG, 5UH, 5UI, 5UJ, 5UK, 5UL, 5UM, 5UN, 5UO, 5UP, 5UQ, 5UR, 5US, 5UT, 5UU, 5UV, 5UW, 5UX, 5UY, 5UZ, 5VA, 5VB, 5VC, 5VD, 5VE, 5VF, 5VG, 5VH, 5VI, 5VJ, 5VK, 5VL, 5VM, 5VN, 5VO, 5VP, 5VQ, 5VR, 5VS, 5VT, 5VU, 5VV, 5VW, 5VX, 5VY, 5VZ, 5WA, 5WB, 5WC, 5WD, 5WE, 5WF, 5WG, 5WH, 5WI, 5WJ, 5WK, 5WL, 5WM, 5WN, 5WO, 5WP, 5WQ, 5WR, 5WS, 5WT, 5WU, 5WV, 5WW, 5WX, 5WY, 5WZ, 5XA, 5XB, 5XC, 5XD, 5XE, 5XF, 5XG, 5XH, 5XI, 5XJ, 5XK, 5XL, 5XM, 5XN, 5XO, 5XP, 5XQ, 5XR, 5XS, 5XT, 5XU, 5XV, 5XW, 5XX, 5XY, 5XZ, 5YA, 5YB, 5YC, 5YD, 5YE, 5YF, 5YG, 5YH, 5YI, 5YJ, 5YK, 5YL, 5YM, 5YN, 5YO, 5YP, 5YQ, 5YR, 5YS, 5YT, 5YU, 5YV, 5YW, 5YX, 5YY, 5YZ, 5ZA, 5ZB, 5ZC, 5ZD, 5ZE, 5ZF, 5ZG, 5ZH, 5ZI, 5ZJ, 5ZK, 5ZL, 5ZM, 5ZN, 5ZO, 5ZP, 5ZQ, 5ZR, 5ZS, 5ZT, 5ZU, 5ZV, 5ZW, 5ZX, 5ZY, 5ZZ, 5AA, 5AB, 5AC, 5AD, 5AE, 5AF, 5AG, 5AH, 5AI, 5AJ, 5AK, 5AL, 5AM, 5AN, 5AO, 5AP, 5AQ, 5AR, 5AS, 5AT, 5AU, 5AV, 5AW, 5AX, 5AY, 5AZ, 5BA, 5BB, 5BC, 5BD, 5BE, 5BF, 5BG, 5BH, 5BI, 5BJ, 5BK, 5BL, 5BM, 5BN, 5BO, 5BP, 5BQ, 5BR, 5BS, 5BT, 5BU, 5BV, 5BW, 5BX, 5BY, 5BZ, 5CA, 5CB, 5CC, 5CD, 5CE, 5CF, 5CG, 5CH, 5CI, 5CJ, 5CK, 5CL, 5CM, 5CN, 5CO, 5CP, 5CQ, 5CR, 5CS, 5CT, 5CU, 5CV, 5CW, 5CX, 5CY, 5CZ, 5DA, 5DB, 5DC, 5DD, 5DE, 5DF, 5DG, 5DH, 5DI, 5DJ, 5DK, 5DL, 5DM, 5DN, 5DO, 5DP, 5DQ, 5DR, 5DS, 5DT, 5DU, 5DV, 5DW, 5DX, 5DY, 5DZ, 5EA, 5EB, 5EC, 5ED, 5EE, 5EF, 5EG, 5EH, 5EI, 5EJ, 5EK, 5EL, 5EM, 5EN, 5EO, 5EP, 5EQ, 5ER, 5ES, 5ET, 5EU, 5EV, 5EW, 5EX, 5EY, 5EZ, 5FA, 5FB, 5FC, 5FD, 5FE, 5FF, 5FG, 5FH, 5FI, 5FJ, 5FK, 5FL, 5FM, 5FN, 5FO, 5FP, 5FQ, 5FR, 5FS, 5FT, 5FU, 5FV, 5FW, 5FX, 5FY, 5FZ, 5GA, 5GB, 5GC, 5GD, 5GE, 5GF, 5GG, 5GH, 5GI, 5GJ, 5GK, 5GL, 5GM, 5GN, 5GO, 5GP, 5GQ, 5GR, 5GS, 5GT, 5GU, 5GV, 5GW, 5GX, 5GY, 5GZ, 5HA, 5HB, 5HC, 5HD, 5HE, 5HF, 5HG, 5HH, 5HI, 5HJ, 5HK, 5HL, 5HM, 5HN, 5HO, 5HP, 5HQ, 5HR, 5HS, 5HT, 5HU, 5HV, 5HW, 5HX, 5HY, 5HZ, 5IA, 5IB, 5IC, 5ID, 5IE, 5IF, 5IG, 5IH, 5II, 5IJ, 5IK, 5IL, 5IM, 5IN, 5IO, 5IP, 5IQ, 5IR, 5IS, 5IT, 5IU, 5IV, 5IW, 5IX, 5IY, 5IZ, 5JA, 5JB, 5JC, 5JD, 5JE, 5JF, 5JG, 5JH, 5JI, 5JJ, 5JK, 5JL, 5JM, 5JN, 5JO, 5JP, 5JQ, 5JR, 5JS, 5JT, 5JU, 5JV, 5JW, 5JX, 5JY, 5JZ, 5KA, 5KB, 5KC, 5KD, 5KE, 5KF, 5KG, 5KH, 5KI, 5KJ, 5KK, 5KL, 5KM, 5KN, 5KO, 5KP, 5KQ, 5KR, 5KS, 5KT, 5KU, 5KV, 5KW, 5KX, 5KY, 5KZ, 5LA, 5LB, 5LC, 5LD, 5LE, 5LF, 5LG, 5LH, 5LI, 5LJ, 5LK, 5LL, 5LM, 5LN, 5LO, 5LP, 5LQ, 5LR, 5LS, 5LT, 5LU, 5LV, 5LW, 5LX, 5LY, 5LZ, 5MA, 5MB, 5MC, 5MD, 5ME, 5MF, 5MG, 5MH, 5MI, 5MJ, 5MK, 5ML, 5MN, 5MO, 5MP, 5MQ, 5MR, 5MS, 5MT, 5MU, 5MV, 5MW, 5MX, 5MY, 5MZ, 5NA, 5NB, 5NC, 5ND, 5NE, 5NF, 5NG, 5NH, 5NI, 5NJ, 5NK, 5NL, 5NM, 5NO, 5NP, 5NQ, 5NR, 5NS, 5NT, 5NU, 5NV, 5NW, 5NX, 5NY, 5NZ, 5OA, 5OB, 5OC, 5OD, 5OE, 5OF, 5OG, 5OH, 5OI, 5OJ, 5OK, 5OL, 5OM, 5ON, 5OO, 5OP, 5OQ, 5OR, 5OS, 5OT, 5OU, 5OV, 5OW, 5OX, 5OY, 5OZ, 5PA, 5PB, 5PC, 5PD, 5PE, 5PF, 5PG, 5PH, 5PI, 5PJ, 5PK, 5PL, 5PM, 5PN, 5PO, 5PP, 5PQ, 5PR, 5PS, 5PT, 5PU, 5PV, 5PW, 5PX, 5PY, 5PZ, 5QA, 5QB, 5QC, 5QD, 5QE, 5QF, 5QG, 5QH, 5QI, 5QJ, 5QK, 5QL, 5QM, 5QN, 5QO, 5QP, 5QQ, 5QR, 5QS, 5QT, 5QU, 5QV, 5QW, 5QX, 5QY, 5QZ, 5RA, 5RB, 5RC, 5RD, 5RE, 5RF, 5RG, 5RH, 5RI, 5RJ, 5RK, 5RL, 5RM, 5RN, 5RO, 5RP, 5RQ, 5RR, 5RS, 5RT, 5RU, 5RV, 5RW, 5RX, 5RY, 5RZ, 5SA, 5SB, 5SC, 5SD, 5SE, 5SF, 5SG, 5SH, 5SI, 5SJ, 5SK, 5SL, 5SM, 5SN, 5SO, 5SP, 5SQ, 5SR, 5SS, 5ST, 5SU, 5SV, 5SW, 5SX, 5SY, 5SZ, 5TA, 5TB, 5TC, 5TD, 5TE, 5TF, 5TG, 5TH, 5TI, 5TJ, 5TK, 5TL, 5TM, 5TN, 5TO, 5TP, 5TQ, 5TR, 5TS, 5TT, 5TU, 5TV, 5TW, 5TX, 5TY, 5TZ, 5UA, 5UB, 5UC, 5UD, 5UE, 5UF, 5UG, 5UH, 5UI, 5UJ, 5UK, 5UL, 5UM, 5UN, 5UO, 5UP, 5UQ, 5UR, 5US, 5UT, 5UU, 5UV, 5UW, 5UX, 5UY, 5UZ, 5VA, 5VB, 5VC, 5VD, 5VE, 5VF, 5VG, 5VH, 5VI, 5VJ, 5VK, 5VL, 5VM, 5VN, 5VO, 5VP, 5VQ, 5VR, 5VS, 5VT, 5VU, 5VV, 5VW, 5VX, 5VY, 5VZ, 5WA, 5WB, 5WC, 5WD, 5WE, 5WF, 5WG, 5WH, 5WI, 5WJ, 5WK, 5WL, 5WM, 5WN, 5WO, 5WP, 5WQ, 5WR, 5WS, 5WT, 5WU, 5WV, 5WW, 5WX, 5WY, 5WZ, 5XA, 5XB, 5XC, 5XD, 5XE, 5XF, 5XG, 5XH, 5XI, 5XJ, 5XK, 5XL, 5XM, 5XN, 5XO, 5XP, 5XQ, 5XR, 5XS, 5XT, 5XU, 5XV, 5XW, 5XX, 5XY, 5XZ, 5YA, 5YB, 5YC, 5YD, 5YE, 5YF, 5YG, 5YH, 5YI, 5YJ, 5YK, 5YL, 5YM, 5YN, 5YO, 5YP, 5YQ, 5YR, 5YS, 5YT, 5YU, 5YV, 5YW, 5YX, 5YY, 5YZ, 5ZA, 5ZB, 5ZC, 5ZD, 5ZE, 5ZF, 5ZG, 5ZH, 5ZI, 5ZJ, 5ZK, 5ZL, 5ZM, 5ZN, 5ZO, 5ZP, 5ZQ, 5ZR, 5ZS, 5ZT, 5ZU, 5ZV, 5ZW, 5ZX, 5ZY, 5ZZ, 5AA, 5AB, 5AC, 5AD, 5AE, 5AF, 5AG, 5AH, 5AI, 5AJ, 5AK, 5AL, 5AM, 5AN, 5AO, 5AP, 5AQ, 5AR, 5AS, 5AT, 5AU, 5AV, 5AW, 5AX, 5AY, 5AZ, 5BA, 5BB, 5BC, 5BD, 5BE, 5BF, 5BG, 5BH, 5BI, 5BJ, 5BK, 5BL, 5BM, 5BN, 5BO, 5BP, 5BQ, 5BR, 5BS, 5BT, 5BU, 5BV, 5BW, 5BX, 5BY, 5BZ, 5CA, 5CB, 5CC, 5CD, 5CE, 5CF, 5CG, 5CH, 5CI, 5CJ, 5CK, 5CL, 5CM, 5CN, 5CO, 5CP, 5CQ, 5CR, 5CS, 5CT, 5CU, 5CV, 5CW, 5CX, 5CY, 5CZ, 5DA, 5DB, 5DC, 5DD, 5DE, 5DF, 5DG, 5DH, 5DI, 5DJ, 5DK, 5DL, 5DM, 5DN, 5DO, 5DP, 5DQ, 5DR, 5DS, 5DT, 5DU, 5DV, 5DW, 5DX, 5DY, 5DZ, 5EA, 5EB, 5EC, 5ED, 5EE, 5EF, 5EG, 5EH, 5EI, 5EJ, 5EK, 5EL, 5EM, 5EN, 5EO, 5EP, 5EQ, 5ER, 5ES, 5ET, 5EU, 5EV, 5EW, 5EX, 5EY, 5EZ, 5FA, 5FB, 5FC, 5FD, 5FE, 5FF, 5FG, 5FH, 5FI, 5FJ, 5FK, 5FL, 5FM, 5FN, 5FO, 5FP, 5FQ, 5FR, 5FS, 5FT, 5FU, 5FV, 5FW, 5FX, 5FY, 5FZ, 5GA, 5GB, 5GC, 5GD, 5GE, 5GF, 5GG, 5GH, 5GI, 5GJ, 5GK, 5GL, 5GM, 5GN, 5GO, 5GP, 5GQ, 5GR, 5GS, 5GT, 5GU, 5GV, 5GW, 5GX, 5GY, 5GZ, 5HA, 5HB, 5HC, 5HD, 5HE, 5HF, 5HG, 5HH, 5HI, 5HJ, 5HK, 5HL, 5HM, 5HN, 5HO, 5HP, 5HQ, 5HR, 5HS, 5HT, 5HU, 5HV, 5HW, 5HX, 5HY, 5HZ, 5IA, 5IB, 5IC, 5ID, 5IE, 5IF, 5IG, 5IH, 5II, 5IJ, 5IK, 5IL, 5IM, 5IN, 5IO, 5IP, 5IQ, 5IR, 5IS, 5IT, 5IU, 5IV, 5IW, 5IX, 5IY, 5IZ, 5JA, 5JB, 5JC, 5JD, 5JE, 5JF, 5JG, 5JH, 5JI, 5JJ, 5JK, 5JL, 5JM, 5JN, 5JO, 5JP, 5JQ, 5JR, 5JS, 5JT, 5JU, 5JV, 5JW, 5JX, 5JY, 5JZ, 5KA, 5KB, 5KC, 5KD, 5KE, 5KF, 5KG, 5KH, 5KI, 5KJ, 5KK, 5KL, 5KM, 5KN, 5KO, 5KP, 5KQ, 5KR, 5KS, 5KT, 5KU, 5KV, 5KW, 5KX, 5KY, 5KZ, 5LA, 5LB, 5LC, 5LD, 5LE, 5LF, 5LG, 5LH, 5LI, 5LJ, 5LK, 5LL, 5LM, 5LN, 5LO, 5LP, 5LQ, 5LR, 5LS, 5LT, 5LU, 5LV, 5LW, 5LX, 5LY, 5LZ, 5MA, 5MB, 5MC, 5MD, 5ME, 5MF, 5MG, 5MH, 5MI, 5MJ, 5MK, 5ML, 5MN, 5MO, 5MP, 5MQ, 5MR, 5MS, 5MT, 5MU, 5MV, 5MW, 5MX, 5MY, 5MZ, 5NA, 5NB, 5NC, 5ND, 5NE, 5NF, 5NG, 5NH, 5NI, 5NJ, 5NK, 5NL, 5NM, 5NO, 5NP, 5NQ, 5NR, 5NS, 5NT, 5NU, 5NV, 5NW, 5NX, 5NY, 5NZ, 5OA, 5OB, 5OC, 5OD, 5OE, 5OF, 5OG, 5OH, 5OI, 5OJ, 5OK, 5OL, 5OM, 5ON, 5OO, 5OP, 5OQ, 5OR, 5OS, 5OT, 5OU, 5OV, 5OW, 5OX, 5OY, 5OZ, 5PA, 5PB, 5PC, 5PD, 5PE, 5PF, 5PG, 5PH, 5PI, 5PJ, 5PK, 5PL, 5PM, 5PN, 5PO, 5PP, 5PQ, 5PR, 5PS, 5PT, 5PU, 5PV, 5PW, 5PX, 5PY, 5PZ, 5QA, 5QB, 5QC, 5QD, 5QE, 5QF, 5QG, 5QH, 5QI, 5QJ, 5QK, 5QL, 5QM, 5QN, 5QO, 5QP, 5QQ, 5QR, 5QS, 5QT, 5QU, 5QV, 5QW, 5QX, 5QY, 5QZ, 5RA, 5RB, 5RC, 5RD, 5RE, 5RF, 5RG, 5RH, 5RI, 5RJ, 5RK, 5RL, 5RM, 5RN, 5RO, 5RP, 5RQ, 5RR, 5RS, 5RT, 5RU, 5RV, 5RW, 5RX, 5RY, 5RZ, 5SA, 5SB, 5SC, 5SD, 5SE, 5SF, 5SG, 5SH, 5SI, 5SJ, 5SK, 5SL, 5SM, 5SN, 5SO, 5SP, 5SQ, 5SR, 5SS, 5ST, 5SU, 5SV, 5SW, 5SX, 5SY, 5SZ, 5TA, 5TB, 5TC, 5TD, 5TE, 5TF, 5TG, 5TH, 5TI, 5TJ, 5TK, 5TL, 5TM, 5TN, 5TO, 5TP, 5TQ, 5TR, 5TS, 5TT, 5TU, 5TV, 5TW, 5TX, 5TY, 5TZ, 5UA, 5UB, 5UC, 5UD, 5UE, 5UF, 5UG, 5UH, 5UI, 5UJ, 5UK, 5UL, 5UM, 5UN, 5UO, 5UP, 5UQ, 5UR, 5US, 5UT, 5UU, 5UV, 5UW, 5UX, 5UY, 5UZ, 5VA, 5VB, 5VC, 5VD, 5VE, 5VF, 5VG, 5VH, 5VI, 5VJ, 5VK, 5VL, 5VM, 5VN, 5VO, 5VP, 5VQ, 5VR, 5VS, 5VT, 5VU, 5VV, 5VW, 5VX, 5VY, 5VZ, 5WA, 5WB, 5WC, 5WD, 5WE, 5WF, 5WG, 5WH, 5WI, 5WJ, 5WK, 5WL, 5WM, 5WN, 5WO, 5WP, 5WQ, 5WR, 5WS, 5WT, 5WU, 5WV, 5WW, 5WX, 5WY, 5WZ, 5XA, 5XB, 5XC, 5XD, 5XE, 5XF, 5XG, 5XH, 5XI, 5XJ, 5XK, 5XL, 5XM, 5XN, 5XO, 5XP, 5XQ, 5XR, 5XS, 5XT, 5XU, 5XV, 5XW, 5XX, 5XY, 5XZ, 5YA, 5YB, 5YC, 5YD, 5YE, 5YF, 5YG, 5YH, 5YI, 5YJ, 5YK, 5YL, 5YM, 5YN, 5YO, 5YP, 5YQ, 5YR, 5YS, 5YT, 5YU, 5YV, 5YW, 5YX, 5YY, 5YZ, 5ZA, 5ZB, 5ZC, 5ZD, 5ZE, 5ZF, 5ZG, 5ZH, 5ZI, 5ZJ, 5ZK, 5ZL, 5ZM, 5ZN, 5ZO, 5ZP, 5ZQ, 5ZR, 5ZS, 5ZT, 5ZU, 5ZV, 5ZW, 5ZX, 5ZY, 5ZZ, 5AA, 5AB, 5AC, 5AD, 5AE, 5AF, 5AG, 5AH, 5AI, 5AJ, 5AK, 5AL, 5AM, 5AN, 5AO, 5AP, 5AQ, 5AR, 5AS, 5AT, 5AU, 5AV, 5AW, 5AX, 5AY, 5AZ, 5BA, 5BB, 5BC, 5BD, 5BE, 5BF, 5BG, 5BH, 5BI, 5BJ, 5BK, 5BL, 5BM, 5BN, 5BO, 5BP, 5BQ, 5BR, 5BS, 5BT, 5BU, 5BV, 5BW, 5BX, 5BY, 5BZ, 5CA, 5CB, 5CC, 5CD, 5CE, 5CF, 5CG, 5CH, 5CI, 5CJ, 5CK, 5CL, 5CM, 5CN, 5CO, 5CP, 5CQ, 5CR, 5CS, 5CT, 5CU, 5CV, 5CW, 5CX, 5CY, 5CZ, 5DA, 5DB, 5DC, 5DD, 5DE, 5DF, 5DG, 5DH, 5DI, 5DJ, 5DK, 5DL, 5DM, 5DN, 5DO, 5DP, 5DQ, 5DR, 5DS, 5DT, 5DU, 5DV, 5DW, 5DX, 5DY, 5DZ, 5EA, 5EB, 5EC, 5ED, 5EE, 5EF, 5EG, 5EH, 5EI, 5EJ, 5EK, 5EL, 5EM, 5EN, 5EO, 5EP, 5EQ, 5ER, 5ES, 5ET, 5EU, 5EV, 5EW, 5EX, 5EY, 5EZ, 5FA, 5FB, 5FC, 5FD, 5FE, 5FF, 5FG, 5FH, 5FI, 5FJ, 5FK, 5FL, 5FM, 5FN, 5FO, 5FP, 5FQ, 5FR, 5FS, 5FT, 5FU, 5FV, 5FW, 5FX, 5FY, 5FZ, 5GA, 5GB, 5GC, 5GD, 5GE, 5GF, 5GG, 5GH, 5GI, 5GJ, 5GK, 5GL, 5GM, 5GN, 5GO, 5GP, 5GQ, 5GR, 5GS, 5GT, 5GU, 5GV, 5GW, 5GX, 5GY, 5GZ, 5HA, 5HB, 5HC, 5HD, 5HE, 5HF, 5HG, 5HH, 5HI, 5HJ, 5HK, 5HL, 5HM, 5HN, 5HO, 5HP, 5HQ, 5HR, 5HS, 5HT, 5HU, 5HV, 5HW, 5HX, 5HY, 5HZ, 5IA, 5IB, 5IC, 5ID, 5IE, 5IF, 5IG, 5IH, 5II, 5IJ, 5IK, 5IL, 5IM, 5IN, 5IO, 5IP, 5IQ, 5IR, 5IS, 5IT, 5IU, 5IV, 5IW, 5IX, 5IY, 5IZ, 5JA, 5JB, 5JC, 5JD, 5JE, 5JF, 5JG, 5JH, 5JI, 5JJ, 5JK, 5JL, 5JM, 5JN, 5JO, 5JP, 5JQ, 5JR, 5JS, 5JT, 5JU, 5JV, 5JW, 5JX, 5JY, 5JZ, 5KA, 5KB, 5KC, 5KD, 5KE, 5KF, 5KG, 5KH, 5KI, 5KJ, 5KK, 5KL, 5KM, 5KN, 5KO, 5KP, 5KQ, 5KR, 5KS, 5KT, 5KU, 5KV, 5KW, 5KX, 5KY, 5KZ, 5LA, 5LB, 5LC, 5LD, 5LE, 5LF, 5LG, 5LH, 5LI, 5LJ, 5LK, 5LL, 5LM, 5LN, 5LO, 5LP, 5LQ, 5LR, 5LS, 5LT, 5LU, 5LV, 5LW, 5LX, 5LY, 5LZ, 5MA, 5MB, 5MC, 5MD, 5ME, 5MF, 5MG, 5MH, 5MI, 5MJ, 5MK, 5ML, 5MN, 5MO, 5MP, 5MQ, 5MR, 5MS, 5MT, 5MU, 5MV, 5MW, 5MX, 5MY, 5MZ, 5NA, 5NB, 5NC, 5ND, 5NE, 5NF, 5NG, 5NH, 5NI, 5NJ, 5NK, 5NL, 5NM, 5NO, 5NP, 5NQ, 5NR, 5NS, 5NT, 5NU, 5NV, 5NW, 5NX, 5NY, 5NZ, 5OA, 5OB, 5OC, 5OD, 5OE, 5OF, 5OG, 5OH, 5OI, 5OJ, 5OK, 5OL, 5OM, 5ON, 5OO, 5OP, 5OQ, 5OR, 5OS, 5OT, 5OU, 5OV, 5OW, 5OX, 5OY, 5OZ, 5PA, 5PB, 5PC, 5PD, 5PE, 5PF, 5PG, 5PH, 5PI, 5PJ, 5PK, 5PL, 5PM, 5PN, 5PO, 5PP, 5PQ, 5PR, 5PS, 5PT, 5PU, 5PV, 5PW, 5PX, 5PY, 5PZ, 5QA, 5QB, 5QC, 5QD, 5QE, 5QF, 5QG, 5QH, 5QI, 5QJ, 5QK, 5QL, 5QM, 5QN, 5QO, 5QP, 5QQ, 5QR, 5QS, 5QT, 5QU, 5QV, 5QW, 5QX, 5QY, 5QZ, 5RA, 5RB, 5RC, 5RD, 5RE, 5RF, 5RG, 5RH, 5RI, 5RJ, 5RK, 5RL, 5RM, 5RN, 5RO, 5RP, 5RQ, 5RR, 5RS, 5RT, 5RU, 5RV, 5RW, 5RX, 5RY, 5RZ, 5SA, 5SB, 5SC, 5SD, 5SE, 5SF, 5SG, 5SH, 5SI, 5SJ, 5SK, 5SL, 5SM, 5SN, 5SO, 5SP, 5SQ, 5SR, 5SS, 5ST, 5SU, 5SV, 5SW, 5SX, 5SY, 5SZ, 5TA, 5TB, 5TC, 5TD, 5TE, 5TF, 5TG, 5TH, 5TI, 5TJ, 5TK, 5TL, 5TM, 5TN, 5TO, 5TP, 5TQ, 5TR, 5TS, 5TT, 5TU, 5TV, 5TW, 5TX, 5TY, 5TZ, 5UA, 5UB, 5UC, 5UD, 5UE, 5UF, 5UG, 5UH, 5UI, 5UJ, 5UK, 5UL, 5UM, 5UN, 5UO, 5UP, 5UQ, 5UR, 5US, 5UT, 5UU, 5UV, 5UW, 5UX, 5UY, 5UZ, 5VA, 5VB, 5VC, 5VD, 5VE, 5VF, 5VG, 5VH, 5VI, 5VJ, 5VK, 5VL, 5VM, 5VN, 5VO, 5VP, 5VQ, 5VR, 5VS, 5VT, 5VU, 5VV, 5VW, 5VX, 5VY, 5VZ, 5WA, 5WB, 5WC, 5WD, 5WE, 5WF, 5WG, 5WH, 5WI, 5WJ, 5WK, 5WL, 5WM, 5WN, 5WO, 5WP, 5WQ, 5WR, 5WS, 5WT, 5WU, 5WV, 5WW, 5WX, 5WY, 5WZ, 5XA, 5XB, 5XC, 5XD, 5XE, 5XF, 5XG, 5XH, 5XI, 5XJ, 5XK, 5XL, 5XM, 5XN, 5XO, 5XP, 5XQ, 5XR, 5XS, 5XT, 5XU, 5XV, 5XW, 5XX, 5XY, 5XZ, 5YA, 5YB, 5YC, 5YD, 5YE, 5YF, 5YG, 5YH, 5YI, 5YJ, 5YK, 5YL, 5YM, 5YN, 5YO, 5YP, 5YQ, 5YR, 5YS, 5YT, 5YU, 5YV, 5YW, 5YX, 5YY, 5YZ, 5ZA, 5ZB, 5ZC, 5ZD, 5ZE, 5ZF, 5ZG, 5ZH, 5ZI, 5ZJ, 5ZK, 5ZL, 5ZM, 5ZN, 5ZO, 5ZP, 5ZQ, 5ZR, 5ZS, 5ZT, 5ZU, 5ZV, 5ZW, 5ZX, 5ZY, 5ZZ, 5AA, 5AB, 5AC, 5AD, 5AE, 5AF, 5AG, 5AH, 5AI, 5AJ, 5AK, 5AL, 5AM, 5AN, 5AO, 5AP, 5AQ, 5AR, 5AS, 5AT, 5AU, 5AV, 5AW, 5AX, 5AY, 5AZ, 5BA, 5BB, 5BC, 5BD, 5BE, 5BF, 5BG,		

Modes:	1	2	3	4	5	6	DEF	DUKE ENERGY	Harris Nuclear Plant Classification of Emergency EP-EAL Revision 0
	Power Operations	Startup	Hot Standby	Hot Shutdown	Cold Shutdown	Refuel	Defueled		

GENERAL EMERGENCY			SITE AREA EMERGENCY			ALERT			UNUSUAL EVENT		
C Cold Sd/ Refuel System Malfunction	1 RCS Level	CO1.1 RCS level < 63% RVLS Full Range for ≥ 30 min. (Note 1) AND Any Containment Challenge indication, Table C-2	CO1.2 RCS water level cannot be monitored for ≥ 30 min. (Note 1) AND Core uncover is indicated by any of the following: - UNPLANNED increase in any Table C-1 sump or tank due to a loss of RCS inventory - Visual observation of UNUSABLE RCS leakage - Containment radiation > 10,000 R/hr (RM-1CR-3589-SA or RM-1CR-3589-SB) - Containment radiation > 10,000 R/hr (RM-1CR-3589-SA or RM-1CR-3589-SB) - Erratic source range monitor indication AND Any Containment Challenge indication, Table C-2	CO1.1 RCS level < 63% RVLS Full Range for ≥ 30 min. (Note 1) AND Any Containment Challenge indication, Table C-2	CO1.2 RCS water level cannot be monitored for ≥ 30 min. (Note 1) AND Core uncover is indicated by any of the following: - UNPLANNED increase in any Table C-1 sump or tank due to a loss of RCS inventory - Visual observation of UNUSABLE RCS leakage - Containment radiation > 10,000 R/hr (RM-1CR-3589-SA or RM-1CR-3589-SB) - Containment radiation > 10,000 R/hr (RM-1CR-3589-SA or RM-1CR-3589-SB) - Erratic source range monitor indication AND Any Containment Challenge indication, Table C-2	CO1.1 RCS level < 63% RVLS Full Range for ≥ 30 min. (Note 1) AND Any Containment Challenge indication, Table C-2	CO1.2 RCS water level cannot be monitored for ≥ 30 min. (Note 1) AND Core uncover is indicated by any of the following: - UNPLANNED increase in any Table C-1 sump or tank due to a loss of RCS inventory - Visual observation of UNUSABLE RCS leakage - Containment radiation > 10,000 R/hr (RM-1CR-3589-SA or RM-1CR-3589-SB) - Containment radiation > 10,000 R/hr (RM-1CR-3589-SA or RM-1CR-3589-SB) - Erratic source range monitor indication AND Any Containment Challenge indication, Table C-2	CU1.1 UNPLANNED loss of reactor coolant results in RCS water level less than a required lower limit for ≥ 15 min. (Note 1)	CU1.2 RCS water level cannot be monitored for ≥ 30 min. (Note 1) AND UNPLANNED increase in any Table C-1 sump or tank due to a loss of RCS inventory - Visual observation of UNUSABLE RCS leakage	CU1.1 UNPLANNED loss of reactor coolant results in RCS water level less than a required lower limit for ≥ 15 min. (Note 1)	CU1.2 RCS water level cannot be monitored for ≥ 30 min. (Note 1) AND UNPLANNED increase in any Table C-1 sump or tank due to a loss of RCS inventory - Visual observation of UNUSABLE RCS leakage
		Table C-2 Containment Challenge Indications - Containment Closure not established (Note 6) - Containment hydrogen concentration ≥ 4% - Unplanned rise in Containment pressure	Table C-1 Sumps / Tanks - Containment sumps - PRT - RCOT - CCW surge tank - RAB sumps - RABST - RABMST - Recycle Holdup Tank	Table C-2 Containment Challenge Indications - Containment Closure not established (Note 6) - Containment hydrogen concentration ≥ 4% - Unplanned rise in Containment pressure	Table C-1 Sumps / Tanks - Containment sumps - PRT - RCOT - CCW surge tank - RAB sumps - RABST - RABMST - Recycle Holdup Tank	Table C-2 Containment Challenge Indications - Containment Closure not established (Note 6) - Containment hydrogen concentration ≥ 4% - Unplanned rise in Containment pressure	Table C-1 Sumps / Tanks - Containment sumps - PRT - RCOT - CCW surge tank - RAB sumps - RABST - RABMST - Recycle Holdup Tank	CU1.1 UNPLANNED loss of reactor coolant results in RCS water level less than a required lower limit for ≥ 15 min. (Note 1)	CU1.2 RCS water level cannot be monitored for ≥ 30 min. (Note 1) AND UNPLANNED increase in any Table C-1 sump or tank due to a loss of RCS inventory - Visual observation of UNUSABLE RCS leakage	CU1.1 UNPLANNED loss of reactor coolant results in RCS water level less than a required lower limit for ≥ 15 min. (Note 1)	CU1.2 RCS water level cannot be monitored for ≥ 30 min. (Note 1) AND UNPLANNED increase in any Table C-1 sump or tank due to a loss of RCS inventory - Visual observation of UNUSABLE RCS leakage
		Table C-2 Containment Challenge Indications - Containment Closure not established (Note 6) - Containment hydrogen concentration ≥ 4% - Unplanned rise in Containment pressure	Table C-1 Sumps / Tanks - Containment sumps - PRT - RCOT - CCW surge tank - RAB sumps - RABST - RABMST - Recycle Holdup Tank	Table C-2 Containment Challenge Indications - Containment Closure not established (Note 6) - Containment hydrogen concentration ≥ 4% - Unplanned rise in Containment pressure	Table C-1 Sumps / Tanks - Containment sumps - PRT - RCOT - CCW surge tank - RAB sumps - RABST - RABMST - Recycle Holdup Tank	Table C-2 Containment Challenge Indications - Containment Closure not established (Note 6) - Containment hydrogen concentration ≥ 4% - Unplanned rise in Containment pressure	Table C-1 Sumps / Tanks - Containment sumps - PRT - RCOT - CCW surge tank - RAB sumps - RABST - RABMST - Recycle Holdup Tank	CU1.1 UNPLANNED loss of reactor coolant results in RCS water level less than a required lower limit for ≥ 15 min. (Note 1)	CU1.2 RCS water level cannot be monitored for ≥ 30 min. (Note 1) AND UNPLANNED increase in any Table C-1 sump or tank due to a loss of RCS inventory - Visual observation of UNUSABLE RCS leakage	CU1.1 UNPLANNED loss of reactor coolant results in RCS water level less than a required lower limit for ≥ 15 min. (Note 1)	CU1.2 RCS water level cannot be monitored for ≥ 30 min. (Note 1) AND UNPLANNED increase in any Table C-1 sump or tank due to a loss of RCS inventory - Visual observation of UNUSABLE RCS leakage
	2 Loss of Emergency AC Power	None	None	None	None	None	None	None	None	None	None
		None	None	None	None	None	None	None	None	None	None
	3 RCS Temp.	None	None	None	None	None	None	None	None	None	None
		None	None	None	None	None	None	None	None	None	None
	4 Loss of DC Power	None	None	None	None	None	None	None	None	None	None
		None	None	None	None	None	None	None	None	None	None
	5 Loss of Comm.	None	None	None	None	None	None	None	None	None	None
		None	None	None	None	None	None	None	None	None	None
	6 Hazardous Event Affecting Safety Systems	None	None	None	None	None	None	None	None	None	None
		None	None	None	None	None	None	None	None	None	None
7 EC Judgment	6 Control Room Evacuation	None	None	None	None	None	None	None	None	None	None
		None	None	None	None	None	None	None	None	None	None

NOTES

Note 1: The Emergency Coordinator should declare the event promptly upon determining that time limit has been exceeded, or will likely be exceeded.

Note 2: If an ongoing release is detected and the release start time is unknown, assume that the release duration has exceeded the specified time limit.

Note 3: If the effluent flow past an effluent monitor is known to have stopped, indicating that the release path is isolated, the effluent monitor reading is no longer valid for classification purposes.

Note 4: The pre-calculated effluent monitor values presented in EALs RA1.1, RS1.1 and RS1.2 should be used for emergency classification assessments until the results from a dose assessment using actual meteorology are available. If dose assessment results are available, decision should be based on dose assessment instead of radiation monitor values.

Note 5: If the equipment in the listed room or area was already inoperable or out-of-service before the event occurred, then no emergency classification is warranted.

Note 6: This EAL does not apply to routine traffic impediments such as fog, snow, ice, or vehicle breakdowns or accidents.

Note 7: This EAL does not apply to routine traffic impediments such as fog, snow, ice, or vehicle breakdowns or accidents.

Note 8: A manual trip action is any operator action, or set of actions, which causes the control rods to be rapidly inserted into the core, and does not include manually driving in control rods or implementation of boron injection strategies.

RCS Levels			
	Plant EL	Standpipe	RVLS Full Range
Reactor Vessel Plunge	250.62'	0"	69%
RHR Pump Operations	253.75'	-62"	70%
0 in. < Bottom of Hotleg	252.04'	---	70%
Top of Active Fuel	249.01'	---	63%

D02X