

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)     | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|--------------------------------------|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
| <b>Fluid Systems</b>                 |               |   |                               |  |                                       |                          |                                    |
| <b>Reactor Coolant System (RCS)</b>  |               |   |                               |  |                                       |                          |                                    |
| <b>RPV</b>                           |               |   |                               |  |                                       |                          |                                    |
| RPV O-ring Leakoff Vlv #2 Actuator   | 30JAA10AA004  | 30UJA15005                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| RPV High Pt Vent Vlv #1 Actuator     | 30JAA10AA501  | 30UJA18019                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| RPV High Pt Vent Vlv #2 Actuator     | 30JAA10AA502  | 30UJA18019                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| Post Acc RPV High Pt Vent Vlv #1 Act | 30JAA10AA508  | 30UJA18019                              | H                             | H  | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| Post Acc RPV High Pt Vent Vlv #2 Act | 30JAA10AA509  | 30UJA18019                              | H                             | H  | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| Post Acc RPV High Pt Vent Vlv #3 Act | 30JAA10AA510  | 30UJA18019                              | H                             | H  | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| Post Acc RPV High Pt Vent Vlv #4 Act | 30JAA10AA511  | 30UJA18019                              | H                             | H  | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| Vlv AA503 Position Sensor            | 30JAA10CG503B | 30UJA18019                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| Vlv AA504 Position Sensor            | 30JAA10CG504B | 30UJA18019                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| Vlv AA505 Position Sensor            | 30JAA10CG505B | 30UJA18019                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| RPV Inner O-Ring Press Sensor        | 30JAA10CP050  | 30UJA15005                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| RPV Inner O-Ring Temp Sensor         | 30JAA10CT050  | 30UJA15005                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| <b>CRDMs</b>                         |               |   |                               |  |                                       |                          |                                    |
| CRDM #1 Operating Coil               | 30JDA01AE     | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #1 Position Sensor              | 30JDA01CG801  | 30UJA11001                              | H                             | H  | RT                                    | SI S 1E EMC              | Y (1) Y (5)                        |
| CRDM #1 Top Position Limit Sensor    | 30JDA01CG802  | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #1 Bottom Position Limit Sensor | 30JDA01CG803  | 30UJA11001                              | H                             | H  | PAM                                   | SII NS-AQ EMC            | Y (1) Y (5)                        |
| CRDM #1 Temperature Sensor           | 30JDA01CT801  | 30UJA11001                              | H                             | H  | RT                                    | SI S 1E EMC              | Y (1) Y (5)                        |
| CRDM #2 Operating Coil               | 30JDA02AE     | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #2 Position Sensor              | 30JDA02CG801  | 30UJA11001                              | H                             | H  | RT                                    | SI S 1E EMC              | Y (1) Y (5)                        |
| CRDM #2 Top Position Limit Sensor    | 30JDA02CG802  | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #2 Bottom Position Limit Sensor | 30JDA02CG803  | 30UJA11001                              | H                             | H  | PAM                                   | SII NS-AQ EMC            | Y (1) Y (5)                        |
| CRDM #2 Temperature Sensor           | 30JDA02CT801  | 30UJA11001                              | H                             | H  | RT                                    | SI S 1E EMC              | Y (1) Y (5)                        |
| CRDM #3 Operating Coil               | 30JDA03AE     | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #3 Position Sensor              | 30JDA03CG801  | 30UJA11001                              | H                             | H  | RT                                    | SI S 1E EMC              | Y (1) Y (5)                        |
| CRDM #3 Top Position Limit Sensor    | 30JDA03CG802  | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #3 Bottom Position Limit Sensor | 30JDA03CG803  | 30UJA11001                              | H                             | H  | PAM                                   | SII NS-AQ EMC            | Y (1) Y (5)                        |
| CRDM #3 Temperature Sensor           | 30JDA03CT801  | 30UJA11001                              | H                             | H  | RT                                    | SI S 1E EMC              | Y (1) Y (5)                        |
| CRDM #4 Operating Coil               | 30JDA04AE     | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #4 Position Sensor              | 30JDA04CG801  | 30UJA11001                              | H                             | H  | RT                                    | SI S 1E EMC              | Y (1) Y (5)                        |
| CRDM #4 Top Position Limit Sensor    | 30JDA04CG802  | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #4 Bottom Position Limit Sensor | 30JDA04CG803  | 30UJA11001                              | H                             | H  | PAM                                   | SII NS-AQ EMC            | Y (1) Y (5)                        |
| CRDM #4 Temperature Sensor           | 30JDA04CT801  | 30UJA11001                              | H                             | H  | RT                                    | SI S 1E EMC              | Y (1) Y (5)                        |
| CRDM #5 Operating Coil               | 30JDA05AE     | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #5 Position Sensor              | 30JDA05CG801  | 30UJA11001                              | H                             | H  | RT                                    | SI S 1E EMC              | Y (1) Y (5)                        |
| CRDM #5 Top Position Limit Sensor    | 30JDA05CG802  | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #5 Bottom Position Limit Sensor | 30JDA05CG803  | 30UJA11001                              | H                             | H  | PAM                                   | SII NS-AQ EMC            | Y (1) Y (5)                        |
| CRDM #5 Temperature Sensor           | 30JDA05CT801  | 30UJA11001                              | H                             | H  | RT                                    | SI S 1E EMC              | Y (1) Y (5)                        |
| CRDM #6 Operating Coil               | 30JDA06AE     | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #6 Position Sensor              | 30JDA06CG801  | 30UJA11001                              | H                             | H  | RT                                    | SI S 1E EMC              | Y (1) Y (5)                        |

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| Name Tag (Equipment Description)      | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |    | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |
|---------------------------------------|--------------|---|-------------------------------|---------------------------------|----|---------------------------------------|--------------------------|------------------------------------|-------|
|                                       |              |   |                               | Environment<br>Zone<br>(Note 2) |    |                                       |                          |                                    |       |
| CRDM #6 Top Position Limit Sensor     | 30JDA06CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #6 Bottom Position Limit Sensor  | 30JDA06CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #6 Temperature Sensor            | 30JDA06CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #7 Operating Coil                | 30JDA07AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #7 Position Sensor               | 30JDA07CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #7 Top Position Limit Sensor     | 30JDA07CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #7 Bottom Position Limit Sensor  | 30JDA07CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #7 Temperature Sensor            | 30JDA07CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #8 Operating Coil                | 30JDA08AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #8 Position Sensor               | 30JDA08CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #8 Top Position Limit Sensor     | 30JDA08CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #8 Bottom Position Limit Sensor  | 30JDA08CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #8 Temperature Sensor            | 30JDA08CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #9 Operating Coil                | 30JDA09AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #9 Position Sensor               | 30JDA09CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #9 Top Position Limit Sensor     | 30JDA09CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #9 Bottom Position Limit Sensor  | 30JDA09CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #9 Temperature Sensor            | 30JDA09CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #10 Operating Coil               | 30JDA10AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #10 Position Sensor              | 30JDA10CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #10 Top Position Limit Sensor    | 30JDA10CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #10 Bottom Position Limit Sensor | 30JDA10CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #10 Temperature Sensor           | 30JDA10CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #11 Operating Coil               | 30JDA11AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #11 Position Sensor              | 30JDA11CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #11 Top Position Limit Sensor    | 30JDA11CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #11 Bottom Position Limit Sensor | 30JDA11CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #11 Temperature Sensor           | 30JDA11CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #12 Operating Coil               | 30JDA12AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #12 Position Sensor              | 30JDA12CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #12 Top Position Limit Sensor    | 30JDA12CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #12 Bottom Position Limit Sensor | 30JDA12CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #12 Temperature Sensor           | 30JDA12CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #13 Operating Coil               | 30JDA13AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #13 Position Sensor              | 30JDA13CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #13 Top Position Limit Sensor    | 30JDA13CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #13 Bottom Position Limit Sensor | 30JDA13CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #13 Temperature Sensor           | 30JDA13CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #14 Operating Coil               | 30JDA14AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #14 Position Sensor              | 30JDA14CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #14 Top Position Limit Sensor    | 30JDA14CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #14 Bottom Position Limit Sensor | 30JDA14CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #14 Temperature Sensor           | 30JDA14CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #15 Operating Coil               | 30JDA15AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| CRDM #15 Position Sensor              | 30JDA15CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| CRDM #15 Top Position Limit Sensor    | 30JDA15CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |

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| Name Tag (Equipment Description)      | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |    | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|---------------------------------------|--------------|---|-------------------------------|---------------------------------|----|---------------------------------------|--------------------------|------------------------------------|
|                                       |              |   |                               | Environment<br>Zone<br>(Note 2) |    |                                       |                          |                                    |
| CRDM #15 Bottom Position Limit Sensor | 30JDA15CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #15 Temperature Sensor           | 30JDA15CT801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #16 Operating Coil               | 30JDA16AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #16 Position Sensor              | 30JDA16CG801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #16 Top Position Limit Sensor    | 30JDA16CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #16 Bottom Position Limit Sensor | 30JDA16CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #16 Temperature Sensor           | 30JDA16CT801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #17 Operating Coil               | 30JDA17AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #17 Position Sensor              | 30JDA17CG801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #17 Top Position Limit Sensor    | 30JDA17CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #17 Bottom Position Limit Sensor | 30JDA17CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #17 Temperature Sensor           | 30JDA17CT801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #18 Operating Coil               | 30JDA18AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #18 Position Sensor              | 30JDA18CG801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #18 Top Position Limit Sensor    | 30JDA18CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #18 Bottom Position Limit Sensor | 30JDA18CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #18 Temperature Sensor           | 30JDA18CT801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #19 Operating Coil               | 30JDA19AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #19 Position Sensor              | 30JDA19CG801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #19 Top Position Limit Sensor    | 30JDA19CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #19 Bottom Position Limit Sensor | 30JDA19CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #19 Temperature Sensor           | 30JDA19CT801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #20 Operating Coil               | 30JDA20AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #20 Position Sensor              | 30JDA20CG801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #20 Top Position Limit Sensor    | 30JDA20CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #20 Bottom Position Limit Sensor | 30JDA20CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #20 Temperature Sensor           | 30JDA20CT801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #21 Operating Coil               | 30JDA21AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #21 Position Sensor              | 30JDA21CG801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #21 Top Position Limit Sensor    | 30JDA21CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #21 Bottom Position Limit Sensor | 30JDA21CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #21 Temperature Sensor           | 30JDA21CT801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #22 Operating Coil               | 30JDA22AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #22 Position Sensor              | 30JDA22CG801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #22 Top Position Limit Sensor    | 30JDA22CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #22 Bottom Position Limit Sensor | 30JDA22CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #22 Temperature Sensor           | 30JDA22CT801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #26 Operating Coil               | 30JDA26AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #26 Position Sensor              | 30JDA26CG801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #26 Top Position Limit Sensor    | 30JDA26CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #26 Bottom Position Limit Sensor | 30JDA26CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #26 Temperature Sensor           | 30JDA26CT801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #27 Operating Coil               | 30JDA27AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #27 Position Sensor              | 30JDA27CG801 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| CRDM #27 Top Position Limit Sensor    | 30JDA27CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #27 Bottom Position Limit Sensor | 30JDA27CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 4 of 102)

| Name Tag (Equipment Description)      | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |        |       |       |       |
|---------------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|--------|-------|-------|-------|
|                                       |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |        |       |       |       |
| CRDM #27 Temperature Sensor           | 30JDA27CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #28 Operating Coil               | 30JDA28AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #28 Position Sensor              | 30JDA28CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #28 Top Position Limit Sensor    | 30JDA28CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #28 Bottom Position Limit Sensor | 30JDA28CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #28 Temperature Sensor           | 30JDA28CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #29 Operating Coil               | 30JDA29AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #29 Position Sensor              | 30JDA29CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #29 Top Position Limit Sensor    | 30JDA29CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #29 Bottom Position Limit Sensor | 30JDA29CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #29 Temperature Sensor           | 30JDA29CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #30 Operating Coil               | 30JDA30AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #30 Position Sensor              | 30JDA30CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #30 Top Position Limit Sensor    | 30JDA30CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #30 Bottom Position Limit Sensor | 30JDA30CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #30 Temperature Sensor           | 30JDA30CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #31 Operating Coil               | 30JDA31AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #31 Position Sensor              | 30JDA31CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #31 Top Position Limit Sensor    | 30JDA31CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #31 Bottom Position Limit Sensor | 30JDA31CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #31 Temperature Sensor           | 30JDA31CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #32 Operating Coil               | 30JDA32AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #32 Position Sensor              | 30JDA32CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #32 Top Position Limit Sensor    | 30JDA32CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #32 Bottom Position Limit Sensor | 30JDA32CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #32 Temperature Sensor           | 30JDA32CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #33 Operating Coil               | 30JDA33AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #33 Position Sensor              | 30JDA33CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #33 Top Position Limit Sensor    | 30JDA33CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #33 Bottom Position Limit Sensor | 30JDA33CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #33 Temperature Sensor           | 30JDA33CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #34 Operating Coil               | 30JDA34AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #34 Position Sensor              | 30JDA34CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #34 Top Position Limit Sensor    | 30JDA34CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #34 Bottom Position Limit Sensor | 30JDA34CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #34 Temperature Sensor           | 30JDA34CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #35 Operating Coil               | 30JDA35AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #35 Position Sensor              | 30JDA35CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #35 Top Position Limit Sensor    | 30JDA35CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #35 Bottom Position Limit Sensor | 30JDA35CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #35 Temperature Sensor           | 30JDA35CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #36 Operating Coil               | 30JDA36AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #36 Position Sensor              | 30JDA36CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #36 Top Position Limit Sensor    | 30JDA36CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #36 Bottom Position Limit Sensor | 30JDA36CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #36 Temperature Sensor           | 30JDA36CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 5 of 102)

| Name Tag (Equipment Description)      | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |    | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|---------------------------------------|--------------|---|-------------------------------|---------------------------------|----|---------------------------------------|--------------------------|------------------------------------|
|                                       |              |   |                               | Environment<br>Zone<br>(Note 2) |    |                                       |                          |                                    |
| CRDM #37 Operating Coil               | 30JDA37AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #37 Position Sensor              | 30JDA37CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #37 Top Position Limit Sensor    | 30JDA37CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #37 Bottom Position Limit Sensor | 30JDA37CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #37 Temperature Sensor           | 30JDA37CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #38 Operating Coil               | 30JDA38AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #38 Position Sensor              | 30JDA38CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #38 Top Position Limit Sensor    | 30JDA38CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #38 Bottom Position Limit Sensor | 30JDA38CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #38 Temperature Sensor           | 30JDA38CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #39 Operating Coil               | 30JDA39AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #39 Position Sensor              | 30JDA39CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #39 Top Position Limit Sensor    | 30JDA39CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #39 Bottom Position Limit Sensor | 30JDA39CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #39 Temperature Sensor           | 30JDA39CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #40 Operating Coil               | 30JDA40AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #40 Position Sensor              | 30JDA40CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #40 Top Position Limit Sensor    | 30JDA40CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #40 Bottom Position Limit Sensor | 30JDA40CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #40 Temperature Sensor           | 30JDA40CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #41 Operating Coil               | 30JDA41AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #41 Position Sensor              | 30JDA41CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #41 Top Position Limit Sensor    | 30JDA41CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #41 Bottom Position Limit Sensor | 30JDA41CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #41 Temperature Sensor           | 30JDA41CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #42 Operating Coil               | 30JDA42AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #42 Position Sensor              | 30JDA42CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #42 Top Position Limit Sensor    | 30JDA42CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #42 Bottom Position Limit Sensor | 30JDA42CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #42 Temperature Sensor           | 30JDA42CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #43 Operating Coil               | 30JDA43AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #43 Position Sensor              | 30JDA43CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #43 Top Position Limit Sensor    | 30JDA43CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #43 Bottom Position Limit Sensor | 30JDA43CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #43 Temperature Sensor           | 30JDA43CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #44 Operating Coil               | 30JDA44AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #44 Position Sensor              | 30JDA44CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #44 Top Position Limit Sensor    | 30JDA44CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #44 Bottom Position Limit Sensor | 30JDA44CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #44 Temperature Sensor           | 30JDA44CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #45 Operating Coil               | 30JDA45AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #45 Position Sensor              | 30JDA45CG801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #45 Top Position Limit Sensor    | 30JDA45CG802 | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #45 Bottom Position Limit Sensor | 30JDA45CG803 | 30UJA11001                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #45 Temperature Sensor           | 30JDA45CT801 | 30UJA11001                              | H                             | H                               | RT | SI                                    | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #46 Operating Coil               | 30JDA46AE    | 30UJA11001                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)      | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated        |     | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |       |
|---------------------------------------|--------------|---|-------------------------------|--|----------------------|-----|--------------------------|------------------------------------|-------|-------|
|                                       |              |   |                               |  | Function<br>(Note 3) |     |                          |                                    |       |       |
| CRDM #46 Position Sensor              | 30JDA46CG801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #46 Top Position Limit Sensor    | 30JDA46CG802 | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #46 Bottom Position Limit Sensor | 30JDA46CG803 | 30UJA11001                              | H                             | H  |                      | PAM | SII                      | NS-AQ EMC                          | Y (1) | Y (5) |
| CRDM #46 Temperature Sensor           | 30JDA46CT801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #47 Operating Coil               | 30JDA47AE    | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #47 Position Sensor              | 30JDA47CG801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #47 Top Position Limit Sensor    | 30JDA47CG802 | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #47 Bottom Position Limit Sensor | 30JDA47CG803 | 30UJA11001                              | H                             | H  |                      | PAM | SII                      | NS-AQ EMC                          | Y (1) | Y (5) |
| CRDM #47 Temperature Sensor           | 30JDA47CT801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #51 Operating Coil               | 30JDA51AE    | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #51 Position Sensor              | 30JDA51CG801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #51 Top Position Limit Sensor    | 30JDA51CG802 | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #51 Bottom Position Limit Sensor | 30JDA51CG803 | 30UJA11001                              | H                             | H  |                      | PAM | SII                      | NS-AQ EMC                          | Y (1) | Y (5) |
| CRDM #51 Temperature Sensor           | 30JDA51CT801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #52 Operating Coil               | 30JDA52AE    | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #52 Position Sensor              | 30JDA52CG801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #52 Top Position Limit Sensor    | 30JDA52CG802 | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #52 Bottom Position Limit Sensor | 30JDA52CG803 | 30UJA11001                              | H                             | H  |                      | PAM | SII                      | NS-AQ EMC                          | Y (1) | Y (5) |
| CRDM #52 Temperature Sensor           | 30JDA52CT801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #53 Operating Coil               | 30JDA53AE    | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #53 Position Sensor              | 30JDA53CG801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #53 Top Position Limit Sensor    | 30JDA53CG802 | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #53 Bottom Position Limit Sensor | 30JDA53CG803 | 30UJA11001                              | H                             | H  |                      | PAM | SII                      | NS-AQ EMC                          | Y (1) | Y (5) |
| CRDM #53 Temperature Sensor           | 30JDA53CT801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #54 Operating Coil               | 30JDA54AE    | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #54 Position Sensor              | 30JDA54CG801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #54 Top Position Limit Sensor    | 30JDA54CG802 | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #54 Bottom Position Limit Sensor | 30JDA54CG803 | 30UJA11001                              | H                             | H  |                      | PAM | SII                      | NS-AQ EMC                          | Y (1) | Y (5) |
| CRDM #54 Temperature Sensor           | 30JDA54CT801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #55 Operating Coil               | 30JDA55AE    | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #55 Position Sensor              | 30JDA55CG801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #55 Top Position Limit Sensor    | 30JDA55CG802 | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #55 Bottom Position Limit Sensor | 30JDA55CG803 | 30UJA11001                              | H                             | H  |                      | PAM | SII                      | NS-AQ EMC                          | Y (1) | Y (5) |
| CRDM #55 Temperature Sensor           | 30JDA55CT801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #56 Operating Coil               | 30JDA56AE    | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #56 Position Sensor              | 30JDA56CG801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #56 Top Position Limit Sensor    | 30JDA56CG802 | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #56 Bottom Position Limit Sensor | 30JDA56CG803 | 30UJA11001                              | H                             | H  |                      | PAM | SII                      | NS-AQ EMC                          | Y (1) | Y (5) |
| CRDM #56 Temperature Sensor           | 30JDA56CT801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #57 Operating Coil               | 30JDA57AE    | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #57 Position Sensor              | 30JDA57CG801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #57 Top Position Limit Sensor    | 30JDA57CG802 | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #57 Bottom Position Limit Sensor | 30JDA57CG803 | 30UJA11001                              | H                             | H  |                      | PAM | SII                      | NS-AQ EMC                          | Y (1) | Y (5) |
| CRDM #57 Temperature Sensor           | 30JDA57CT801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #58 Operating Coil               | 30JDA58AE    | 30UJA11001                              | H                             | H  |                      | SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #58 Position Sensor              | 30JDA58CG801 | 30UJA11001                              | H                             | H  | RT                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 7 of 102)

| Name Tag (Equipment Description)      | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |        |       | EQ Program Designation<br>(Note 5) |  |
|---------------------------------------|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|--------|-------|------------------------------------|--|
|                                       |              |   |                               |  |                                       |                          |        |       |                                    |  |
| CRDM #58 Top Position Limit Sensor    | 30JDA58CG802 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #58 Bottom Position Limit Sensor | 30JDA58CG803 | 30UJA11001                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #58 Temperature Sensor           | 30JDA58CT801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #59 Operating Coil               | 30JDA59AE    | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #59 Position Sensor              | 30JDA59CG801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #59 Top Position Limit Sensor    | 30JDA59CG802 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #59 Bottom Position Limit Sensor | 30JDA59CG803 | 30UJA11001                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #59 Temperature Sensor           | 30JDA59CT801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #60 Operating Coil               | 30JDA60AE    | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #60 Position Sensor              | 30JDA60CG801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #60 Top Position Limit Sensor    | 30JDA60CG802 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #60 Bottom Position Limit Sensor | 30JDA60CG803 | 30UJA11001                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #60 Temperature Sensor           | 30JDA60CT801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #61 Operating Coil               | 30JDA61AE    | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #61 Position Sensor              | 30JDA61CG801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #61 Top Position Limit Sensor    | 30JDA61CG802 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #61 Bottom Position Limit Sensor | 30JDA61CG803 | 30UJA11001                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #61 Temperature Sensor           | 30JDA61CT801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #62 Operating Coil               | 30JDA62AE    | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #62 Position Sensor              | 30JDA62CG801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #62 Top Position Limit Sensor    | 30JDA62CG802 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #62 Bottom Position Limit Sensor | 30JDA62CG803 | 30UJA11001                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #62 Temperature Sensor           | 30JDA62CT801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #63 Operating Coil               | 30JDA63AE    | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #63 Position Sensor              | 30JDA63CG801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #63 Top Position Limit Sensor    | 30JDA63CG802 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #63 Bottom Position Limit Sensor | 30JDA63CG803 | 30UJA11001                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #63 Temperature Sensor           | 30JDA63CT801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #64 Operating Coil               | 30JDA64AE    | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #64 Position Sensor              | 30JDA64CG801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #64 Top Position Limit Sensor    | 30JDA64CG802 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #64 Bottom Position Limit Sensor | 30JDA64CG803 | 30UJA11001                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #64 Temperature Sensor           | 30JDA64CT801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #65 Operating Coil               | 30JDA65AE    | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #65 Position Sensor              | 30JDA65CG801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #65 Top Position Limit Sensor    | 30JDA65CG802 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #65 Bottom Position Limit Sensor | 30JDA65CG803 | 30UJA11001                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #65 Temperature Sensor           | 30JDA65CT801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #66 Operating Coil               | 30JDA66AE    | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #66 Position Sensor              | 30JDA66CG801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #66 Top Position Limit Sensor    | 30JDA66CG802 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #66 Bottom Position Limit Sensor | 30JDA66CG803 | 30UJA11001                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #66 Temperature Sensor           | 30JDA66CT801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #67 Operating Coil               | 30JDA67AE    | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |
| CRDM #67 Position Sensor              | 30JDA67CG801 | 30UJA11001                              | H                             | H  | RT SI                                 | S                        | 1E EMC | Y (1) | Y (5)                              |  |
| CRDM #67 Top Position Limit Sensor    | 30JDA67CG802 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1) | Y (5)                              |  |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 8 of 102)

| Name Tag (Equipment Description)      | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | Radiation                     |                                 | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|---------------------------------------|--------------|---|-------------------------------|---------------------------------|---------------------------------------|--------------------------|------------------------------------|
|                                       |              |   | EQ<br>Environment<br>(Note 1) | Environment<br>Zone<br>(Note 2) |                                       |                          |                                    |
| CRDM #67 Bottom Position Limit Sensor | 30JDA67CG803 | 30UJA11001                              | H                             | H                               | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #67 Temperature Sensor           | 30JDA67CT801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #68 Operating Coil               | 30JDA68AE    | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #68 Position Sensor              | 30JDA68CG801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #68 Top Position Limit Sensor    | 30JDA68CG802 | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #68 Bottom Position Limit Sensor | 30JDA68CG803 | 30UJA11001                              | H                             | H                               | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #68 Temperature Sensor           | 30JDA68CT801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #69 Operating Coil               | 30JDA69AE    | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #69 Position Sensor              | 30JDA69CG801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #69 Top Position Limit Sensor    | 30JDA69CG802 | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #69 Bottom Position Limit Sensor | 30JDA69CG803 | 30UJA11001                              | H                             | H                               | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #69 Temperature Sensor           | 30JDA69CT801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #70 Operating Coil               | 30JDA70AE    | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #70 Position Sensor              | 30JDA70CG801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #70 Top Position Limit Sensor    | 30JDA70CG802 | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #70 Bottom Position Limit Sensor | 30JDA70CG803 | 30UJA11001                              | H                             | H                               | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #70 Temperature Sensor           | 30JDA70CT801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #71 Operating Coil               | 30JDA71AE    | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #71 Position Sensor              | 30JDA71CG801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #71 Top Position Limit Sensor    | 30JDA71CG802 | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #71 Bottom Position Limit Sensor | 30JDA71CG803 | 30UJA11001                              | H                             | H                               | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #71 Temperature Sensor           | 30JDA71CT801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #72 Operating Coil               | 30JDA72AE    | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #72 Position Sensor              | 30JDA72CG801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #72 Top Position Limit Sensor    | 30JDA72CG802 | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #72 Bottom Position Limit Sensor | 30JDA72CG803 | 30UJA11001                              | H                             | H                               | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #72 Temperature Sensor           | 30JDA72CT801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #76 Operating Coil               | 30JDA76AE    | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #76 Position Sensor              | 30JDA76CG801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #76 Top Position Limit Sensor    | 30JDA76CG802 | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #76 Bottom Position Limit Sensor | 30JDA76CG803 | 30UJA11001                              | H                             | H                               | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #76 Temperature Sensor           | 30JDA76CT801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #77 Operating Coil               | 30JDA77AE    | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #77 Position Sensor              | 30JDA77CG801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #77 Top Position Limit Sensor    | 30JDA77CG802 | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #77 Bottom Position Limit Sensor | 30JDA77CG803 | 30UJA11001                              | H                             | H                               | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #77 Temperature Sensor           | 30JDA77CT801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #78 Operating Coil               | 30JDA78AE    | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #78 Position Sensor              | 30JDA78CG801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #78 Top Position Limit Sensor    | 30JDA78CG802 | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #78 Bottom Position Limit Sensor | 30JDA78CG803 | 30UJA11001                              | H                             | H                               | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #78 Temperature Sensor           | 30JDA78CT801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #79 Operating Coil               | 30JDA79AE    | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #79 Position Sensor              | 30JDA79CG801 | 30UJA11001                              | H                             | H                               | RT SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CRDM #79 Top Position Limit Sensor    | 30JDA79CG802 | 30UJA11001                              | H                             | H                               | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| CRDM #79 Bottom Position Limit Sensor | 30JDA79CG803 | 30UJA11001                              | H                             | H                               | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |



Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)      | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |        |       |       |       |
|---------------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|--------|-------|-------|-------|
|                                       |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |        |       |       |       |
| CRDM #79 Temperature Sensor           | 30JDA79CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #80 Operating Coil               | 30JDA80AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #80 Position Sensor              | 30JDA80CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #80 Top Position Limit Sensor    | 30JDA80CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #80 Bottom Position Limit Sensor | 30JDA80CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #80 Temperature Sensor           | 30JDA80CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #81 Operating Coil               | 30JDA81AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #81 Position Sensor              | 30JDA81CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #81 Top Position Limit Sensor    | 30JDA81CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #81 Bottom Position Limit Sensor | 30JDA81CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #81 Temperature Sensor           | 30JDA81CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #82 Operating Coil               | 30JDA82AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #82 Position Sensor              | 30JDA82CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #82 Top Position Limit Sensor    | 30JDA82CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #82 Bottom Position Limit Sensor | 30JDA82CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #82 Temperature Sensor           | 30JDA82CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #83 Operating Coil               | 30JDA83AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #83 Position Sensor              | 30JDA83CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #83 Top Position Limit Sensor    | 30JDA83CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #83 Bottom Position Limit Sensor | 30JDA83CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #83 Temperature Sensor           | 30JDA83CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #84 Operating Coil               | 30JDA84AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #84 Position Sensor              | 30JDA84CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #84 Top Position Limit Sensor    | 30JDA84CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #84 Bottom Position Limit Sensor | 30JDA84CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #84 Temperature Sensor           | 30JDA84CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #85 Operating Coil               | 30JDA85AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #85 Position Sensor              | 30JDA85CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #85 Top Position Limit Sensor    | 30JDA85CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #85 Bottom Position Limit Sensor | 30JDA85CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #85 Temperature Sensor           | 30JDA85CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #86 Operating Coil               | 30JDA86AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #86 Position Sensor              | 30JDA86CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #86 Top Position Limit Sensor    | 30JDA86CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #86 Bottom Position Limit Sensor | 30JDA86CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #86 Temperature Sensor           | 30JDA86CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #87 Operating Coil               | 30JDA87AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #87 Position Sensor              | 30JDA87CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #87 Top Position Limit Sensor    | 30JDA87CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #87 Bottom Position Limit Sensor | 30JDA87CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #87 Temperature Sensor           | 30JDA87CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #88 Operating Coil               | 30JDA88AE    | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #88 Position Sensor              | 30JDA88CG801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |
| CRDM #88 Top Position Limit Sensor    | 30JDA88CG802 | 30UJA11001                              | H                             | H                               |  |                                       | SII                      | NS-AQ                              | EMC    | Y (1) | Y (5) |       |
| CRDM #88 Bottom Position Limit Sensor | 30JDA88CG803 | 30UJA11001                              | H                             | H                               |  |                                       | PAM                      | SII                                | NS-AQ  | EMC   | Y (1) | Y (5) |
| CRDM #88 Temperature Sensor           | 30JDA88CT801 | 30UJA11001                              | H                             | H                               |  | RT                                    | SI                       | S                                  | 1E EMC | Y (1) | Y (5) |       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 10 of 102)

| Name Tag (Equipment Description)      | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |       |        | EQ Program Designation<br>(Note 5) |       |       |
|---------------------------------------|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|-------|--------|------------------------------------|-------|-------|
|                                       |              |   |                               |  |                                       | NS-AQ                    | 1E    | EMC    | Y (1)                              | Y (5) |       |
| CRDM #89 Operating Coil               | 30JDA89AE    | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #89 Position Sensor              | 30JDA89CG801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #89 Top Position Limit Sensor    | 30JDA89CG802 | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #89 Bottom Position Limit Sensor | 30JDA89CG803 | 30UJA11001                              | H                             | H  |                                       | PAM                      | SII   | NS-AQ  | EMC                                | Y (1) | Y (5) |
| CRDM #89 Temperature Sensor           | 30JDA89CT801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #90 Operating Coil               | 30JDA90AE    | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #90 Position Sensor              | 30JDA90CG801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #90 Top Position Limit Sensor    | 30JDA90CG802 | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #90 Bottom Position Limit Sensor | 30JDA90CG803 | 30UJA11001                              | H                             | H  |                                       | PAM                      | SII   | NS-AQ  | EMC                                | Y (1) | Y (5) |
| CRDM #90 Temperature Sensor           | 30JDA90CT801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #91 Operating Coil               | 30JDA91AE    | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #91 Position Sensor              | 30JDA91CG801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #91 Top Position Limit Sensor    | 30JDA91CG802 | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #91 Bottom Position Limit Sensor | 30JDA91CG803 | 30UJA11001                              | H                             | H  |                                       | PAM                      | SII   | NS-AQ  | EMC                                | Y (1) | Y (5) |
| CRDM #91 Temperature Sensor           | 30JDA91CT801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #92 Operating Coil               | 30JDA92AE    | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #92 Position Sensor              | 30JDA92CG801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #92 Top Position Limit Sensor    | 30JDA92CG802 | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #92 Bottom Position Limit Sensor | 30JDA92CG803 | 30UJA11001                              | H                             | H  |                                       | PAM                      | SII   | NS-AQ  | EMC                                | Y (1) | Y (5) |
| CRDM #92 Temperature Sensor           | 30JDA92CT801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #93 Operating Coil               | 30JDA93AE    | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #93 Position Sensor              | 30JDA93CG801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #93 Top Position Limit Sensor    | 30JDA93CG802 | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #93 Bottom Position Limit Sensor | 30JDA93CG803 | 30UJA11001                              | H                             | H  |                                       | PAM                      | SII   | NS-AQ  | EMC                                | Y (1) | Y (5) |
| CRDM #93 Temperature Sensor           | 30JDA93CT801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #94 Operating Coil               | 30JDA94AE    | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #94 Position Sensor              | 30JDA94CG801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #94 Top Position Limit Sensor    | 30JDA94CG802 | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #94 Bottom Position Limit Sensor | 30JDA94CG803 | 30UJA11001                              | H                             | H  |                                       | PAM                      | SII   | NS-AQ  | EMC                                | Y (1) | Y (5) |
| CRDM #94 Temperature Sensor           | 30JDA94CT801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #95 Operating Coil               | 30JDA95AE    | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #95 Position Sensor              | 30JDA95CG801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #95 Top Position Limit Sensor    | 30JDA95CG802 | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #95 Bottom Position Limit Sensor | 30JDA95CG803 | 30UJA11001                              | H                             | H  |                                       | PAM                      | SII   | NS-AQ  | EMC                                | Y (1) | Y (5) |
| CRDM #95 Temperature Sensor           | 30JDA95CT801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #96 Operating Coil               | 30JDA96AE    | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #96 Position Sensor              | 30JDA96CG801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #96 Top Position Limit Sensor    | 30JDA96CG802 | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #96 Bottom Position Limit Sensor | 30JDA96CG803 | 30UJA11001                              | H                             | H  |                                       | PAM                      | SII   | NS-AQ  | EMC                                | Y (1) | Y (5) |
| CRDM #96 Temperature Sensor           | 30JDA96CT801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #97 Operating Coil               | 30JDA97AE    | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #97 Position Sensor              | 30JDA97CG801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #97 Top Position Limit Sensor    | 30JDA97CG802 | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |
| CRDM #97 Bottom Position Limit Sensor | 30JDA97CG803 | 30UJA11001                              | H                             | H  |                                       | PAM                      | SII   | NS-AQ  | EMC                                | Y (1) | Y (5) |
| CRDM #97 Temperature Sensor           | 30JDA97CT801 | 30UJA11001                              | H                             | H  | RT                                    | SI                       | S     | 1E EMC | Y (1)                              | Y (5) |       |
| CRDM #99 Operating Coil               | 30JDA99AE    | 30UJA11001                              | H                             | H  |                                       | SII                      | NS-AQ | EMC    | Y (1)                              | Y (5) |       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)      | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated        |         | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |       |
|---------------------------------------|--------------|---|-------------------------------|--|----------------------|---------|--------------------------|------------------------------------|-------|-------|
|                                       |              |   |                               |  | Function<br>(Note 3) |         |                          |                                    |       |       |
| CRDM #99 Position Sensor              | 30JDA99CG801 | 30UJA11001                              | H                             | H  | RT                   | SI      | S                        | 1E EMC                             | Y (1) | Y (5) |
| CRDM #99 Top Position Limit Sensor    | 30JDA99CG802 | 30UJA11001                              | H                             | H  |                      | SII     | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #99 Bottom Position Limit Sensor | 30JDA99CG803 | 30UJA11001                              | H                             | H  |                      | PAM SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| CRDM #99 Temperature Sensor           | 30JDA99CT801 | 30UJA11001                              | H                             | H  | RT                   | SI      | S                        | 1E EMC                             | Y (1) | Y (5) |
| <b>Steam Generator, Loop 1</b>        |              |   |                               |  |                      |         |                          |                                    |       |       |
| SG Sample Vlv Actuator Loop 1         | 30JEA10AA601 | 30UJA29003                              | H                             | H  |                      | PAM SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| Main Steam Flow Sensor #1 Loop 1      | 30JEA10CF030 | 30UJA34003                              | H                             | H  |                      | PAM SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| Main Steam Flow Sensor #2 Loop 1      | 30JEA10CF031 | 30UJA34003                              | H                             | H  |                      | PAM SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| Main Steam Flow Sensor #3 Loop 1      | 30JEA10CF032 | 30UJA34003                              | H                             | H  |                      | PAM SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| SG NR Level Sensor #1 Loop 1          | 30JEA10CL801 | 30UJA29003                              | H                             | H  | RT                   | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG NR Level Sensor #2 Loop 1          | 30JEA10CL802 | 30UJA29003                              | H                             | H  | RT                   | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG NR Level Sensor #3 Loop 1          | 30JEA10CL803 | 30UJA29003                              | H                             | H  | RT                   | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG NR Level Sensor #4 Loop 1          | 30JEA10CL804 | 30UJA29003                              | H                             | H  | RT                   | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG WR Level Sensor #1 Loop 1          | 30JEA10CL809 | 30UJA15003                              | H                             | H  |                      | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG WR Level Sensor #2 Loop 1          | 30JEA10CL810 | 30UJA15003                              | H                             | H  |                      | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG WR Level Sensor #3 Loop 1          | 30JEA10CL811 | 30UJA15003                              | H                             | H  |                      | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG WR Level Sensor #4 Loop 1          | 30JEA10CL812 | 30UJA15003                              | H                             | H  |                      | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG WR Level Sensor #5 Loop 1          | 30JEA10CL020 | 30UJA15003                              | H                             | H  |                      | SII     | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| <b>Steam Generator, Loop 2</b>        |              |   |                               |  |                      |         |                          |                                    |       |       |
| SG Sample Vlv Actuator Loop 2         | 30JEA20AA601 | 30UJA29004                              | H                             | H  |                      | PAM SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| Main Steam Flow Sensor #1 Loop 2      | 30JEA20CF030 | 30UJA34004                              | H                             | H  |                      | PAM SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| Main Steam Flow Sensor #2 Loop 2      | 30JEA20CF031 | 30UJA34004                              | H                             | H  |                      | PAM SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| Main Steam Flow Sensor #3 Loop 2      | 30JEA20CF032 | 30UJA34004                              | H                             | H  |                      | PAM SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| SG NR Level Sensor #1 Loop 2          | 30JEA20CL801 | 30UJA29004                              | H                             | H  | RT                   | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG NR Level Sensor #2 Loop 2          | 30JEA20CL802 | 30UJA29004                              | H                             | H  | RT                   | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG NR Level Sensor #3 Loop 2          | 30JEA20CL803 | 30UJA29004                              | H                             | H  | RT                   | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG NR Level Sensor #4 Loop 2          | 30JEA20CL804 | 30UJA29004                              | H                             | H  | RT                   | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG WR Level Sensor #1 Loop 2          | 30JEA20CL809 | 30UJA15004                              | H                             | H  |                      | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG WR Level Sensor #2 Loop 2          | 30JEA20CL810 | 30UJA15004                              | H                             | H  |                      | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG WR Level Sensor #3 Loop 2          | 30JEA20CL811 | 30UJA15004                              | H                             | H  |                      | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG WR Level Sensor #4 Loop 2          | 30JEA20CL812 | 30UJA15004                              | H                             | H  |                      | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG WR Level Sensor #5 Loop 2          | 30JEA20CL020 | 30UJA15004                              | H                             | H  |                      | SII     | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| <b>Steam Generator, Loop 3</b>        |              |   |                               |  |                      |         |                          |                                    |       |       |
| SG Sample Vlv Actuator Loop 3         | 30JEA30AA601 | 30UJA29007                              | H                             | H  |                      | PAM SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| Main Steam Flow Sensor #1 Loop 3      | 30JEA30CF030 | 30UJA34007                              | H                             | H  |                      | PAM SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| Main Steam Flow Sensor #2 Loop 3      | 30JEA30CF031 | 30UJA34007                              | H                             | H  |                      | PAM SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| Main Steam Flow Sensor #3 Loop 3      | 30JEA30CF032 | 30UJA34007                              | H                             | H  |                      | PAM SII | NS-AQ                    | EMC                                | Y (1) | Y (5) |
| SG NR Level Sensor #1 Loop 3          | 30JEA30CL801 | 30UJA29007                              | H                             | H  | RT                   | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG NR Level Sensor #2 Loop 3          | 30JEA30CL802 | 30UJA29007                              | H                             | H  | RT                   | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG NR Level Sensor #3 Loop 3          | 30JEA30CL803 | 30UJA29007                              | H                             | H  | RT                   | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG NR Level Sensor #4 Loop 3          | 30JEA30CL804 | 30UJA29007                              | H                             | H  | RT                   | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG WR Level Sensor #1 Loop 3          | 30JEA30CL809 | 30UJA15007                              | H                             | H  |                      | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |
| SG WR Level Sensor #2 Loop 3          | 30JEA30CL810 | 30UJA15007                              | H                             | H  |                      | PAM SI  | S                        | 1E EMC                             | Y (1) | Y (5) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)              | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |        | EQ Program Designation<br>(Note 5) |       |
|---|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|--------|------------------------------------|-------|
|   |               |   |                               |  |                                       |                          |        |                                    |       |
| SG WR Level Sensor #3 Loop 3                  | 30JEA30CL811  | 30UJA15007                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y (1)                              | Y (5) |
| SG WR Level Sensor #4 Loop 3                  | 30JEA30CL812  | 30UJA15007                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y (1)                              | Y (5) |
| SG WR Level Sensor #5 Loop 3                  | 30JEA30CL020  | 30UJA15007                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| <b>Steam Generator, Loop 4</b>                |               |   |                               |  |                                       |                          |        |                                    |       |
| SG Sample Vlv Actuator Loop 4                 | 30JEA40AA601  | 30UJA29008                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| Main Steam Flow Sensor #1 Loop 4              | 30JEA40CF030  | 30UJA34008                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| Main Steam Flow Sensor #2 Loop 4              | 30JEA40CF031  | 30UJA34008                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| Main Steam Flow Sensor #3 Loop 4              | 30JEA40CF032  | 30UJA34008                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| SG NR Level Sensor #1 Loop 4                  | 30JEA40CL801  | 30UJA29008                              | H                             | H  | RT PAM SI                             | S                        | 1E EMC | Y (1)                              | Y (5) |
| SG NR Level Sensor #2 Loop 4                  | 30JEA40CL802  | 30UJA29008                              | H                             | H  | RT PAM SI                             | S                        | 1E EMC | Y (1)                              | Y (5) |
| SG NR Level Sensor #3 Loop 4                  | 30JEA40CL803  | 30UJA29008                              | H                             | H  | RT PAM SI                             | S                        | 1E EMC | Y (1)                              | Y (5) |
| SG NR Level Sensor #4 Loop 4                  | 30JEA40CL804  | 30UJA29008                              | H                             | H  | RT PAM SI                             | S                        | 1E EMC | Y (1)                              | Y (5) |
| SG WR Level Sensor #1 Loop 4                  | 30JEA40CL809  | 30UJA15008                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y (1)                              | Y (5) |
| SG WR Level Sensor #2 Loop 4                  | 30JEA40CL810  | 30UJA15008                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y (1)                              | Y (5) |
| SG WR Level Sensor #3 Loop 4                  | 30JEA40CL811  | 30UJA15008                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y (1)                              | Y (5) |
| SG WR Level Sensor #4 Loop 4                  | 30JEA40CL812  | 30UJA15008                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y (1)                              | Y (5) |
| SG WR Level Sensor #5 Loop 4                  | 30JEA40CL020  | 30UJA15008                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| <b>RCP, Loop 1</b>                            |               |   |                               |  |                                       |                          |        |                                    |       |
| RCP Motor Loop 1                              | 30JEB10AP001  | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| TB Inlet Water Vlv Actuator Loop 1            | 30JEB10AA021  | 30UJA15002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| TB Outlet Water Vlv Actuator Loop 1           | 30JEB10AA003  | 30UJA15002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #1 Leakoff Vlv Act Loop 1            | 30JEB10AA009  | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #2 Tk Water Vlv Act Loop 1           | 30JEB10AA022  | 30UJA18003                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #2 Leakoff Vlv Act Loop 1            | 30JEB10AA010  | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #3 Inject Vlv Act Loop 1             | 30JEB10AA013  | 30UJA34014                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #3 Leakoff Vlv Act Loop 1            | 30JEB10AA017  | 30UJA15013                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| SSSS Actuation Vlv Act Loop 1                 | 30JEB10AA018  | 30UJA15002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| SSSS Atmos Vent Vlv Act Loop 1                | 30JEB10AA020  | 30UJA15002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP-M Oil Lift Pump Motor Loop 1              | 30JEB10AP011  | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP-M Anti-Cond Heater Element Loop 1         | 30JEB10AH501  | 30UJA23002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP TB Press Sensor Loop 1                    | 30JEB10CP002  | 30UJA11002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP TB Temp Sensor Loop 1                     | 30JEB10CT007  | 30UJA11002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #1 Diff Press Sensor #1 Loop 1       | 30JEB10CP065  | 30UJA11002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #1 Diff Press Sensor #2 Loop 1       | 30JEB10CP567  | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #1 Temp Sensor #1 Loop 1             | 30JEB10CT002  | 30UJA11002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #1 Temp Sensor #2 Loop 1             | 30JEB10CT003  | 30UJA11002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #2 Tk Level Sensor #1 Loop 1         | 30JEB10CL065  | 30UJA11002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #2 Tk Level Sensor #2 Loop 1         | 30JEB10CL066  | 30UJA11002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #2 Leakoff Flowrate Sensor #1 Loop 1 | 30JEB10CF063  | 30UJA11002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #2 Leakoff Flowrate Sensor #2 Loop 1 | 30JEB10CF064  | 30UJA11002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #3 Tk Level Sensor #1 Loop 1         | 30JEB10CL057  | 30UJA11002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP Seal #3 Tk Level Sensor #2 Loop 1         | 30JEB10CL061  | 30UJA11002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP SSSS Position Sensor #1 Loop 1            | 30JEB10CG050A | 30UJA11002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |
| RCP SSSS Position Sensor #2 Loop 1            | 30JEB10CG050B | 30UJA11002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              | Y (5) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)         | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |        |        | EQ Program Designation<br>(Note 5) |             |
|--|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|--------|--------|------------------------------------|-------------|
|  |              |   |                               |  |                                       | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Diff Current Sensor #1 Loop 1      | 30JEB10CE089 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Diff Current Sensor #2 Loop 1      | 30JEB10CE090 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Diff Current Sensor #3 Loop 1      | 30JEB10CE091 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Current Sensor #1 Loop 1           | 30JEB10CE889 | 31UJK18027                              | M                             | M  | SI                                    | S                        | 1E EMC |        |                                    | Y (5) Y (6) |
| RCP-M Current Sensor #2 Loop 1           | 30JEB10CE890 | 31UJK18027                              | M                             | M  | SI                                    | S                        | 1E EMC |        |                                    | Y (5) Y (6) |
| RCP-M Current Sensor #3 Loop 1           | 30JEB10CE891 | 31UJK18027                              | M                             | M  | SI                                    | S                        | 1E EMC |        |                                    | Y (5) Y (6) |
| RCP-M Speed Sensor Loop 1                | 30JEB10CS896 | 30UJA18002                              | H                             | H  | RT                                    | SI                       | S      | 1E EMC | Y (1)                              | Y (5)       |
| RCP-M Speed Sensor - Standby Loop 1      | 30JEB10CS897 | 30UJA18002                              | H                             | H  | RT                                    | SI                       | S      | 1E EMC | Y (1)                              | Y (5)       |
| RCP-M Winding Temp Sensor #1 Loop 1      | 30JEB10CT069 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Winding Temp Sensor #2 Loop 1      | 30JEB10CT070 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Winding Temp Sensor #3 Loop 1      | 30JEB10CT071 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Lwr Oil Tank Temp Sensor Loop 1    | 30JEB10CT585 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Lwr Brg Oil Level Sensor #1 Loop 1 | 30JEB10CL051 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Lwr Brg Oil Level Sensor #2 Loop 1 | 30JEB10CL501 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Lwr Rad Brg Temp Sensor #1 Loop 1  | 30JEB10CT075 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Lwr Rad Brg Temp Sensor #2 Loop 1  | 30JEB10CT084 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Lwr Thr Brg Temp Sensor #1 Loop 1  | 30JEB10CT080 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Lwr Thr Brg Temp Sensor #2 Loop 1  | 30JEB10CT081 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Upr Oil Tk Temp Sensor Loop 1      | 30JEB10CT504 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Upr Brg Oil Level Sensor #1 Loop 1 | 30JEB10CL055 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Upr Brg Oil Level Sensor #2 Loop 1 | 30JEB10CL503 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Upr Rad Brg Temp Sensor #1 Loop 1  | 30JEB10CT076 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Upr Rad Brg Temp Sensor #2 Loop 1  | 30JEB10CT077 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Upr Thr Brg Temp Sensor #1 Loop 1  | 30JEB10CT078 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Upr Thr Brg Temp Sensor #2 Loop 1  | 30JEB10CT079 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Oil Press Sensor #1 Loop 1         | 30JEB10CP099 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Oil Press Sensor #2 Loop 1         | 30JEB10CP505 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Oil Coll Tk Level Sensor Loop 1    | 30JEB10CL056 | 30UJA18002                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| <b>RCP, Loop 2</b>                       |              |   |                               |  |                                       |                          |        |        |                                    |             |
| RCP Motor Loop 2                         | 30JEB20AP001 | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| TB Inlet Water Vlv Actuator Loop 2       | 30JEB20AA021 | 30UJA15005                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| TB Outlet Water Vlv Actuator Loop 2      | 30JEB20AA003 | 30UJA15005                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP Seal #1 Leakoff Vlv Act Loop 2       | 30JEB20AA009 | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP Seal #2 Tk Water Vlv Act Loop 2      | 30JEB20AA022 | 30UJA18004                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP Seal #2 Leakoff Vlv Act Loop 2       | 30JEB20AA010 | 30UJA15005                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP Seal #3 Inject Vlv Act Loop 2        | 30JEB20AA013 | 30UJA34014                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP Seal #3 Leakoff Vlv Act Loop 2       | 30JEB20AA017 | 30UJA15014                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| SSSS Actuation Vlv Act Loop 2            | 30JEB20AA018 | 30UJA15005                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| SSSS Atmos Vent Vlv Act Loop 2           | 30JEB20AA020 | 30UJA15005                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Oil Lift Pump Motor Loop 2         | 30JEB20AP011 | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP-M Anti-Cond Heater Element Loop 2    | 30JEB20AH501 | 30UJA23005                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP TB Press Sensor Loop 2               | 30JEB20CP002 | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP TB Temp Sensor Loop 2                | 30JEB20CT007 | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP Seal #1 Diff Press Sensor #1 Loop 2  | 30JEB20CP065 | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |
| RCP Seal #1 Diff Press Sensor #2 Loop 2  | 30JEB20CP567 | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (1)                              | Y (5)       |

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| Name Tag (Equipment Description)              | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |          |       | EQ Program Designation<br>(Note 5) |  |
|---|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|----------|-------|------------------------------------|--|
|   |               |   |                               |  |                                       | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP Seal #1 Temp Sensor #1 Loop 2             | 30JEB20CT002  | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP Seal #1 Temp Sensor #2 Loop 2             | 30JEB20CT003  | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP Seal #2 Tk Level Sensor #1 Loop 2         | 30JEB20CL065  | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP Seal #2 Tk Level Sensor #2 Loop 2         | 30JEB20CL066  | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP Seal #2 Leakoff Flowrate Sensor #1 Loop 2 | 30JEB20CF063  | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP Seal #2 Leakoff Flowrate Sensor #2 Loop 2 | 30JEB20CF064  | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP Seal #3 Tk Level Sensor #1 Loop 2         | 30JEB20CL057  | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP Seal #3 Tk Level Sensor #2 Loop 2         | 30JEB20CL061  | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP SSSS Position Sensor #1 Loop 2            | 30JEB20CG050A | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP SSSS Position Sensor #2 Loop 2            | 30JEB20CG050B | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Diff Current Sensor #1 Loop 2           | 30JEB20CE089  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Diff Current Sensor #2 Loop 2           | 30JEB20CE090  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Diff Current Sensor #3 Loop 2           | 30JEB20CE091  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Current Sensor #1 Loop 2                | 30JEB20CE889  | 32UJK18020                              | M                             | M  | SI                                    | S                        | 1E EMC   | Y (5) | Y (6)                              |  |
| RCP-M Current Sensor #2 Loop 2                | 30JEB20CE890  | 32UJK18020                              | M                             | M  | SI                                    | S                        | 1E EMC   | Y (5) | Y (6)                              |  |
| RCP-M Current Sensor #3 Loop 2                | 30JEB20CE891  | 32UJK18020                              | M                             | M  | SI                                    | S                        | 1E EMC   | Y (5) | Y (6)                              |  |
| RCP-M Speed Sensor Loop 2                     | 30JEB20CS896  | 30UJA18005                              | H                             | H  | RT                                    | SI                       | S 1E EMC | Y (1) | Y (5)                              |  |
| RCP-M Speed Sensor - Standby Loop 2           | 30JEB20CS897  | 30UJA18005                              | H                             | H  | RT                                    | SI                       | S 1E EMC | Y (1) | Y (5)                              |  |
| RCP-M Winding Temp Sensor #1 Loop 2           | 30JEB20CT069  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Winding Temp Sensor #2 Loop 2           | 30JEB20CT070  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Winding Temp Sensor #3 Loop 2           | 30JEB20CT071  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Lwr Oil Tank Temp Sensor Loop 2         | 30JEB20CT585  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Lwr Brg Oil Level Sensor #1 Loop 2      | 30JEB20CL051  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Lwr Brg Oil Level Sensor #2 Loop 2      | 30JEB20CL501  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Lwr Rad Brg Temp Sensor #1 Loop 2       | 30JEB20CT075  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Lwr Rad Brg Temp Sensor #2 Loop 2       | 30JEB20CT084  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Lwr Thr Brg Temp Sensor #1 Loop 2       | 30JEB20CT080  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Lwr Thr Brg Temp Sensor #2 Loop 2       | 30JEB20CT081  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Upr Oil Tk Temp Sensor Loop 2           | 30JEB20CT504  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Upr Brg Oil Level Sensor #1 Loop 2      | 30JEB20CL055  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Upr Brg Oil Level Sensor #2 Loop 2      | 30JEB20CL503  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Upr Rad Brg Temp Sensor #1 Loop 2       | 30JEB20CT076  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Upr Rad Brg Temp Sensor #2 Loop 2       | 30JEB20CT077  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Upr Thr Brg Temp Sensor #1 Loop 2       | 30JEB20CT078  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Upr Thr Brg Temp Sensor #2 Loop 2       | 30JEB20CT079  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Oil Press Sensor #1 Loop 2              | 30JEB20CP099  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Oil Press Sensor #2 Loop 2              | 30JEB20CP505  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP-M Oil Coll Tk Level Sensor Loop 2         | 30JEB20CL056  | 30UJA18005                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| <b>RCP, Loop 3</b>                            |               |   |                               |  |                                       |                          |          |       |                                    |  |
| RCP Motor Loop 3                              | 30JEB30AP001  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| TB Inlet Water Vlv Actuator Loop 3            | 30JEB30AA021  | 30UJA15006                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| TB Outlet Water Vlv Actuator Loop 3           | 30JEB30AA003  | 30UJA15006                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP Seal #1 Leakoff Vlv Act Loop 3            | 30JEB30AA009  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP Seal #2 Tk Water Vlv Act Loop 3           | 30JEB30AA022  | 30UJA18007                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |
| RCP Seal #2 Leakoff Vlv Act Loop 3            | 30JEB30AA010  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1) | Y (5)                              |  |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)              | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |        |        | EQ Program Designation<br>(Note 5) |       |
|---|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|--------|--------|------------------------------------|-------|
|   |               |   |                               |  |                                       | NS-AQ                    | EMC    | Y (1)  | Y (5)                              | Y (6) |
| RCP Seal #3 Inject Vlv Act Loop 3             | 30JEB30AA013  | 30UJA34015                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #3 Leakoff Vlv Act Loop 3            | 30JEB30AA017  | 30UJA15015                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| SSSS Actuation Vlv Act Loop 3                 | 30JEB30AA018  | 30UJA15006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| SSSS Atmos Vent Vlv Act Loop 3                | 30JEB30AA020  | 30UJA15006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Oil Lift Pump Motor Loop 3              | 30JEB30AP011  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Anti-Cond Heater Element Loop 3         | 30JEB30AH501  | 30UJA23006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP TB Press Sensor Loop 3                    | 30JEB30CP002  | 30UJA11006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP TB Temp Sensor Loop 3                     | 30JEB30CT007  | 30UJA11006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #1 Diff Press Sensor #1 Loop 3       | 30JEB30CP065  | 30UJA11006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #1 Diff Press Sensor #2 Loop 3       | 30JEB30CP567  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #1 Temp Sensor #1 Loop 3             | 30JEB30CT002  | 30UJA11006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #1 Temp Sensor #2 Loop 3             | 30JEB30CT003  | 30UJA11006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #2 Tk Level Sensor #1 Loop 3         | 30JEB30CL065  | 30UJA11006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #2 Tk Level Sensor #2 Loop 3         | 30JEB30CL066  | 30UJA11006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #2 Leakoff Flowrate Sensor #1 Loop 3 | 30JEB30CF063  | 30UJA11006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #2 Leakoff Flowrate Sensor #2 Loop 3 | 30JEB30CF064  | 30UJA11006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #3 Tk Level Sensor #1 Loop 3         | 30JEB30CL057  | 30UJA11006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #3 Tk Level Sensor #2 Loop 3         | 30JEB30CL061  | 30UJA11006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP SSSS Position Sensor #1 Loop 3            | 30JEB30CG050A | 30UJA11006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP SSSS Position Sensor #2 Loop 3            | 30JEB30CG050B | 30UJA11006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Diff Current Sensor #1 Loop 3           | 30JEB30CE089  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Diff Current Sensor #2 Loop 3           | 30JEB30CE090  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Diff Current Sensor #3 Loop 3           | 30JEB30CE091  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Current Sensor #1 Loop 3                | 30JEB30CE889  | 33UJK18020                              | M                             | M  | SI                                    | S                        | 1E EMC |        | Y (5)                              | Y (6) |
| RCP-M Current Sensor #2 Loop 3                | 30JEB30CE890  | 33UJK18020                              | M                             | M  | SI                                    | S                        | 1E EMC |        | Y (5)                              | Y (6) |
| RCP-M Current Sensor #3 Loop 3                | 30JEB30CE891  | 33UJK18020                              | M                             | M  | SI                                    | S                        | 1E EMC |        | Y (5)                              | Y (6) |
| RCP-M Speed Sensor Loop 3                     | 30JEB30CS896  | 30UJA18006                              | H                             | H  | RT                                    | SI                       | S      | 1E EMC | Y (1)                              | Y (5) |
| RCP-M Speed Sensor - Standby Loop 3           | 30JEB30CS897  | 30UJA18006                              | H                             | H  | RT                                    | SI                       | S      | 1E EMC | Y (1)                              | Y (5) |
| RCP-M Winding Temp Sensor #1 Loop 3           | 30JEB30CT069  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Winding Temp Sensor #2 Loop 3           | 30JEB30CT070  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Winding Temp Sensor #3 Loop 3           | 30JEB30CT071  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Lwr Oil Tank Temp Sensor Loop 3         | 30JEB30CT585  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Lwr Brg Oil Level Sensor #1 Loop 3      | 30JEB30CL051  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Lwr Brg Oil Level Sensor #2 Loop 3      | 30JEB30CL501  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Lwr Rad Brg Temp Sensor #1 Loop 3       | 30JEB30CT075  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Lwr Rad Brg Temp Sensor #2 Loop 3       | 30JEB30CT084  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Lwr Thr Brg Temp Sensor #1 Loop 3       | 30JEB30CT080  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Lwr Thr Brg Temp Sensor #2 Loop 3       | 30JEB30CT081  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Upr Oil Tk Temp Sensor Loop 3           | 30JEB30CT504  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Upr Brg Oil Level Sensor #1 Loop 3      | 30JEB30CL055  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Upr Brg Oil Level Sensor #2 Loop 3      | 30JEB30CL503  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Upr Rad Brg Temp Sensor #1 Loop 3       | 30JEB30CT076  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Upr Rad Brg Temp Sensor #2 Loop 3       | 30JEB30CT077  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Upr Thr Brg Temp Sensor #1 Loop 3       | 30JEB30CT078  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Upr Thr Brg Temp Sensor #2 Loop 3       | 30JEB30CT079  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Oil Press Sensor #1 Loop 3              | 30JEB30CP099  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)              | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |        |        | EQ Program Designation<br>(Note 5) |       |
|---|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|--------|--------|------------------------------------|-------|
|   |               |   |                               |  |                                       | NS-AQ                    | EMC    | Y (1)  | Y (5)                              | Y (6) |
| RCP-M Oil Press Sensor #2 Loop 3              | 30JEB30CP505  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Oil Coll Tk Level Sensor Loop 3         | 30JEB30CL056  | 30UJA18006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| <b>RCP, Loop 4</b>                            |               |   |                               |  |                                       |                          |        |        |                                    |       |
| RCP Motor Loop 4                              | 30JEB40AP001  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| TB Inlet Water Vlv Actuator Loop 4            | 30JEB40AA021  | 30UJA15009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| TB Outlet Water Vlv Actuator Loop 4           | 30JEB40AA003  | 30UJA15009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #1 Leakoff Vlv Act Loop 4            | 30JEB40AA009  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #2 Tk Water Vlv Act Loop 4           | 30JEB40AA022  | 30UJA18008                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #2 Leakoff Vlv Act Loop 4            | 30JEB40AA010  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #3 Inject Vlv Act Loop 4             | 30JEB40AA013  | 30UJA29016                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #3 Leakoff Vlv Act Loop 4            | 30JEB40AA017  | 30UJA15016                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| SSSS Actuation Vlv Act Loop 4                 | 30JEB40AA018  | 30UJA15009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| SSSS Atmos Vent Vlv Act Loop 4                | 30JEB40AA020  | 30UJA15009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Oil Lift Pump Motor Loop 4              | 30JEB40AP011  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Anti-Cond Heater Element Loop 4         | 30JEB40AH501  | 30UJA23009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP TB Press Sensor Loop 4                    | 30JEB40CP002  | 30UJA11009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP TB Temp Sensor Loop 4                     | 30JEB40CT007  | 30UJA11009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #1 Diff Press Sensor #1 Loop 4       | 30JEB40CP065  | 30UJA11009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #1 Diff Press Sensor #2 Loop 4       | 30JEB40CP567  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #1 Temp Sensor #1 Loop 4             | 30JEB40CT002  | 30UJA11009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #1 Temp Sensor #2 Loop 4             | 30JEB40CT003  | 30UJA11009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #2 Tk Level Sensor #1 Loop 4         | 30JEB40CL065  | 30UJA11009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #2 Tk Level Sensor #2 Loop 4         | 30JEB40CL066  | 30UJA11009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #2 Leakoff Flowrate Sensor #1 Loop 4 | 30JEB40CF063  | 30UJA11009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #2 Leakoff Flowrate Sensor #2 Loop 4 | 30JEB40CF064  | 30UJA11009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #3 Tk Level Sensor #1 Loop 4         | 30JEB40CL057  | 30UJA11009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP Seal #3 Tk Level Sensor #2 Loop 4         | 30JEB40CL061  | 30UJA11009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP SSSS Position Sensor #1 Loop 4            | 30JEB40CG050A | 30UJA11009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP SSSS Position Sensor #2 Loop 4            | 30JEB40CG050B | 30UJA11009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Diff Current Sensor #1 Loop 4           | 30JEB40CE089  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Diff Current Sensor #2 Loop 4           | 30JEB40CE090  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Diff Current Sensor #3 Loop 4           | 30JEB40CE091  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Current Sensor #1 Loop 4                | 30JEB40CE889  | 34UJK18027                              | M                             | M  | SI                                    | S                        | 1E EMC |        | Y (5)                              | Y (6) |
| RCP-M Current Sensor #2 Loop 4                | 30JEB40CE890  | 34UJK18027                              | M                             | M  | SI                                    | S                        | 1E EMC |        | Y (5)                              | Y (6) |
| RCP-M Current Sensor #3 Loop 4                | 30JEB40CE891  | 34UJK18027                              | M                             | M  | SI                                    | S                        | 1E EMC |        | Y (5)                              | Y (6) |
| RCP-M Speed Sensor Loop 4                     | 30JEB40CS896  | 30UJA18009                              | H                             | H  | RT                                    | SI                       | S      | 1E EMC | Y (1)                              | Y (5) |
| RCP-M Speed Sensor - Standby Loop 4           | 30JEB40CS897  | 30UJA18009                              | H                             | H  | RT                                    | SI                       | S      | 1E EMC | Y (1)                              | Y (5) |
| RCP-M Winding Temp Sensor #1 Loop 4           | 30JEB40CT069  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Winding Temp Sensor #2 Loop 4           | 30JEB40CT070  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Winding Temp Sensor #3 Loop 4           | 30JEB40CT071  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Lwr Oil Tank Temp Sensor Loop 4         | 30JEB40CT585  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Lwr Brg Oil Level Sensor #1 Loop 4      | 30JEB40CL051  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Lwr Brg Oil Level Sensor #2 Loop 4      | 30JEB40CL501  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Lwr Rad Brg Temp Sensor #1 Loop 4       | 30JEB40CT075  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |
| RCP-M Lwr Rad Brg Temp Sensor #2 Loop 4       | 30JEB40CT084  | 30UJA18009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)  | Y (5)                              |       |



Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)         | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |                                 | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |
|--|--------------|---|-------------------------------|---------------------------------|---------------------------------|---------------------------------------|--------------------------|------------------------------------|-------|
|  |              |   |                               | Environment<br>Zone<br>(Note 2) | Environment<br>Zone<br>(Note 2) |                                       |                          |                                    |       |
| RCP-M Lwr Thr Brg Temp Sensor #1 Loop 4  | 30JEB40CT080 | 30UJA18009                              | H                             | H                               |                                 | SII NS-AQ EMC                         | Y (1)                    | Y (5)                              |       |
| RCP-M Lwr Thr Brg Temp Sensor #2 Loop 4  | 30JEB40CT081 | 30UJA18009                              | H                             | H                               |                                 | SII NS-AQ EMC                         | Y (1)                    | Y (5)                              |       |
| RCP-M Upr Oil Tk Temp Sensor Loop 4      | 30JEB40CT504 | 30UJA18009                              | H                             | H                               |                                 | SII NS-AQ EMC                         | Y (1)                    | Y (5)                              |       |
| RCP-M Upr Brg Oil Level Sensor #1 Loop 4 | 30JEB40CL055 | 30UJA18009                              | H                             | H                               |                                 | SII NS-AQ EMC                         | Y (1)                    | Y (5)                              |       |
| RCP-M Upr Brg Oil Level Sensor #2 Loop 4 | 30JEB40CL503 | 30UJA18009                              | H                             | H                               |                                 | SII NS-AQ EMC                         | Y (1)                    | Y (5)                              |       |
| RCP-M Upr Rad Brg Temp Sensor #1 Loop 4  | 30JEB40CT076 | 30UJA18009                              | H                             | H                               |                                 | SII NS-AQ EMC                         | Y (1)                    | Y (5)                              |       |
| RCP-M Upr Rad Brg Temp Sensor #2 Loop 4  | 30JEB40CT077 | 30UJA18009                              | H                             | H                               |                                 | SII NS-AQ EMC                         | Y (1)                    | Y (5)                              |       |
| RCP-M Upr Thr Brg Temp Sensor #1 Loop 4  | 30JEB40CT078 | 30UJA18009                              | H                             | H                               |                                 | SII NS-AQ EMC                         | Y (1)                    | Y (5)                              |       |
| RCP-M Upr Thr Brg Temp Sensor #2 Loop 4  | 30JEB40CT079 | 30UJA18009                              | H                             | H                               |                                 | SII NS-AQ EMC                         | Y (1)                    | Y (5)                              |       |
| RCP-M Oil Press Sensor #1 Loop 4         | 30JEB40CP099 | 30UJA18009                              | H                             | H                               |                                 | SII NS-AQ EMC                         | Y (1)                    | Y (5)                              |       |
| RCP-M Oil Press Sensor #2 Loop 4         | 30JEB40CP505 | 30UJA18009                              | H                             | H                               |                                 | SII NS-AQ EMC                         | Y (1)                    | Y (5)                              |       |
| RCP-M Oil Coll Tk Level Sensor Loop 4    | 30JEB40CL056 | 30UJA18009                              | H                             | H                               |                                 | SII NS-AQ EMC                         | Y (1)                    | Y (5)                              |       |
| <b>Reactor Coolant Loop 1</b>            |              |   |                               |                                 |                                 |                                       |                          |                                    |       |
| RCS Flowrate Sensor #1 Loop 1            | 30JEC10CF815 | 30UJA15003                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| RCS Flowrate Sensor #2 Loop 1            | 30JEC10CF817 | 30UJA15003                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| RCS Flowrate Sensor #3 Loop 1            | 30JEC10CF819 | 30UJA15003                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| RCS Flowrate Sensor #4 Loop 1            | 30JEC10CF821 | 30UJA15003                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| RCS Loop Level Sensor Loop 1             | 30JEC10CL823 | 30UJA15003                              | H                             | H                               |                                 | SI S                                  | 1E EMC                   | Y (1)                              | Y (5) |
| RCP Delta P Sensor #1 Loop 1             | 30JEC10CP801 | 30UJA15003                              | H                             | H                               | ES SI S                         | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| RCP Delta P Sensor #2 Loop 1             | 30JEC10CP802 | 30UJA15003                              | H                             | H                               | ES SI S                         | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| H/L NR Temp Sensor #1 Loop 1             | 30JEC10CT801 | 30UJA15003                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| H/L NR Temp Sensor #2 Loop 1             | 30JEC10CT802 | 30UJA15003                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| H/L NR Temp Sensor #3 Loop 1             | 30JEC10CT803 | 30UJA15003                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| H/L NR Temp Sensor #4 Loop 1             | 30JEC10CT804 | 30UJA15003                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| H/L WR Temp Sensor Loop 1                | 30JEC10CT805 | 30UJA15003                              | H                             | H                               | ES PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| C/L NR Temp Sensor #1 Loop 1             | 30JEC10CT807 | 30UJA15002                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| C/L NR Temp Sensor #2 Loop 1             | 30JEC10CT808 | 30UJA15002                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| C/L WR Temp Sensor Loop 1                | 30JEC10CT811 | 30UJA15002                              | H                             | H                               |                                 | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5) |
| <b>Reactor Coolant Loop 2</b>            |              |   |                               |                                 |                                 |                                       |                          |                                    |       |
| RCS Flowrate Sensor #1 Loop 2            | 30JEC20CF815 | 30UJA15004                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| RCS Flowrate Sensor #2 Loop 2            | 30JEC20CF817 | 30UJA15004                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| RCS Flowrate Sensor #3 Loop 2            | 30JEC20CF819 | 30UJA15004                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| RCS Flowrate Sensor #4 Loop 2            | 30JEC20CF821 | 30UJA15004                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| RCS Loop Level Sensor Loop 2             | 30JEC20CL823 | 30UJA15004                              | H                             | H                               |                                 | SI S                                  | 1E EMC                   | Y (1)                              | Y (5) |
| RCP Delta P Sensor #1 Loop 2             | 30JEC20CP801 | 30UJA15004                              | H                             | H                               | ES SI S                         | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| RCP Delta P Sensor #2 Loop 2             | 30JEC20CP802 | 30UJA15004                              | H                             | H                               | ES SI S                         | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| H/L NR Temp Sensor #1 Loop 2             | 30JEC20CT801 | 30UJA15004                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| H/L NR Temp Sensor #2 Loop 2             | 30JEC20CT802 | 30UJA15004                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| H/L NR Temp Sensor #3 Loop 2             | 30JEC20CT803 | 30UJA15004                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| H/L NR Temp Sensor #4 Loop 2             | 30JEC20CT804 | 30UJA15004                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| H/L WR Temp Sensor Loop 2                | 30JEC20CT805 | 30UJA15004                              | H                             | H                               | ES PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| C/L NR Temp Sensor #1 Loop 2             | 30JEC20CT807 | 30UJA15005                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| C/L NR Temp Sensor #2 Loop 2             | 30JEC20CT808 | 30UJA15005                              | H                             | H                               | RT PAM SI S                     | 1E EMC                                | Y (1)                    | Y (5)                              |       |
| C/L WR Temp Sensor Loop 2                | 30JEC20CT811 | 30UJA15005                              | H                             | H                               |                                 | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|----------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|                                  |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |
| <b>Reactor Coolant Loop 3</b>    |              |   |                               |                                 |  |                                       |                          |                                    |
| RCS Flowrate Sensor #1 Loop 3    | 30JEC30CF815 | 30UJA15007                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| RCS Flowrate Sensor #2 Loop 3    | 30JEC30CF817 | 30UJA15007                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| RCS Flowrate Sensor #3 Loop 3    | 30JEC30CF819 | 30UJA15007                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| RCS Flowrate Sensor #4 Loop 3    | 30JEC30CF821 | 30UJA15007                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| RCS Loop Level Sensor Loop 3     | 30JEC30CL823 | 30UJA15007                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| RCP Delta P Sensor #1 Loop 3     | 30JEC30CP801 | 30UJA15007                              | H                             | H                               |  | ES SI S                               | 1E EMC                   | Y (1) Y (5)                        |
| RCP Delta P Sensor #2 Loop 3     | 30JEC30CP802 | 30UJA15007                              | H                             | H                               |  | ES SI S                               | 1E EMC                   | Y (1) Y (5)                        |
| H/L NR Temp Sensor #1 Loop 3     | 30JEC30CT801 | 30UJA15007                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| H/L NR Temp Sensor #2 Loop 3     | 30JEC30CT802 | 30UJA15007                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| H/L NR Temp Sensor #3 Loop 3     | 30JEC30CT803 | 30UJA15007                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| H/L NR Temp Sensor #4 Loop 3     | 30JEC30CT804 | 30UJA15007                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| H/L WR Temp Sensor Loop 3        | 30JEC30CT805 | 30UJA15007                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| C/L NR Temp Sensor #1 Loop 3     | 30JEC30CT807 | 30UJA15006                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| C/L NR Temp Sensor #2 Loop 3     | 30JEC30CT808 | 30UJA15006                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| C/L WR Temp Sensor Loop 3        | 30JEC30CT811 | 30UJA11006                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| PZR Surge Line Temp Sensor       | 30JEC30CT056 | 30UJA15007                              | H                             | H                               |  | SII NS-AQ                             | EMC                      | Y (1) Y (5)                        |
| <b>Reactor Coolant Loop 4</b>    |              |   |                               |                                 |  |                                       |                          |                                    |
| RCS Flowrate Sensor #1 Loop 4    | 30JEC40CF815 | 30UJA15008                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| RCS Flowrate Sensor #2 Loop 4    | 30JEC40CF817 | 30UJA15008                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| RCS Flowrate Sensor #3 Loop 4    | 30JEC40CF819 | 30UJA15008                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| RCS Flowrate Sensor #4 Loop 4    | 30JEC40CF821 | 30UJA15008                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| RCS Loop Level Sensor Loop 4     | 30JEC40CL823 | 30UJA15008                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| RCP Delta P Sensor #1 Loop 4     | 30JEC40CP801 | 30UJA15008                              | H                             | H                               |  | ES SI S                               | 1E EMC                   | Y (1) Y (5)                        |
| RCP Delta P Sensor #2 Loop 4     | 30JEC40CP802 | 30UJA15008                              | H                             | H                               |  | ES SI S                               | 1E EMC                   | Y (1) Y (5)                        |
| H/L NR Temp Sensor #1 Loop 4     | 30JEC40CT801 | 30UJA15008                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| H/L NR Temp Sensor #2 Loop 4     | 30JEC40CT802 | 30UJA15008                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| H/L NR Temp Sensor #3 Loop 4     | 30JEC40CT803 | 30UJA15008                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| H/L NR Temp Sensor #4 Loop 4     | 30JEC40CT804 | 30UJA15008                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| H/L WR Temp Sensor Loop 4        | 30JEC40CT805 | 30UJA15008                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| C/L NR Temp Sensor #1 Loop 4     | 30JEC40CT807 | 30UJA15009                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| C/L NR Temp Sensor #2 Loop 4     | 30JEC40CT808 | 30UJA15009                              | H                             | H                               |  | RT PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| C/L WR Temp Sensor Loop 4        | 30JEC40CT811 | 30UJA15009                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| <b>Pressurizer</b>               |              |   |                               |                                 |  |                                       |                          |                                    |
| PSRV #1 SOV #1 Actuator          | 30JEF10AA717 | 30UJA34019                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| PSRV #1 SOV #2 Actuator          | 30JEF10AA718 | 30UJA34019                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| PSRV #2 SOV #1 Actuator          | 30JEF10AA727 | 30UJA34019                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| PSRV #2 SOV #2 Actuator          | 30JEF10AA728 | 30UJA34019                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| PSRV #3 SOV #1 Actuator          | 30JEF10AA737 | 30UJA34019                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| PSRV #3 SOV #2 Actuator          | 30JEF10AA738 | 30UJA34019                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| PDS Vlv #1 Actuator              | 30JEF10AA004 | 30UJA34019                              | H                             | H                               |  | SII NS-AQ                             | EMC                      | Y (1) Y (5)                        |
| PDS Vlv #2 Actuator              | 30JEF10AA005 | 30UJA34019                              | H                             | H                               |  | SII NS-AQ                             | EMC                      | Y (1) Y (5)                        |
| PDS Vlv #3 Actuator              | 30JEF10AA006 | 30UJA34019                              | H                             | H                               |  | SII NS-AQ                             | EMC                      | Y (1) Y (5)                        |

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| Name Tag (Equipment Description)      | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |    | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|---------------------------------------|---------------|---|-------------------------------|---------------------------------|----|---------------------------------------|--------------------------|------------------------------------|
|                                       |               |   |                               | Environment<br>Zone<br>(Note 2) |    |                                       |                          |                                    |
| PDS Vlv #4 Actuator                   | 30JEF10AA007  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PZR Normal Spray Vlv Actuator Loop 2  | 30JEF10AA102  | 30UJA18018                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| PZR Normal Spray Vlv Actuator Loop 3  | 30JEF10AA103  | 30UJA18018                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #1 Position Sensor               | 30JEF10CG191B | 30UJA34019                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #1 Temp Sensor #1                | 30JEG10CT013  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #1 Temp Sensor #2                | 30JEG10CT016  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #1 Temp Sensor #3                | 30JEG10CT017  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #1 Relief Line Temp Sensor       | 30JEF10CT061  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #2 Position Sensor               | 30JEF10CG192B | 30UJA34019                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #2 Temp Sensor #1                | 30JEG10CT023  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #2 Temp Sensor #2                | 30JEG10CT026  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #2 Temp Sensor #3                | 30JEG10CT027  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #2 Relief Line Temp Sensor       | 30JEF10CT062  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #3 Position Sensor               | 30JEF10CG193B | 30UJA34019                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #3 Temp Sensor #1                | 30JEG10CT033  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #3 Temp Sensor #2                | 30JEG10CT036  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #3 Temp Sensor #3                | 30JEG10CT037  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PSRV #3 Relief Line Temp Sensor       | 30JEF10CT063  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PDS Vlv Temp Sensor                   | 30JEF10CT064  | 30UJA34019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PZR/RCS Level Sensor #1               | 30JEF10CL081  | 30UJA15008                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PZR/RCS Level Sensor #2               | 30JEF10CL782  | 30UJA15008                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PZR Spray Temp Sensor #1              | 30JEF10CT054  | 30UJA29019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PZR Spray Temp Sensor #2              | 30JEF10CT055  | 30UJA29019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PZR Level Sensor #1                   | 30JEF10CL802  | 30UJA15009                              | H                             | H                               | RT | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| PZR Level Sensor #2                   | 30JEF10CL804  | 30UJA15009                              | H                             | H                               | RT | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| PZR Level Sensor #3                   | 30JEF10CL806  | 30UJA15009                              | H                             | H                               | RT | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| PZR Level Sensor #4                   | 30JEF10CL808  | 30UJA15009                              | H                             | H                               | RT | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| PZR NR Press Sensor #1                | 30JEF10CP801  | 30UJA18019                              | H                             | H                               | RT | ES PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| PZR NR Press Sensor #2                | 30JEF10CP803  | 30UJA18019                              | H                             | H                               | RT | ES PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| PZR NR Press Sensor #3                | 30JEF10CP805  | 30UJA18019                              | H                             | H                               | RT | ES PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| PZR NR Press Sensor #4                | 30JEF10CP807  | 30UJA18019                              | H                             | H                               | RT | ES PAM SI S                           | 1E EMC                   | Y (1) Y (5)                        |
| PZR Steam Temp Sensor                 | 30JEF10CT050  | 30UJA29019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PZR Water Temp Sensor                 | 30JEF10CT057  | 30UJA18019                              | H                             | H                               |    | PAM SII                               | NS-AQ EMC                | Y (1) Y (5)                        |
| PZR Vacuum Press Sensor               | 30JEF10CP007  | 30UJA29019                              | H                             | H                               |    | SII                                   | NS-AQ EMC                | Y (1) Y (5)                        |
| PZR On-Off Heater Element #1 Train 1  | 30JEF10AH111A | 30UJA18019                              | H                             | H                               |    | PAM SII                               | NS-AQ                    | Y (1) Y (5)                        |
| PZR On-Off Heater Element #2 Train 1  | 30JEF10AH111B | 30UJA18019                              | H                             | H                               |    | PAM SII                               | NS-AQ                    | Y (1) Y (5)                        |
| PZR On-Off Heater Element #3 Train 1  | 30JEF10AH111C | 30UJA18019                              | H                             | H                               |    | PAM SII                               | NS-AQ                    | Y (1) Y (5)                        |
| PZR On-Off Heater Element #4 Train 1  | 30JEF10AH112A | 30UJA18019                              | H                             | H                               |    | PAM SII                               | NS-AQ                    | Y (1) Y (5)                        |
| PZR On-Off Heater Element #5 Train 1  | 30JEF10AH112B | 30UJA18019                              | H                             | H                               |    | PAM SII                               | NS-AQ                    | Y (1) Y (5)                        |
| PZR On-Off Heater Element #6 Train 1  | 30JEF10AH112C | 30UJA18019                              | H                             | H                               |    | PAM SII                               | NS-AQ                    | Y (1) Y (5)                        |
| PZR On-Off Heater Element #7 Train 1  | 30JEF10AH113A | 30UJA18019                              | H                             | H                               |    | PAM SII                               | NS-AQ                    | Y (1) Y (5)                        |
| PZR On-Off Heater Element #8 Train 1  | 30JEF10AH113B | 30UJA18019                              | H                             | H                               |    | PAM SII                               | NS-AQ                    | Y (1) Y (5)                        |
| PZR On-Off Heater Element #9 Train 1  | 30JEF10AH113C | 30UJA18019                              | H                             | H                               |    | PAM SII                               | NS-AQ                    | Y (1) Y (5)                        |
| PZR On-Off Heater Element #10 Train 1 | 30JEF10AH114A | 30UJA18019                              | H                             | H                               |    | PAM SII                               | NS-AQ                    | Y (1) Y (5)                        |
| PZR On-Off Heater Element #11 Train 1 | 30JEF10AH114B | 30UJA18019                              | H                             | H                               |    | PAM SII                               | NS-AQ                    | Y (1) Y (5)                        |
| PZR On-Off Heater Element #12 Train 1 | 30JEF10AH114C | 30UJA18019                              | H                             | H                               |    | PAM SII                               | NS-AQ                    | Y (1) Y (5)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)         | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | Radiation                     |                                 |                                 | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |  |
|--|---------------|---|-------------------------------|---------------------------------|---------------------------------|---------------------------------------|--------------------------|------------------------------------|--|
|  |               |   | EQ<br>Environment<br>(Note 1) | Environment<br>Zone<br>(Note 2) | Environment<br>Zone<br>(Note 2) |                                       |                          |                                    |  |
| PZR Prop Heater Element #1 Train 1       | 30JEF10AH121A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #2 Train 1       | 30JEF10AH121B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #3 Train 1       | 30JEF10AH121C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #4 Train 1       | 30JEF10AH122A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #5 Train 1       | 30JEF10AH122B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #6 Train 1       | 30JEF10AH122C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #7 Train 1       | 30JEF10AH123A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #8 Train 1       | 30JEF10AH123B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #9 Train 1       | 30JEF10AH123C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #1 Train 1 | 30JEF10AH131A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #2 Train 1 | 30JEF10AH131B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #3 Train 1 | 30JEF10AH131C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #4 Train 1 | 30JEF10AH132A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #5 Train 1 | 30JEF10AH132B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #6 Train 1 | 30JEF10AH132C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #1 Train 2     | 30JEF10AH211A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #2 Train 2     | 30JEF10AH211B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #3 Train 2     | 30JEF10AH211C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #4 Train 2     | 30JEF10AH212A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #5 Train 2     | 30JEF10AH212B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #6 Train 2     | 30JEF10AH212C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #7 Train 2     | 30JEF10AH213A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #8 Train 2     | 30JEF10AH213B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #9 Train 2     | 30JEF10AH213C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #10 Train 2    | 30JEF10AH214A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #11 Train 2    | 30JEF10AH214B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #12 Train 2    | 30JEF10AH214C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #13 Train 2    | 30JEF10AH215A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #14 Train 2    | 30JEF10AH215B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #15 Train 2    | 30JEF10AH215C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #1 Train 2       | 30JEF10AH221A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #2 Train 2       | 30JEF10AH221B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #3 Train 2       | 30JEF10AH221C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #4 Train 2       | 30JEF10AH222A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #5 Train 2       | 30JEF10AH222B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #6 Train 2       | 30JEF10AH222C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #1 Train 2 | 30JEF10AH233A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #2 Train 2 | 30JEF10AH233B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #3 Train 2 | 30JEF10AH233C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #4 Train 2 | 30JEF10AH234A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #5 Train 2 | 30JEF10AH234B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #6 Train 2 | 30JEF10AH234C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #1 Train 3     | 30JEF10AH311A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #2 Train 3     | 30JEF10AH311B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #3 Train 3     | 30JEF10AH311C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #4 Train 3     | 30JEF10AH312A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)         | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | Radiation                     |                                 |                                 | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |  |
|--|---------------|---|-------------------------------|---------------------------------|---------------------------------|---------------------------------------|--------------------------|------------------------------------|--|
|  |               |   | EQ<br>Environment<br>(Note 1) | Environment<br>Zone<br>(Note 2) | Environment<br>Zone<br>(Note 2) |                                       |                          |                                    |  |
| PZR On-Off Heater Element #5 Train 3     | 30JEF10AH312B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #6 Train 3     | 30JEF10AH312C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #7 Train 3     | 30JEF10AH313A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #8 Train 3     | 30JEF10AH313B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #9 Train 3     | 30JEF10AH313C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #10 Train 3    | 30JEF10AH314A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #11 Train 3    | 30JEF10AH314B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #12 Train 3    | 30JEF10AH314C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #13 Train 3    | 30JEF10AH315A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #14 Train 3    | 30JEF10AH315B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #15 Train 3    | 30JEF10AH315C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #1 Train 3       | 30JEF10AH321A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #2 Train 3       | 30JEF10AH321B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #3 Train 3       | 30JEF10AH321C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #4 Train 3       | 30JEF10AH322A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #5 Train 3       | 30JEF10AH322B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #6 Train 3       | 30JEF10AH322C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #1 Train 3 | 30JEF10AH331A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #2 Train 3 | 30JEF10AH331B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #3 Train 3 | 30JEF10AH331C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #4 Train 3 | 30JEF10AH332A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #5 Train 3 | 30JEF10AH332B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #6 Train 3 | 30JEF10AH332C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #1 Train 4     | 30JEF10AH411A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #2 Train 4     | 30JEF10AH411B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #3 Train 4     | 30JEF10AH411C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #4 Train 4     | 30JEF10AH412A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #5 Train 4     | 30JEF10AH412B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #6 Train 4     | 30JEF10AH412C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #7 Train 4     | 30JEF10AH413A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #8 Train 4     | 30JEF10AH413B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #9 Train 4     | 30JEF10AH413C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #10 Train 4    | 30JEF10AH414A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #11 Train 4    | 30JEF10AH414B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off Heater Element #12 Train 4    | 30JEF10AH414C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #1 Train 4       | 30JEF10AH421A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #2 Train 4       | 30JEF10AH421B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #3 Train 4       | 30JEF10AH421C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #4 Train 4       | 30JEF10AH422A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #5 Train 4       | 30JEF10AH422B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #6 Train 4       | 30JEF10AH422C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #7 Train 4       | 30JEF10AH423A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #8 Train 4       | 30JEF10AH423B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR Prop Heater Element #9 Train 4       | 30JEF10AH423C | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #1 Train 4 | 30JEF10AH433A | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |
| PZR On-Off EPS Heater Element #2 Train 4 | 30JEF10AH433B | 30UJA18019                              | H                             | H                               |                                 | PAM SII NS-AQ                         | Y (1)                    | Y (5)                              |  |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 22 of 102)

| Name Tag (Equipment Description)   | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |          | EQ Program Designation<br>(Note 5) |             |
|--|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|----------|------------------------------------|-------------|
|  |               |   |                               |  |                                       |                          |          |                                    |             |
| PZR On-Off EPS Heater Element #3 Train 4                                   | 30JEF10AH433C | 30UJA18019                              | H                             | H  | PAM SII                               | NS-AQ                    |          | Y (1)                              | Y (5)       |
| PZR On-Off EPS Heater Element #4 Train 4                                   | 30JEF10AH434A | 30UJA18019                              | H                             | H  | PAM SII                               | NS-AQ                    |          | Y (1)                              | Y (5)       |
| PZR On-Off EPS Heater Element #5 Train 4                                   | 30JEF10AH434B | 30UJA18019                              | H                             | H  | PAM SII                               | NS-AQ                    |          | Y (1)                              | Y (5)       |
| PZR On-Off EPS Heater Element #6 Train 4                                   | 30JEF10AH434C | 30UJA18019                              | H                             | H  | PAM SII                               | NS-AQ                    |          | Y (1)                              | Y (5)       |
| <b>Pressurizer Relief System</b>   |               |   |                               |  |                                       |                          |          |                                    |             |
| PRT Tank Filling Iso Vlv Actuator  | 30JEG10AA013  | 30UJA15018                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PRT Cooling Iso Vlv Actuator   | 30JEG10AA012  | 30UJA15018                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PRT Vent Iso. Vlv Actuator   | 30JEG10AA014  | 30UJA11019                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PRT Drain Vlv Actuator   | 30JEG10AA401  | 30UJA11019                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PZR Degassing Vlv #1 Actuator  | 30JEF10AA503  | 30UJA34019                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PZR Degassing Vlv #2 Actuator  | 30JEF10AA504  | 30UJA34019                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PZR Degassing Vent Iso Vlv Actuator  | 30JEG10AA025  | 30UJA11019                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PZR Vacuum Pump/N2 Vlv #1 Actuator   | 30JEF10AA501  | 30UJA34019                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PZR Vacuum Pump/N2 Vlv #2 Actuator   | 30JEF10AA502  | 30UJA34019                              | H                             | H  | SII                                   | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PRT Level Sensor #1  | 30JEG10CL051  | 30UJA11019                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PRT Level Sensor #2  | 30JEG10CL151  | 30UJA11019                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PRT Press Sensor #1  | 30JEG10CP061  | 30UJA11019                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PRT Press Sensor #2  | 30JEG10CP161  | 30UJA11019                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PRT Temp Sensor #1   | 30JEG10CT021  | 30UJA11019                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| PRT Temp Sensor #2   | 30JEG10CT121  | 30UJA11019                              | H                             | H  | PAM SII                               | NS-AQ                    | EMC      | Y (1)                              | Y (5)       |
| <b>Safety Injection &amp; Residual Heat Removal System (SIS &amp; RHR)</b> |               |   |                               |  |                                       |                          |          |                                    |             |
| RHR 1st RCPB Iso. Valve Actuator   | 30JNA10AA001  | 30UJA11003                              | H                             | H  | ES PAM SI                             | S                        | 1E EMC   | Y (1)                              | Y (5)       |
| RHR 2nd RCPB Iso. Valve Actuator   | 30JNA10AA002  | 30UJA11025                              | H                             | H  | ES PAM SI                             | S                        | 1E EMC   | Y (1)                              | Y (5)       |
| RHR Outside Cont. Iso. Valve Actuator                                      | 30JNA10AA003  | 31UJH05004                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| LHSI HX Bypass Control Valve Actuator                                      | 30JNA10AA101  | 31UJH05004                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| RHR 1st RCPB Iso. Valve Actuator   | 30JNA20AA001  | 30UJA11004                              | H                             | H  | ES PAM SI                             | S                        | 1E EMC   | Y (1)                              | Y (5)       |
| RHR 2nd RCPB Iso. Valve Actuator   | 30JNA20AA002  | 30UJA11026                              | H                             | H  | ES PAM SI                             | S                        | 1E EMC   | Y (1)                              | Y (5)       |
| RHR Outside Cont. Iso. Valve Actuator                                      | 30JNA20AA003  | 32UJH05002                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| LHSI HX Bypass Control Valve Actuator                                      | 30JNA20AA101  | 32UJH05002                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| RHR 1st RCPB Iso. Valve Actuator   | 30JNA30AA001  | 30UJA11007                              | H                             | H  | ES PAM SI                             | S                        | 1E EMC   | Y (1)                              | Y (5)       |
| RHR 2nd RCPB Iso. Valve Actuator   | 30JNA30AA002  | 30UJA11027                              | H                             | H  | ES PAM SI                             | S                        | 1E EMC   | Y (1)                              | Y (5)       |
| RHR Outside Cont. Iso. Valve Actuator                                      | 30JNA30AA003  | 33UJH05002                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| HX Byp. Iso. Valve Act. on Puri. to CVCS                                   | 30JNA30AA004  | 33UJH05002                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| LHSI HX Bypass Control Valve Actuator                                      | 30JNA30AA101  | 33UJH05002                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| HX Byp. Thr. Valve Act. on Puri. to CVCS                                   | 30JNA30AA103  | 33UJH05002                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| RHR 1st RCPB Iso. Valve Actuator   | 30JNA40AA001  | 30UJA11008                              | H                             | H  | ES PAM SI                             | S                        | 1E EMC   | Y (1)                              | Y (5)       |
| RHR 2nd RCPB Iso. Valve Actuator   | 30JNA40AA002  | 30UJA11028                              | H                             | H  | ES PAM SI                             | S                        | 1E EMC   | Y (1)                              | Y (5)       |
| RHR Outside Cont. Iso. Valve Actuator                                      | 30JNA40AA003  | 34UJH05004                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| HX Byp. Iso. Valve Act. on Puri. to CVCS                                   | 30JNA40AA004  | 34UJH05004                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| LHSI HX Bypass Control Valve Actuator                                      | 30JNA40AA101  | 34UJH05004                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| HX Byp. Thr. Valve Act. on Puri. to CVCS                                   | 30JNA40AA103  | 34UJH05004                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| MHSI Outside Cont. Iso. Valve Actuator                                     | 30JND10AA002  | 31UJH05004                              | M                             | H  | ES PAM SI                             | S                        | 1E EMC   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)         | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|--|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|  |              |   |                               |  |                                       |                          |                                    |             |
| MHSI Small Miniflow Iso. Valve Actuator  | 30JND10AA004 | 30UJA07014                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| MHSI Large Miniflow Iso. Valve Actuator  | 30JND10AA005 | 30UJA07014                              | H                             | H  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| MHSI Pump Motor                          | 30JND10AP001 | 31UJH01002                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| MHSI Outside Cont. Iso. Valve Actuator   | 30JND20AA002 | 32UJH05002                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| MHSI Small Miniflow Iso. Valve Actuator  | 30JND20AA004 | 30UJA07014                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| MHSI Large Miniflow Iso. Valve Actuator  | 30JND20AA005 | 30UJA07014                              | H                             | H  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| MHSI Pump Motor                          | 30JND20AP001 | 32UJH01007                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| MHSI Outside Cont. Iso. Valve Actuator   | 30JND30AA002 | 33UJH05002                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| MHSI Small Miniflow Iso. Valve Actuator  | 30JND30AA004 | 30UJA07015                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| MHSI Large Miniflow Iso. Valve Actuator  | 30JND30AA005 | 30UJA07015                              | H                             | H  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| MHSI Pump Motor                          | 30JND30AP001 | 33UJH01007                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| MHSI Outside Cont. Iso. Valve Actuator   | 30JND40AA002 | 34UJH05004                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| MHSI Small Miniflow Iso. Valve Actuator  | 30JND40AA004 | 30UJA07015                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| MHSI Large Miniflow Iso. Valve Actuator  | 30JND40AA005 | 30UJA07015                              | H                             | H  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| MHSI Pump Motor                          | 30JND40AP001 | 34UJH01002                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Suction Isolation Valve Actuator    | 30JNG10AA001 | 31UJH01005                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Rad. Miniflow Check Valve Actuator  | 30JNG10AA003 | 30UJA07014                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| LHSI Tan. Miniflow Check Valve Actuator  | 30JNG10AA004 | 30UJA07014                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| LHSI Cross-Connect Iso. Valve Actuator   | 30JNG10AA010 | 30UJA11013                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| LHSI Out. Cont. Main Iso. Valve Actuator | 30JNG10AA060 | 31UJH05004                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Out. Cont. Bypass Iso. Valve Act.   | 30JNG10AA061 | 31UJH05004                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI HX Main Control Valve Actuator      | 30JNG10AA102 | 31UJH05004                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI HX Pre-Valve Actuator               | 30JNG10AA104 | 31UJH05004                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Sampling Line Iso. Valve Actuator   | 30JNG10AA601 | 31UJH05004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Sampling Line Iso. Valve Actuator   | 30JNG10AA602 | 31UJH05005                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Sampling Line Iso. Valve Actuator   | 30JNG10AA603 | 31UJH05005                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Pump Motor                          | 30JNG10AP001 | 31UJH01006                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI HL Injection Iso. Valve Actuator    | 30JNG12AA001 | 31UJH05004                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Accum. Filling Line Iso. Valve Actuator  | 30JNG13AA002 | 30UJA07014                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| Accum.-Nitrogen Dist. Iso. Valve Act.    | 30JNG13AA006 | 30UJA23013                              | H                             | H  | SI                                    | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Accumulator Isolation Valve Actuator     | 30JNG13AA008 | 30UJA11025                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| Accum. Depress. Control Valve Actuator   | 30JNG13AA101 | 30UJA23013                              | H                             | H  | SI                                    | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Accum. Depress. Iso. Valve Actuator      | 30JNG13AA502 | 30UJA23013                              | H                             | H  | SI                                    | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Accum. Sampling Line Iso. Valve Act.     | 30JNG13AA602 | 30UJA15013                              | H                             | H  | SI                                    | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Dead Leg Pressurization Valve Actuator   | 30JNG15AA001 | 30UJA11003                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| RCS Suct. Line Press. Valve Actuator     | 30JNG15AA002 | 30UJA11003                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| Dead Leg Press. Bypass Iso. Valve Act.   | 30JNG15AA003 | 30UJA11003                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| Dead Leg Press. Control Iso. Valve Act.  | 30JNG15AA004 | 30UJA07014                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| LHSI Suction Isolation Valve Actuator    | 30JNG20AA001 | 32UJH01008                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Rad. Miniflow Check Valve Actuator  | 30JNG20AA003 | 30UJA07014                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| LHSI Tan. Miniflow Check Valve Actuator  | 30JNG20AA004 | 30UJA07014                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| LHSI Cross-Connect Iso. Valve Actuator   | 30JNG20AA010 | 30UJA11014                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| LHSI Out. Cont. Main Iso. Valve Actuator | 30JNG20AA060 | 32UJH05002                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Out. Cont. Bypass Iso. Valve Act.   | 30JNG20AA061 | 32UJH05002                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI HX Main Control Valve Actuator      | 30JNG20AA102 | 32UJH05002                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI HX Pre-Valve Actuator               | 30JNG20AA104 | 32UJH05002                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 24 of 102)

| Name Tag (Equipment Description)         | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|--|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|  |              |   |                               |  |                                       |                          |                                    |             |
| LHSI Sampling Line Iso. Valve Actuator   | 30JNG20AA601 | 32UJH05002                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| LHSI Sampling Line Iso. Valve Actuator   | 30JNG20AA602 | 32UJH05006                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| LHSI Sampling Line Iso. Valve Actuator   | 30JNG20AA603 | 32UJH05006                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| LHSI Pump Motor                          | 30JNG20AP001 | 32UJH01009                              | M                             | H  | ES PAM                                | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| LHSI HL Injection Iso. Valve Actuator    | 30JNG22AA001 | 32UJH05002                              | M                             | H  | ES PAM                                | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| Accum. Filling Line Iso. Valve Actuator  | 30JNG23AA002 | 30UJA07014                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| Accum.-Nitrogen Dist. Iso. Valve Act.    | 30JNG23AA006 | 30UJA23014                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Accumulator Isolation Valve Actuator     | 30JNG23AA008 | 30UJA11026                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| Accum. Depress. Control Valve Actuator   | 30JNG23AA101 | 30UJA23014                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Accum. Depress. Iso. Valve Actuator      | 30JNG23AA502 | 30UJA23014                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Accum. Sampling Line Iso. Valve Act.     | 30JNG23AA602 | 30UJA15014                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Dead Leg Pressurization Valve Actuator   | 30JNG25AA001 | 30UJA11004                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| RCS Suct. Line Press. Valve Actuator     | 30JNG25AA002 | 30UJA11004                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| Dead Leg Press. Bypass Iso. Valve Act.   | 30JNG25AA003 | 30UJA11004                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| Dead Leg Press. Control Iso. Valve Act.  | 30JNG25AA004 | 30UJA07014                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| LHSI Suction Isolation Valve Actuator    | 30JNG30AA001 | 33UJH01008                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| LHSI Rad. Miniflow Check Valve Actuator  | 30JNG30AA003 | 30UJA07015                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| LHSI Tan. Miniflow Check Valve Actuator  | 30JNG30AA004 | 30UJA07015                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| LHSI Cross-Connect Iso. Valve Actuator   | 30JNG30AA010 | 30UJA11015                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| LHSI Out. Cont. Main Iso. Valve Actuator | 30JNG30AA060 | 33UJH05002                              | M                             | H  | ES PAM                                | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| LHSI Out. Cont. Bypass Iso. Valve Act.   | 30JNG30AA061 | 33UJH05002                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| LHSI HX Main Control Valve Actuator      | 30JNG30AA102 | 33UJH05002                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| LHSI HX Pre-Valve Actuator               | 30JNG30AA104 | 33UJH05002                              | M                             | H  | ES PAM                                | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| LHSI Sampling Line Iso. Valve Actuator   | 30JNG30AA601 | 33UJH05002                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| LHSI Sampling Line Iso. Valve Actuator   | 30JNG30AA602 | 33UJH05006                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| LHSI Sampling Line Iso. Valve Actuator   | 30JNG30AA603 | 33UJH05006                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| LHSI Pump Motor                          | 30JNG30AP001 | 33UJH01009                              | M                             | H  | ES PAM                                | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| LHSI HL Injection Iso. Valve Actuator    | 30JNG32AA001 | 33UJH05002                              | M                             | H  | ES PAM                                | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| Accum. Filling Line Iso. Valve Actuator  | 30JNG33AA002 | 30UJA07015                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| Accum.-Nitrogen Dist. Iso. Valve Act.    | 30JNG33AA006 | 30UJA23015                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Accumulator Isolation Valve Actuator     | 30JNG33AA008 | 30UJA11027                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| Accum. Depress. Control Valve Actuator   | 30JNG33AA101 | 30UJA23015                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Accum. Depress. Iso. Valve Actuator      | 30JNG33AA502 | 30UJA23015                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Accum. Sampling Line Iso. Valve Act.     | 30JNG33AA602 | 30UJA15015                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Dead Leg Pressurization Valve Actuator   | 30JNG35AA001 | 30UJA11007                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| RCS Suct. Line Press. Valve Actuator     | 30JNG35AA002 | 30UJA11007                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| Dead Leg Press. Bypass Iso. Valve Act.   | 30JNG35AA003 | 30UJA11007                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| Dead Leg Press. Control Iso. Valve Act.  | 30JNG35AA004 | 30UJA07015                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| LHSI Suction Isolation Valve Actuator    | 30JNG40AA001 | 34UJH01005                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| LHSI Rad. Miniflow Check Valve Actuator  | 30JNG40AA003 | 30UJA07015                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| LHSI Tan. Miniflow Check Valve Actuator  | 30JNG40AA004 | 30UJA07015                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| SAHRS-IRWST 1st Iso. Valve Actuator      | 30JNG40AA007 | 34UJH01006                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| SAHRS-IRWST 2nd Iso. Valve Actuator      | 30JNG40AA008 | 34UJH01006                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| LHSI Cross-Connect Iso. Valve Actuator   | 30JNG40AA010 | 30UJA11016                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |
| LHSI Out. Cont. Main Iso. Valve Actuator | 30JNG40AA060 | 34UJH05004                              | M                             | H  | ES PAM                                | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| LHSI Out. Cont. Bypass Iso. Valve Act.   | 30JNG40AA061 | 34UJH05004                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |



Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)        | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|---|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|   |               |   |                               |  |                                       |                          |                                    |             |
| LHSI HX Main Control Valve Actuator     | 30JNG40AA102  | 34UJH05004                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| LHSI HX Pre-Valve Actuator              | 30JNG40AA104  | 34UJH05004                              | M                             | H  | ES PAM SI                             | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| LHSI Sampling Line Iso. Valve Actuator  | 30JNG40AA601  | 34UJH05004                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| LHSI Sampling Line Iso. Valve Actuator  | 30JNG40AA602  | 34UJH05005                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| LHSI Sampling Line Iso. Valve Actuator  | 30JNG40AA603  | 34UJH05005                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| LHSI Pump Motor                         | 30JNG40AP001  | 34UJH01006                              | M                             | H  | ES PAM SI                             | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| LHSI HL Injection Iso. Valve Actuator   | 30JNG42AA001  | 34UJH05004                              | M                             | H  | ES PAM SI                             | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| Accum. Filling Line Iso. Valve Actuator | 30JNG43AA002  | 30UJA07015                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5)       |
| Accum.-Nitrogen Dist. Iso. Valve Act.   | 30JNG43AA006  | 30UJA23016                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Accumulator Isolation Valve Actuator    | 30JNG43AA008  | 30UJA11028                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5)       |
| Accum. Depress. Control Valve Actuator  | 30JNG43AA101  | 30UJA23016                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Accum. Depress. Iso. Valve Actuator     | 30JNG43AA502  | 30UJA23016                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Accum. Sampling Line Iso. Valve Act.    | 30JNG43AA602  | 30UJA15016                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Dead Leg Pressurization Valve Actuator  | 30JNG45AA001  | 30UJA11008                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5)       |
| RCS Suct. Line Press. Valve Actuator    | 30JNG45AA002  | 30UJA11008                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5)       |
| Dead Leg Press. Bypass Iso. Valve Act.  | 30JNG45AA003  | 30UJA11008                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5)       |
| Dead Leg Press. Control Iso. Valve Act. | 30JNG45AA004  | 30UJA07015                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5)       |
| LHSI HX Byp. Control Valve Pos. Sensor  | 30JNA10CG101  | 31UJH05004                              | M                             | H  | ES PAM SI                             | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| RHR Suct. Line Safety Valve Pos. Sensor | 30JNA10CG191B | 30UJA11025                              | H                             | H  | ES PAM SI                             | S 1E EMC                 | Y (1)                              | Y (5)       |
| SAB Sump Level Sensor 1                 | 30JNA10CL801  | 31UJH10004                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Sump Level Sensor 2                 | 30JNA10CL802  | 31UJH10004                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Sump Level Sensor 3                 | 30JNA10CL803  | 31UJH10004                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Sump Level Sensor 4                 | 30JNA10CL804  | 31UJH10004                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Pressure Sensor 1                   | 30JNA10CP801  | 31UJH10004                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Pressure Sensor 2                   | 30JNA10CP802  | 31UJH10004                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Pressure Sensor 3                   | 30JNA10CP803  | 31UJH10004                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Pressure Sensor 4                   | 30JNA10CP804  | 31UJH10004                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| Hot Leg Pressure Sensor (WR)            | 30JNA10CP826  | 30UJA07014                              | H                             | H  | RT ES PAM SI                          | S 1E EMC                 | Y (1)                              | Y (5)       |
| Hot Leg Pressure Sensor (NR)            | 30JNA10CP827  | 30UJA07014                              | H                             | H  | RT ES PAM SI                          | S 1E EMC                 | Y (1)                              | Y (5)       |
| LHSI HX Byp. Control Valve Pos. Sensor  | 30JNA20CG101  | 32UJH05002                              | M                             | H  | ES PAM SI                             | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| RHR Suct. Line Safety Valve Pos. Sensor | 30JNA20CG191B | 30UJA11026                              | H                             | H  | ES PAM SI                             | S 1E EMC                 | Y (1)                              | Y (5)       |
| SAB Sump Level Sensor 1                 | 30JNA20CL801  | 32UJH10002                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Sump Level Sensor 2                 | 30JNA20CL802  | 32UJH10002                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Sump Level Sensor 3                 | 30JNA20CL803  | 32UJH10002                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Sump Level Sensor 4                 | 30JNA20CL804  | 32UJH10002                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Pressure Sensor 1                   | 30JNA20CP801  | 32UJH10002                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Pressure Sensor 2                   | 30JNA20CP802  | 32UJH10002                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Pressure Sensor 3                   | 30JNA20CP803  | 32UJH10002                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Pressure Sensor 4                   | 30JNA20CP804  | 32UJH10002                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| Hot Leg Pressure Sensor (WR)            | 30JNA20CP826  | 30UJA07014                              | H                             | H  | RT ES PAM SI                          | S 1E EMC                 | Y (1)                              | Y (5)       |
| Hot Leg Pressure Sensor (NR)            | 30JNA20CP827  | 30UJA07014                              | H                             | H  | RT ES PAM SI                          | S 1E EMC                 | Y (1)                              | Y (5)       |
| LHSI HX Byp. Control Valve Pos. Sensor  | 30JNA30CG101  | 33UJH05002                              | M                             | H  | ES PAM SI                             | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| HX Thr. Val. on Puri. to CVCS Pos. Ssr. | 30JNA30CG103  | 33UJH05002                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| RHR Suct. Line Safety Valve Pos. Sensor | 30JNA30CG191B | 30UJA11027                              | H                             | H  | ES PAM SI                             | S 1E EMC                 | Y (1)                              | Y (5)       |
| SAB Sump Level Sensor 1                 | 30JNA30CL801  | 33UJH10002                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| SAB Sump Level Sensor 2                 | 30JNA30CL802  | 33UJH10002                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)         | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |       |     | EQ Program Designation<br>(Note 5) |       |       |             |             |
|--|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|-------|-----|------------------------------------|-------|-------|-------------|-------------|
|  |               |   |                               |  |                                       |                          |       |     |                                    |       |       |             |             |
| SAB Sump Level Sensor 3                  | 30JNA30CL803  | 33UJH10002                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| SAB Sump Level Sensor 4                  | 30JNA30CL804  | 33UJH10002                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| SAB Pressure Sensor 1                    | 30JNA30CP801  | 33UJH10002                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| SAB Pressure Sensor 2                    | 30JNA30CP802  | 33UJH10002                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| SAB Pressure Sensor 3                    | 30JNA30CP803  | 33UJH10002                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| SAB Pressure Sensor 4                    | 30JNA30CP804  | 33UJH10002                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| Hot Leg Pressure Sensor (WR)             | 30JNA30CP826  | 30UJA07015                              | H                             | H  | RT                                    | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (1)       | Y (5)       |
| Hot Leg Pressure Sensor (NR)             | 30JNA30CP827  | 30UJA07015                              | H                             | H  | RT                                    | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (1)       | Y (5)       |
| LHSI HX Byp. Control Valve Pos. Sensor   | 30JNA40CG101  | 34UJH05004                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| HX Thr. Val. on Puri. to CVCS Pos. Sr.   | 30JNA40CG103  | 34UJH05004                              | M                             | H  |                                       | ES                       | SI    | S   | 1E                                 | EMC   | Y (2) | Y (5) Y (6) |             |
| RHR Suct. Line Safety Valve Pos. Sensor  | 30JNA40CG191B | 30UJA11028                              | H                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (1)       | Y (5)       |
| SAB Sump Level Sensor 1                  | 30JNA40CL801  | 34UJH10004                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| SAB Sump Level Sensor 2                  | 30JNA40CL802  | 34UJH10004                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| SAB Sump Level Sensor 3                  | 30JNA40CL803  | 34UJH10004                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| SAB Sump Level Sensor 4                  | 30JNA40CL804  | 34UJH10004                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| SAB Pressure Sensor 1                    | 30JNA40CP801  | 34UJH10004                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| SAB Pressure Sensor 2                    | 30JNA40CP802  | 34UJH10004                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| SAB Pressure Sensor 3                    | 30JNA40CP803  | 34UJH10004                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| SAB Pressure Sensor 4                    | 30JNA40CP804  | 34UJH10004                              | M                             | H  |                                       | SII                      | NS-AQ | EMC |                                    | Y (2) | Y (5) | Y (6)       |             |
| Hot Leg Pressure Sensor (WR)             | 30JNA40CP826  | 30UJA07016                              | H                             | H  | RT                                    | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (1)       | Y (5)       |
| Hot Leg Pressure Sensor (NR)             | 30JNA40CP827  | 30UJA07016                              | H                             | H  | RT                                    | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (1)       | Y (5)       |
| MHSI Flowrate Sensor (WR)                | 30JND10CF001A | 31UJH01001                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| MHSI Flowrate Sensor (NR)                | 30JND10CF001B | 31UJH01001                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| MHSI Pump Downstream Press. Sensor       | 30JND10CP003  | 31UJH01001                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| MHSI Flowrate Sensor (WR)                | 30JND20CF001A | 32UJH01003                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| MHSI Flowrate Sensor (NR)                | 30JND20CF001B | 32UJH01003                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| MHSI Pump Downstream Press. Sensor       | 30JND20CP003  | 32UJH01003                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| MHSI Flowrate Sensor (WR)                | 30JND30CF001A | 33UJH01003                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| MHSI Flowrate Sensor (NR)                | 30JND30CF001B | 33UJH01003                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| MHSI Pump Downstream Press. Sensor       | 30JND30CP003  | 33UJH01003                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| MHSI Flowrate Sensor (WR)                | 30JND40CF001A | 34UJH01001                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| MHSI Flowrate Sensor (NR)                | 30JND40CF001B | 34UJH01001                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| MHSI Pump Downstream Press. Sensor       | 30JND40CP003  | 34UJH01001                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| RHR Flowrate Sensor (WR)                 | 30JNG10CF001A | 31UJH01001                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| RHR Flowrate Sensor (NR)                 | 30JNG10CF001B | 31UJH01001                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| LHSI Disch. Line Safety Val. Pos. Sensor | 30JNG10CG192B | 30UJA11025                              | H                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (1)       | Y (5)       |
| LHSI HX Main Control Valve Pos. Sensor   | 30JNG10CG802  | 31UJH05004                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| LHSI Pump Downstream Press. Sensor       | 30JNG10CP003  | 31UJH05010                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| LHSI Pump Downstream Temp. Sensor        | 30JNG10CT001  | 31UJH05004                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| RHR Temperature Sensor                   | 30JNG10CT002  | 31UJH01002                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| Hot Leg Injection Flowrate Sensor        | 30JNG12CF001  | 31UJH01001                              | M                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (2)       | Y (5) Y (6) |
| Accumulator Level Sensor 1 (NR)          | 30JNG13CL001  | 30UJA18013                              | H                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (1)       | Y (5)       |
| Accumulator Level Sensor 2 (NR)          | 30JNG13CL002  | 30UJA18013                              | H                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (1)       | Y (5)       |
| Accumulator Level Sensor (WR)            | 30JNG13CL003  | 30UJA15013                              | H                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (1)       | Y (5)       |
| Accumulator Pressure Sensor 1 (NR)       | 30JNG13CP001  | 30UJA23013                              | H                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (1)       | Y (5)       |
| Accumulator Pressure Sensor 2 (NR)       | 30JNG13CP002  | 30UJA23013                              | H                             | H  |                                       | ES                       | PAM   | SI  | S                                  | 1E    | EMC   | Y (1)       | Y (5)       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 27 of 102)

| Name Tag (Equipment Description)         | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|--|---------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|  |               |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| Accumulator Pressure Sensor (WR)         | 30JNG13CP004  | 30UJA23013                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| RHR Flowrate Sensor (WR)                 | 30JNG20CF001A | 32UJH01003                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| RHR Flowrate Sensor (NR)                 | 30JNG20CF001B | 32UJH01003                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Disch. Line Safety Val. Pos. Sensor | 30JNG20CG192B | 30UJA11026                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| LHSI HX Main Control Valve Pos. Sensor   | 30JNG20CG802  | 32UJH05002                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Pump Downstream Press. Sensor       | 30JNG20CP003  | 32UJH05005                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Pump Downstream Temp. Sensor        | 30JNG20CT001  | 32UJH05002                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| RHR Temperature Sensor                   | 30JNG20CT002  | 32UJH01007                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Hot Leg Injection Flowrate Sensor        | 30JNG22CF001  | 32UJH05010                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Accumulator Level Sensor 1 (NR)          | 30JNG23CL001  | 30UJA18014                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Level Sensor 2 (NR)          | 30JNG23CL002  | 30UJA18014                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Level Sensor (WR)            | 30JNG23CL003  | 30UJA15014                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Pressure Sensor 1 (NR)       | 30JNG23CP001  | 30UJA23014                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Pressure Sensor 2 (NR)       | 30JNG23CP002  | 30UJA23014                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Pressure Sensor (WR)         | 30JNG23CP004  | 30UJA23014                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| RHR Flowrate Sensor (WR)                 | 30JNG30CF001A | 33UJH01003                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| RHR Flowrate Sensor (NR)                 | 30JNG30CF001B | 33UJH01003                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Disch. Line Safety Val. Pos. Sensor | 30JNG30CG192B | 30UJA11027                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| LHSI HX Main Control Valve Pos. Sensor   | 30JNG30CG802  | 33UJH05002                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Pump Downstream Press. Sensor       | 30JNG30CP003  | 33UJH05005                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Pump Downstream Temp. Sensor        | 30JNG30CT001  | 33UJH05002                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| RHR Temperature Sensor                   | 30JNG30CT002  | 33UJH01007                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Hot Leg Injection Flowrate Sensor        | 30JNG32CF001  | 33UJH05010                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Accumulator Level Sensor 1 (NR)          | 30JNG33CL001  | 30UJA18015                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Level Sensor 2 (NR)          | 30JNG33CL002  | 30UJA18015                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Level Sensor (WR)            | 30JNG33CL003  | 30UJA15015                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Pressure Sensor 1 (NR)       | 30JNG33CP001  | 30UJA23015                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Pressure Sensor 2 (NR)       | 30JNG33CP002  | 30UJA23015                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Pressure Sensor (WR)         | 30JNG33CP004  | 30UJA23015                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| RHR Flowrate Sensor (WR)                 | 30JNG40CF001A | 34UJH01001                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| RHR Flowrate Sensor (NR)                 | 30JNG40CF001B | 34UJH01001                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Disch. Line Safety Val. Pos. Sensor | 30JNG40CG192B | 30UJA11028                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| LHSI HX Main Control Valve Pos. Sensor   | 30JNG40CG802  | 34UJH05004                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Pump Downstream Press. Sensor       | 30JNG40CP003  | 34UJH05006                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LHSI Pump Downstream Temp. Sensor        | 30JNG40CT001  | 34UJH05004                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| RHR Temperature Sensor                   | 30JNG40CT002  | 34UJH01002                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Hot Leg Injection Flowrate Sensor        | 30JNG42CF001  | 34UJH01001                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Accumulator Level Sensor 1 (NR)          | 30JNG43CL001  | 30UJA18016                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Level Sensor 2 (NR)          | 30JNG43CL002  | 30UJA18016                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Level Sensor (WR)            | 30JNG43CL003  | 30UJA15016                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Pressure Sensor 1 (NR)       | 30JNG43CP001  | 30UJA23016                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Pressure Sensor 2 (NR)       | 30JNG43CP002  | 30UJA23016                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |
| Accumulator Pressure Sensor (WR)         | 30JNG43CP004  | 30UJA23016                              | H                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (1)                              | Y (5)       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 28 of 102)

| Name Tag (Equipment Description)             | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |        | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |                   |
|--|---------------|---|-------------------------------|---------------------------------|--------|---------------------------------------|--------------------------|------------------------------------|-------------------|
|  |               |   |                               | Environment<br>Zone<br>(Note 2) |        |                                       |                          |                                    |                   |
| <b>Component Cooling Water System (CCWS)</b> |               |   |                               |                                 |        |                                       |                          |                                    |                   |
| MOTOR FDR CUR L2                             | 30KAA10CE102  | 31UJK18026                              | M                             | M                               |        | SII                                   | NS-AQ                    | EMC                                | Y (5) Y (6)       |
| F TRN10 HX OUT MEAS                          | 30KAA10CF053  | 31UJH10026                              | M                             | H                               | ES PAM | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| CTR-V DW TRN10                               | 30KAA10CF057  | 31UJH01024                              | M                             | H                               |        | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| F TRN10 HX OUT TEST MEAS                     | 30KAA10CF255  | 31UJH10026                              | M                             | H                               |        | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| F RETN SUR TK10 MEAS                         | 30KAA10CF570  | 31UJH01026                              | M                             | H                               |        | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| G OPNG *10AA006*                             | 30KAA10CG006A | 31UJH10004                              | M                             | H                               | ES     | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| G CLS *10AA006*                              | 30KAA10CG006B | 31UJH10004                              | M                             | H                               | ES     | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| G OPNG *10AA010*                             | 30KAA10CG010A | 31UJH10004                              | M                             | H                               | ES     | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| G CLS *10AA010*                              | 30KAA10CG010B | 31UJH10004                              | M                             | H                               | ES     | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| G OPNG *10AA027*                             | 30KAA10CG027A | 31UJH01024                              | M                             | H                               | ES     | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| G CLS *10AA027*                              | 30KAA10CG027B | 31UJH01024                              | M                             | H                               | ES     | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| G OPNG *10AA032*                             | 30KAA10CG032A | 31UJH10004                              | M                             | H                               | ES     | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| G CLS *10AA032*                              | 30KAA10CG032B | 31UJH10004                              | M                             | H                               | ES     | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| G OPNG *10AA033*                             | 30KAA10CG033A | 31UJH10004                              | M                             | H                               | ES     | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| G CLS *10AA033*                              | 30KAA10CG033B | 31UJH10004                              | M                             | H                               | ES     | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| G MEAS *10AA112*                             | 30KAA10CG112  | 31UJH10026                              | M                             | H                               | ES     | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| Tr 1 SUR Tk Lvl 1                            | 30KAA10CL094  | 31UJK31026                              | M                             | M                               | ES PAM | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| Tr 1 SUR Tk Lvl 2                            | 30KAA10CL099  | 31UJK31027                              | M                             | M                               | ES PAM | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| L OIL PP1 DRV-E BRG                          | 30KAA10CL520  | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| L OIL PP1 BRG                                | 30KAA10CL521  | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| L SUR TK10 MEAS                              | 30KAA10CL598  | 31UJK31027                              | M                             | M                               |        | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| DP HX10 MEAS                                 | 30KAA10CP051  | 31UJH05026                              | M                             | H                               |        | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| P DNSTR PP10                                 | 30KAA10CP083  | 31UJH01026                              | M                             | H                               | ES PAM | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| DP SUCT STRN10                               | 30KAA10CP274  | 31UJH01026                              | M                             | H                               |        | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| P DNSTR HX10                                 | 30KAA10CP297  | 31UJH10026                              | M                             | H                               |        | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| P UPSTR PP10                                 | 30KAA10CP578  | 31UJH01026                              | M                             | H                               |        | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| P TEST DNSTR PP10                            | 30KAA10CP579  | 31UJH01026                              | M                             | H                               |        | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| T CW USERS TRN10                             | 30KAA10CP587  | 31UJH10026                              | M                             | H                               |        | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| P M CL PP10                                  | 30KAA10CP591  | 31UJH01026                              | M                             | H                               |        | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| SAFE C COOL SYST 1                           | 30KAA10CR001  | 31UJH05026                              | M                             | H                               |        | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| T PP1 N-DRV-E1 BRG A                         | 30KAA10CT001A | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| T PP1 N-DRV-E1 BRG B                         | 30KAA10CT001B | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| T PP1 DRV-E BRG A                            | 30KAA10CT002A | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| T PP1 DRV-E BRG B                            | 30KAA10CT002B | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| T PP1 N-DRV-E2 BRG A                         | 30KAA10CT003A | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| T PP1 N-DRV-E2 BRG B                         | 30KAA10CT003B | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| T M1 WNDG1                                   | 30KAA10CT005  | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| T M1 WNDG2                                   | 30KAA10CT006  | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| T M1 WNDG3                                   | 30KAA10CT007  | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| T M1AIR W CL INL A                           | 30KAA10CT011  | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| T M1AIR W CL OUTL A                          | 30KAA10CT012  | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| T M1 PP-E BRG A                              | 30KAA10CT015A | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| T M1 PP-E BRG B                              | 30KAA10CT015B | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |
| T M1 N-PP-E BRG A                            | 30KAA10CT016A | 31UJH01026                              | M                             | H                               |        | SII                                   | NS-AQ                    | EMC                                | Y (2) Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |        |        | EQ Program Designation<br>(Note 5) |       |       |
|----------------------------------|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|--------|--------|------------------------------------|-------|-------|
|                                  |               |   |                               |  |                                       | NS-AQ                    | EMC    |        | Y (2)                              | Y (5) | Y (6) |
| T M1 N-PP-E BRG B                | 30KAA10CT016B | 31UJH01026                              | M                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (2)                              | Y (5) | Y (6) |
| T OUTL HX10 MEAS                 | 30KAA10CT090  | 31UJH10026                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| T INL HX10 MEAS                  | 30KAA10CT092  | 31UJH01026                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| T RETN CCWS PP CL1               | 30KAA10CT288  | 31UJH01026                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| T1 CW USERS TRN10                | 30KAA10CT893  | 31UJH10026                              | M                             | H  | ES PAM                                | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| T2 CW USERS TRN10                | 30KAA10CT894  | 31UJH10026                              | M                             | H  | ES PAM                                | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| T3 CW USERS TRN10                | 30KAA10CT895  | 31UJH10026                              | M                             | H  | ES PAM                                | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| F LHSI HX1 MEAS                  | 30KAA12CF062  | 31UJH05025                              | M                             | H  | ES PAM                                | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| F MHSI PP1                       | 30KAA12CF066  | 31UJH01001                              | M                             | H  | ES PAM                                | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| F TEST MHSI PP1                  | 30KAA12CF264  | 31UJH01002                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| G OPNG *12AA005*                 | 30KAA12CG005A | 31UJH10004                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| G CLS *12AA005*                  | 30KAA12CG005B | 31UJH10004                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| T DNSTR MHSI PP1                 | 30KAA12CT258  | 31UJH01001                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| T DNSTR LHSI HX1                 | 30KAA12CT555  | 31UJH05005                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| MOTOR FDR CUR L2                 | 30KAA20CE102  | 32UJK18020                              | M                             | M  | SII                                   | NS-AQ                    | EMC    |        | Y (2)                              | Y (5) | Y (6) |
| F TRN20 HX OUT MEAS              | 30KAA20CF053  | 32UJH05006                              | M                             | H  | ES PAM                                | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| CTR-V DW TRN20                   | 30KAA20CF057  | 32UJH01020                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| F RETN CCWS PP CL2               | 30KAA20CF240  | 32UJH01020                              | M                             | H  | ES PAM                                | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| F TRN20 HX OUT TEST MEAS         | 30KAA20CF255  | 32UJH05006                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| F RETN SUR TK20 MEAS             | 30KAA20CF570  | 32UJH01020                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| G OPNG *20AA006*                 | 30KAA20CG006A | 32UJH10002                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| G CLS *20AA006*                  | 30KAA20CG006B | 32UJH10002                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| G OPNG *20AA010*                 | 30KAA20CG010A | 32UJH10002                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| G CLS *20AA010*                  | 30KAA20CG010B | 32UJH10002                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| G CLS *20AA013*                  | 30KAA20CG013B | 32UJH10002                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| G CLS *20AA014*                  | 30KAA20CG014B | 32UJH10002                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| G OPNG *20AA027*                 | 30KAA20CG027A | 32UJH01020                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| G CLS *20AA027*                  | 30KAA20CG027B | 32UJH01020                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| G OPNG *20AA032*                 | 30KAA20CG032A | 32UJH10002                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| G CLS *20AA032*                  | 30KAA20CG032B | 32UJH10002                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| G OPNG *20AA033*                 | 30KAA20CG033A | 32UJH10002                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| G CLS *20AA033*                  | 30KAA20CG033B | 32UJH10002                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| G MEAS *20AA112*                 | 30KAA20CG112  | 32UJH10020                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| Tr 2 SUR Tk Lvl 1                | 30KAA20CL094  | 32UJK31036                              | M                             | M  | ES PAM                                | SI                       | S      | 1E EMC |                                    | Y (5) | Y (6) |
| Tr 2 SUR Tk Lvl 2                | 30KAA20CL099  | 32UJK31037                              | M                             | M  | ES PAM                                | SI                       | S      | 1E EMC |                                    | Y (5) | Y (6) |
| L OIL PP2 DRV-E BRG              | 30KAA20CL520  | 32UJH01020                              | M                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (2)                              | Y (5) | Y (6) |
| L OIL PP2 BRG                    | 30KAA20CL521  | 32UJH01020                              | M                             | H  | SII                                   | NS-AQ                    | EMC    |        | Y (2)                              | Y (5) | Y (6) |
| L SUR TK20 MEAS                  | 30KAA20CL598  | 32UJK31037                              | M                             | M  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| DP HX20 MEAS                     | 30KAA20CP051  | 32UJH05020                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| P DNSTR PP20                     | 30KAA20CP083  | 32UJH01020                              | M                             | H  | ES PAM                                | SI                       | S      | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| DP SUCT STRN20                   | 30KAA20CP274  | 32UJH01020                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| P DNSTR HX20                     | 30KAA20CP297  | 32UJH10020                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| P UPSTR PP20                     | 30KAA20CP578  | 32UJH01020                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| P TEST DNSTR PP20                | 30KAA20CP579  | 32UJH01020                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| T CW USERS TRN20                 | 30KAA20CP587  | 32UJH10020                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |
| P M CL PP20                      | 30KAA20CP591  | 32UJH01020                              | M                             | H  | SI                                    | S                        | 1E EMC |        | Y (2)                              | Y (5) | Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 30 of 102)

| Name Tag (Equipment Description) | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |       |
|----------------------------------|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------|-------|
|                                  |               |   |                               |  |                                       |                          | Y (2)                              | Y (5) | Y (6) |
| SAFE C COOL SYST 2               | 30KAA20CR001  | 32UJH05020                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T PP2 N-DRV-E1 BRG A             | 30KAA20CT001A | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T PP2 N-DRV-E1 BRG B             | 30KAA20CT001B | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T PP2 DRV-E BRG A                | 30KAA20CT002A | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T PP2 DRV-E BRG B                | 30KAA20CT002B | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T PP2 N-DRV-E2 BRG A             | 30KAA20CT003A | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T PP2 N-DRV-E2 BRG B             | 30KAA20CT003B | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M2 WNDG1                       | 30KAA20CT005  | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M2 WNDG2                       | 30KAA20CT006  | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M2 WNDG3                       | 30KAA20CT007  | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M2 AIR W CL INL A              | 30KAA20CT011  | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M2 AIR W CL OUTL A             | 30KAA20CT012  | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M2 PP-E BRG A                  | 30KAA20CT015A | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M2 PP-E BRG B                  | 30KAA20CT015B | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M2 N-PP-E BRG A                | 30KAA20CT016A | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M2 N-PP-E BRG B                | 30KAA20CT016B | 32UJH01020                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T OUTL HX20 MEAS                 | 30KAA20CT090  | 32UJH10020                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T INL HX20 MEAS                  | 30KAA20CT092  | 32UJH01020                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T RETN CCWS PP CL2               | 30KAA20CT288  | 32UJH01020                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T1 CW USERS TRN20                | 30KAA20CT893  | 32UJH10020                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T2 CW USERS TRN20                | 30KAA20CT894  | 32UJH10020                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T3 CW USERS TRN20                | 30KAA20CT895  | 32UJH10020                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| F LHSI HX2 MEAS                  | 30KAA22CF062  | 32UJH05020                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| F MHSI PP2                       | 30KAA22CF066  | 32UJH01005                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| F SAFE CHIL2                     | 30KAA22CF068  | 32UJH05020                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| F LHSI PP2                       | 30KAA22CF080  | 32UJH01005                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| F TEST MHSI PP2                  | 30KAA22CF264  | 32UJH01005                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| F LHSI TEST PP2                  | 30KAA22CF282  | 32UJH01005                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| G OPNG *22AA005*                 | 30KAA22CG005A | 32UJH10002                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| G CLS *22AA005*                  | 30KAA22CG005B | 32UJH10002                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| G MEAS *22AA101*                 | 30KAA22CG101  | 32UJH05020                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| P DNSTR SAFE CHIL2               | 30KAA22CP501  | 32UJH05020                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| P DNSTR *22 AA101*               | 30KAA22CP502  | 32UJH05020                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| P UPSTR SAFE CHIL2               | 30KAA22CP503  | 32UJH05020                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T DNSTR MHSI PP2                 | 30KAA22CT258  | 32UJH01005                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T DNSTR LHSI PP2                 | 30KAA22CT284  | 32UJH01005                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T DNSTR SAFE CHIL2               | 30KAA22CT553  | 32UJH05020                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T DNSTR LHSI HX2                 | 30KAA22CT555  | 32UJH05006                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| MOTOR FDR CUR L2                 | 30KAA30CE102  | 33UJK18020                              | M                             | M  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| F TRN30 HX OUT MEAS              | 30KAA30CF053  | 33UJH05006                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| CTR-V DW TRN30                   | 30KAA30CF057  | 33UJH01020                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| F RETN CCWS PP CL3               | 30KAA30CF240  | 33UJH01020                              | M                             | H  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| F TRN30 HX OUT TEST MEAS         | 30KAA30CF255  | 33UJH05006                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| F RETN SUR TK30 MEAS             | 30KAA30CF570  | 33UJH01020                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| G OPNG *30AA006*                 | 30KAA30CG006A | 33UJH10002                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| G CLS *30AA006*                  | 30KAA30CG006B | 33UJH10002                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|----------------------------------|---------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                  |               |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| G OPNG *30AA010*                 | 30KAA30CG010A | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *30AA010*                  | 30KAA30CG010B | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *30AA013*                  | 30KAA30CG013B | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *30AA014*                  | 30KAA30CG014B | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *30AA027*                 | 30KAA30CG027A | 33UJH01020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *30AA027*                  | 30KAA30CG027B | 33UJH01020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *30AA032*                 | 30KAA30CG032A | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *30AA032*                  | 30KAA30CG032B | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *30AA033*                 | 30KAA30CG033A | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *30AA033*                  | 30KAA30CG033B | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G MEAS *30AA112*                 | 30KAA30CG112  | 33UJH10020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Tr 3 SUR Tk Lvl 1                | 30KAA30CL094  | 33UJK31036                              | M                             | M                               |  | ES PAM SI S                           | 1E EMC                   |                                    | Y (5) Y (6) |
| Tr 3 SUR Tk Lvl 2                | 30KAA30CL099  | 33UJK31037                              | M                             | M                               |  | ES PAM SI S                           | 1E EMC                   |                                    | Y (5) Y (6) |
| L OIL PP3 DRV-E BRG              | 30KAA30CL520  | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| L OIL PP3 BRG                    | 30KAA30CL521  | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| L SUR TK30 MEAS                  | 30KAA30CL598  | 33UJK31037                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| DP HX30 MEAS                     | 30KAA30CP051  | 33UJH05020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| P DNSTR PP30                     | 30KAA30CP083  | 33UJH01020                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP SUCT STRN30                   | 30KAA30CP274  | 33UJH10020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| P DNSTR HX30                     | 30KAA30CP297  | 33UJH10020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| P UPSTR PP30                     | 30KAA30CP578  | 33UJH01020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| P TEST DNSTR PP30                | 30KAA30CP579  | 33UJH01020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| T CW USERS TRN30                 | 30KAA30CP587  | 33UJH10020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| P M CL PP30                      | 30KAA30CP591  | 33UJH01020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAFE C COOL SYST 3               | 30KAA30CR001  | 33UJH05020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| T PP3 N-DRV-E1 BRG A             | 30KAA30CT001A | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T PP3 N-DRV-E1 BRG B             | 30KAA30CT001B | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T PP3 DRV-E BRG A                | 30KAA30CT002A | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T PP3 DRV-E BRG B                | 30KAA30CT002B | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T PP3 N-DRV-E2 BRG A             | 30KAA30CT003A | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T PP3 N-DRV-E2 BRG B             | 30KAA30CT003B | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T M3 WNDG1                       | 30KAA30CT005  | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T M3 WNDG2                       | 30KAA30CT006  | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T M3 WNDG3                       | 30KAA30CT007  | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T M3 AIR W CL INL A              | 30KAA30CT011  | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T M3 AIR W CL OUTL A             | 30KAA30CT012  | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T M3 PP-E BRG A                  | 30KAA30CT015A | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T M3 PP-E BRG B                  | 30KAA30CT015B | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T M3 N-PP-E BRG A                | 30KAA30CT016A | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T M3 N-PP-E BRG B                | 30KAA30CT016B | 33UJH01020                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| T OUTL HX30 MEAS                 | 30KAA30CT090  | 33UJH10020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| T INL HX30 MEAS                  | 30KAA30CT092  | 33UJH01020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| T RETN CCWS PP CL3               | 30KAA30CT288  | 33UJH01020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| T1 CW USERS TRN30                | 30KAA30CT893  | 33UJH10020                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| T2 CW USERS TRN30                | 30KAA30CT894  | 33UJH10020                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| T3 CW USERS TRN30                | 30KAA30CT895  | 33UJH10020                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 32 of 102)

| Name Tag (Equipment Description) | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|----------------------------------|---------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                  |               |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| F LHSI HX3 MEAS                  | 30KAA32CF062  | 33UJH05020                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| F MHSI PP3                       | 30KAA32CF066  | 33UJH01005                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| F SAFE CHIL3                     | 30KAA32CF068  | 33UJH05020                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| F LHSI PP3                       | 30KAA32CF080  | 33UJH01005                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| F TEST MHSI PP3                  | 30KAA32CF264  | 33UJH01005                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| F LHSI TEST PP3                  | 30KAA32CF282  | 33UJH01005                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *32AA005*                 | 30KAA32CG005A | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *32AA005*                  | 30KAA32CG005B | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G MEAS *32AA101*                 | 30KAA32CG101  | 33UJH05038                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| P DNSTR SAFE CHIL3               | 30KAA32CP501  | 33UJH05020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| P DNSTR *32 AA101*               | 30KAA32CP502  | 33UJH05020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| P UPSTR SAFE CHIL3               | 30KAA32CP503  | 33UJH05020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| T DNSTR MHSI PP3                 | 30KAA32CT258  | 33UJH01005                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| T DNSTR LHSI PP3                 | 30KAA32CT284  | 33UJH01005                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| T DNSTR SAFE CHIL3               | 30KAA32CT553  | 33UJH05020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| T DNSTR LHSI HX3                 | 30KAA32CT555  | 33UJH05006                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| MOTOR FDR CUR L2                 | 30KAA40CE102  | 34UJK18026                              | M                             | M                               |  | SII                                   | NS-AQ EMC                |                                    | Y (5) Y (6) |
| F TRN40 HX OUT MEAS              | 30KAA40CF053  | 34UJH10026                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| CTR-V DW TRN40                   | 30KAA40CF057  | 34UJH01024                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| F RETN CCWS PP CL4               | 30KAA40CF240  | 34UJH01026                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| F TRN40 HX OUT TEST MEAS         | 30KAA40CF255  | 34UJH10026                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| F RETN SUR TK40 MEAS             | 30KAA40CF570  | 34UJH01026                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *40AA006*                 | 30KAA40CG006A | 34UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *40AA006*                  | 30KAA40CG006B | 34UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *40AA010*                 | 30KAA40CG010A | 34UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *40AA010*                  | 30KAA40CG010B | 34UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *40AA027*                 | 30KAA40CG027A | 34UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *40AA027*                  | 30KAA40CG027B | 34UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *40AA032*                 | 30KAA40CG032A | 34UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *40AA032*                  | 30KAA40CG032B | 34UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *40AA033*                 | 30KAA40CG033A | 34UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *40AA033*                  | 30KAA40CG033B | 34UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G MEAS *40AA112*                 | 30KAA40CG112  | 34UJH10026                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Tr 4 SUR Tk Lvl 1                | 30KAA40CL094  | 34UJK31027                              | M                             | M                               |  | ES PAM SI S                           | 1E EMC                   |                                    | Y (5) Y (6) |
| Tr 4 SUR Tk Lvl 2                | 30KAA40CL099  | 34UJK31027                              | M                             | M                               |  | ES PAM SI S                           | 1E EMC                   |                                    | Y (5) Y (6) |
| L OIL PP4 DRV-E BRG              | 30KAA40CL520  | 34UJH01026                              | M                             | H                               |  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| L OIL PP4 BRG                    | 30KAA40CL521  | 34UJH01026                              | M                             | H                               |  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| L SUR TK40 MEAS                  | 30KAA40CL598  | 34UJK31027                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| DP HX40 MEAS                     | 30KAA40CP051  | 34UJH05026                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| P DNSTR PP40                     | 30KAA40CP083  | 34UJH01026                              | M                             | H                               |  | ES PAM SI S                           | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP SUCT STRN40                   | 30KAA40CP274  | 34UJH01026                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| P DNSTR HX40                     | 30KAA40CP297  | 34UJH10026                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| P UPSTR PP40                     | 30KAA40CP578  | 34UJH01026                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| P TEST DNSTR PP40                | 30KAA40CP579  | 34UJH01026                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| T CW USERS TRN40                 | 30KAA40CP587  | 34UJH10026                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| P M CL PP40                      | 30KAA40CP591  | 34UJH01026                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |



Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 33 of 102)

| Name Tag (Equipment Description) | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |       |
|----------------------------------|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------|-------|
|                                  |               |   |                               |  |                                       |                          | Y (2)                              | Y (5) | Y (6) |
| SAFE C COOL SYST 4               | 30KAA40CR001  | 34UJH05026                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T PP4 N-DRV-E1 BRG A             | 30KAA40CT001A | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T PP4 N-DRV-E1 BRG B             | 30KAA40CT001B | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T PP4 DRV-E BRG A                | 30KAA40CT002A | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T PP4 DRV-E BRG B                | 30KAA40CT002B | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T PP4 N-DRV-E2 BRG A             | 30KAA40CT003A | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T PP4 N-DRV-E2 BRG B             | 30KAA40CT003B | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M4 WNDG1                       | 30KAA40CT005  | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M4 WNDG2                       | 30KAA40CT006  | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M4 WNDG3                       | 30KAA40CT007  | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M4 AIR W CL INL A              | 30KAA40CT011  | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M4 AIR W CL OUTL A             | 30KAA40CT012  | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M4 PP-E BRG A                  | 30KAA40CT015A | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M4 PP-E BRG B                  | 30KAA40CT015B | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M4 PP-E BRG A                  | 30KAA40CT016A | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T M4 N-PP-E BRG B                | 30KAA40CT016B | 34UJH01026                              | M                             | H  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) | Y (6) |
| T OUTL HX40 MEAS                 | 30KAA40CT090  | 34UJH10026                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T INL HX40 MEAS                  | 30KAA40CT092  | 34UJH01026                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T RETN CCWS PP CL4               | 30KAA40CT288  | 34UJH01026                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T1 CW USERS TRN40                | 30KAA40CT893  | 34UJH10026                              | M                             | H  | ES PAM SI                             | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| T2 CW USERS TRN40                | 30KAA40CT894  | 34UJH10026                              | M                             | H  | ES PAM SI                             | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| T3 CW USERS TRN40                | 30KAA40CT895  | 34UJH10026                              | M                             | H  | ES PAM SI                             | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| F LHSI HX4 MEAS                  | 30KAA42CF062  | 34UJH05025                              | M                             | H  | ES PAM SI                             | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| F MHSI PP4                       | 30KAA42CF066  | 34UJH01001                              | M                             | H  | ES PAM SI                             | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| F TEST MHSI PP3                  | 30KAA42CF264  | 34UJH01001                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| G OPNG *42AA005*                 | 30KAA42CG005A | 34UJH10004                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| G CLS *42AA005*                  | 30KAA42CG005B | 34UJH10004                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| T DNSTR MHSI PP4                 | 30KAA42CT258  | 34UJH01001                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| T DNSTR LHSI HX4                 | 30KAA42CT555  | 34UJH05005                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |
| L OIL MIN PP                     | 30KAA80CL501  | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| T BRG KAA80 AP001                | 30KAA80CT001A | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| T BRG KAA80 AP001                | 30KAA80CT001B | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| T THR BRG1 MAIN PP50             | 30KAA80CT002A | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| T THR BRG1 MAIN PP50             | 30KAA80CT002B | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| T THR BRG2 MAIN PP50             | 30KAA80CT003A | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| T THR BRG2 MAIN PP50             | 30KAA80CT003B | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| T BRG 1 MAIN PP80 MTR            | 30KAA80CT051  | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| T BRG 2 MAIN PP80 M              | 30KAA80CT052  | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| T WNDG 1 MAIN PP80 M             | 30KAA80CT061  | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| T WNDG 2 MAIN PP80 M             | 30KAA80CT062  | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| T WNDG 3 MAIN PP80 M             | 30KAA80CT063  | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| T A INL MAIN PP80 M              | 30KAA80CT071  | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| T A OUTL MAIN PP80 M             | 30KAA80CT072  | 34UJH01026                              | M                             | H  | SII NS-AQ                             |                          | Y (2)                              | Y (5) |       |
| FAJ-V FAK10 AC001 - ACT          | 30KAB10AA134  | 30UFA06023                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| F FPCC HX1 MEAS                  | 30KAB10CF070  | 30UFA10002                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| F CVCS PP1                       | 30KAB10CF093  | 30UFA06035                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) | Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |             |
|----------------------------------|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------|-------------|
|                                  |              |   |                               |  |                                       |                          |                                    |       |             |
| F TEST CVCS PP1                  | 30KAB10CF289 | 30UFA06035                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| F NSS SG1 SG2                    | 30KAB10CF564 | 30UFA06086                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| F NSS HL1 PZR                    | 30KAB10CF566 | 30UFA06086                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| F DNSTR KLL61AC002-3             | 30KAB10CF567 | 30UFA05026                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| G MEAS *KAB10AA134*              | 30KAB10CG134 | 30UFA06023                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST DNR QUC11 AC001           | 30KAB10CP250 | 30UFA06083                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST DNR QUC12 AC001           | 30KAB10CP252 | 30UFA06083                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST DNR KUA30 AC001           | 30KAB10CP254 | 30UFA06082                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST DNR KUA20 AC001           | 30KAB10CP256 | 30UFA06082                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST DNR KBA31 AC103           | 30KAB10CP260 | 30UFA06035                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST DNR KBA31 AC101           | 30KAB10CP262 | 30UFA06035                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST UPR SAMPL CLRS            | 30KAB10CP282 | 30UFA06083                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST UPSTR KBA CLR             | 30KAB10CP284 | 30UFA06023                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST KBA31 AC102               | 30KAB10CP292 | 30UFA06035                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| T TEST UPSTR FPCS HL1            | 30KAB10CT267 | 30UFA06023                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| T TEST DNSTR FPCS HL1            | 30KAB10CT268 | 30UFA06023                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| T TEST NSS SG1 SG2               | 30KAB10CT272 | 30UFA06083                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| T TEST NSS HL1 PZR               | 30KAB10CT273 | 30UFA06082                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| T DNSTR FPCS HL1                 | 30KAB10CT565 | 30UFA06023                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| T CVCS PP1                       | 30KAB10CT578 | 30UFA06035                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| FAJ-V FAK20 AC001 - ACT          | 30KAB20AA134 | 30UFA06074                              | M                             | H  | ES                                    | SI                       | 1E EMC                             | Y (2) | Y (5) Y (6) |
| F FPCS HX2 MEAS                  | 30KAB20CF070 | 30UFA10052                              | M                             | H  | ES                                    | SI                       | 1E EMC                             | Y (2) | Y (5) Y (6) |
| F CVCS PP2                       | 30KAB20CF093 | 30UFA06085                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| F TEST CVCS PP2                  | 30KAB20CF289 | 30UFA06085                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| F NSS SG3 SG4                    | 30KAB20CF564 | 30UFA06086                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| F DNSTR NSS HL3                  | 30KAB20CF566 | 30UFA06086                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| F DNSTR KLL64AC002-3             | 30KAB20CF567 | 30UFA06074                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| G MEAS *KAB20AA134*              | 30KAB20CG134 | 30UFA06074                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST DNR QUC13 AC001           | 30KAB20CP252 | 30UFA06083                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST DNR QUC14 AC001           | 30KAB20CP254 | 30UFA06083                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST DNR KUA10 AC001           | 30KAB20CP256 | 30UFA06082                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST DNR CVCS PP OIL 2         | 30KAB20CP260 | 30UFA06085                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST DNR CVCS PP M 2           | 30KAB20CP262 | 30UFA06085                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST UPR SAMPL CLRS            | 30KAB20CP279 | 30UFA06084                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST UPSTR KBA CLR             | 30KAB20CP280 | 30UFA06084                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| P TEST DNR CVCS PP SL 2          | 30KAB20CP292 | 30UFA06085                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| T UPSTR FPCS HX2                 | 30KAB20CT267 | 30UFA05076                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| T DNSTR FPCS HX2                 | 30KAB20CT268 | 30UFA06075                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| T TEST NSS SG3 SG4               | 30KAB20CT272 | 30UFA06083                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| T TEST NSS CL3                   | 30KAB20CT273 | 30UFA06082                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| T DNSTR FPCS HX2                 | 30KAB20CT565 | 30UFA06075                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| T CVCS PP2                       | 30KAB20CT578 | 30UFA06084                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| CIV UPSTR THBARR 1&2 - ACT       | 30KAB30AA049 | 31UJH10004                              | M                             | H  | ES                                    | SI                       | 1E EMC                             | Y (2) | Y (5) Y (6) |
| CIV DNSTR THBARR 1&2 - ACT       | 30KAB30AA051 | 30UJA11013                              | H                             | H  | ES                                    | SI                       | 1E EMC                             | Y (1) | Y (5)       |
| CIV DNSTR THBARR 1&2 - ACT       | 30KAB30AA052 | 31UJH10004                              | M                             | H  | ES                                    | SI                       | 1E EMC                             | Y (2) | Y (5) Y (6) |
| CIV UPSTR THBARR 3&4 - ACT       | 30KAB30AA053 | 34UJH10004                              | M                             | H  | ES                                    | SI                       | 1E EMC                             | Y (2) | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 35 of 102)

| Name Tag (Equipment Description) | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|----------------------------------|---------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                  |               |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| CIV DNSTR THBARR 3&4 - ACT       | 30KAB30AA055  | 30UJA11015                              | H                             | H                               |  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| CIV DNSTR THBARR 3&4 - ACT       | 30KAB30AA056  | 34UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| F UPR BRG MCP1                   | 30KAB30CF062  | 30UJA23002                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F M MCP1                         | 30KAB30CF064  | 30UJA18002                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F DNR BRG MCP1                   | 30KAB30CF066  | 30UJA18002                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F THML BARR1                     | 30KAB30CF068  | 30UJA11013                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F UPR BRG MCP2                   | 30KAB30CF072  | 30UJA23005                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F M MCP2                         | 30KAB30CF074  | 30UJA18005                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F DNR BRG MCP2                   | 30KAB30CF076  | 30UJA18005                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F THML BARR2                     | 30KAB30CF078  | 30UJA11014                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F UPR BRG MCP3                   | 30KAB30CF082  | 30UJA23006                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F M MCP3                         | 30KAB30CF084  | 30UJA18006                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F DNR BRG MCP3                   | 30KAB30CF086  | 30UJA18006                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F THML BARR3                     | 30KAB30CF088  | 30UJA11015                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F UPR BRG MCP4                   | 30KAB30CF092  | 30UJA23009                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F M MCP4                         | 30KAB30CF094  | 30UJA18009                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F DNR BRG MCP4                   | 30KAB30CF096  | 30UJA18009                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F THML BARR4                     | 30KAB30CF098  | 30UJA11016                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F TEST UPR BRG MCP1              | 30KAB30CF261  | 30UJA23002                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F TEST M MCP1                    | 30KAB30CF263  | 30UJA18002                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F TEST DNR BRG MCP1              | 30KAB30CF265  | 30UJA18002                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F TEST UPR BRG MCP2              | 30KAB30CF271  | 30UJA23005                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F TEST M MCP2                    | 30KAB30CF273  | 30UJA18005                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F TEST DNR BRG MCP2              | 30KAB30CF275  | 30UJA18005                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F TEST UPR BRG MCP3              | 30KAB30CF281  | 30UJA23006                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F TEST M MCP3                    | 30KAB30CF283  | 30UJA18006                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F TEST DNR BRG MCP3              | 30KAB30CF285  | 30UJA18006                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| G OPNG *KAB30AA191*              | 30KAB30CG191A | 30UJA11013                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| G OPNG *KAB30AA192*              | 30KAB30CG192A | 30UJA15015                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T DNSTR MCP1                     | 30KAB30CT060  | 30UJA18013                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T THML BARR 1                    | 30KAB30CT061  | 30UJA11013                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T DNSTR MCP2                     | 30KAB30CT070  | 30UJA18014                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T THML BARR 2                    | 30KAB30CT071  | 30UJA11014                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T DNSTR MCP3                     | 30KAB30CT080  | 30UJA18015                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T THML BARR 3                    | 30KAB30CT081  | 30UJA11015                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T DNSTR MCP4                     | 30KAB30CT090  | 30UJA18016                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T THML BARR 4                    | 30KAB30CT091  | 30UJA15009                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| CIV *KLA/KT* USERS - ACT         | 30KAB40AA001  | 31UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| CIV *KLA/KT* USERS - ACT         | 30KAB40AA006  | 31UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| CIV *KLA/KT* USERS - ACT         | 30KAB40AA012  | 30UJA11014                              | H                             | H                               |  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| F DNSTR RB NC COM1B              | 30KAB40CF055  | 31UJH10004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| F UPSTR RB NC COM1B              | 30KAB40CF058  | 31UJH10004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| F DNSTR KTA HX                   | 30KAB40CF252  | 30UJA07016                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| G OPNG *KAB40AA001*              | 30KAB40CG001A | 31UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *KAB40AA001*               | 30KAB40CG001B | 31UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *KAB40AA006*              | 30KAB40CG006A | 31UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 36 of 102)

| Name Tag (Equipment Description) | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|----------------------------------|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                  |               |   |                               |  |                                       |                          | Y (1)                              | Y (2)       |
| G CLS *KAB40AA006*               | 30KAB40CG006B | 31UJH10004                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *KAB40AA012*              | 30KAB40CG012A | 30UJA11014                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| G CLS *KAB40AA012*               | 30KAB40CG012B | 30UJA11014                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| P TEST UPSTR KAB40 USERS         | 30KAB40CP271  | 30UJA11013                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| P TEST DNSTR KAB40 USERS         | 30KAB40CP272  | 30UJA11013                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T RB NC COM1B                    | 30KAB40CT068  | 31UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| T DNSTR HVAC 12                  | 30KAB40CT070  | 30UJA23013                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T DNSTR HVAC 34                  | 30KAB40CT073  | 30UJA23016                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T DNSTR KLA CL1                  | 30KAB40CT264  | 30UJA23013                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T DNSTR KLA CL2                  | 30KAB40CT265  | 30UJA23013                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T DNSTR KLA CL3                  | 30KAB40CT266  | 30UJA23016                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T DNSTR KLA CL4                  | 30KAB40CT267  | 30UJA23016                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| V 1 UPSTR *UKA/UKS* - ACT        | 30KAB50AA001  | 34UJH10004                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| V DNSTR *UKA/UKS* - ACT          | 30KAB50AA004  | 34UJH10004                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| V 2 UPSTR *UKA/UKS* - ACT        | 30KAB50AA006  | 34UJH10004                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| F UPSTR NC COM2B                 | 30KAB50CF050  | 34UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| F DNSTR NC COM2B                 | 30KAB50CF054  | 34UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *KAB50AA001*              | 30KAB50CG001A | 34UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *KAB50AA001*               | 30KAB50CG001B | 34UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *KAB50AA004*              | 30KAB50CG004A | 34UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *KAB50AA004*               | 30KAB50CG004B | 34UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *KAB50AA006*              | 30KAB50CG006A | 34UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *KAB50AA006*               | 30KAB50CG006B | 34UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| CIV *KBA*, RCP 1 & 2 - ACT       | 30KAB60AA013  | 31UJH10004                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| CIV *KBA*, RCP 1 & 2 - ACT       | 30KAB60AA018  | 30UJA11013                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| CIV *KBA*, RCP 1 & 2 - ACT       | 30KAB60AA019  | 31UJH10004                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| C-V KBA11 AC001 - ACT            | 30KAB60AA116  | 30UJA11013                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F DNSTR CVCS HP CL1              | 30KAB60CF050  | 30UJA07016                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F CLASS COM1B                    | 30KAB60CF081  | 31UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *KAB60AA013*              | 30KAB60CG013A | 31UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *KAB60AA013*               | 30KAB60CG013B | 31UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G OPNG *KAB60AA018*              | 30KAB60CG018A | 30UJA11013                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| G CLS *KAB60AA018*               | 30KAB60CG018B | 30UJA11013                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| G OPNG *KAB60AA019*              | 30KAB60CG019A | 31UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G CLS *KAB60AA019*               | 30KAB60CG019B | 31UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| G MEAS *KAB60AA116*              | 30KAB60CG116  | 30UJA11013                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| G OPNG *60AA191*                 | 30KAB60CG191A | 30UJA11013                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| G ACTY CCWS INLET                | 30KAB60CR001  | 30UJA11013                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| G ACTY CCWS OUTLET               | 30KAB60CR002  | 30UJA11013                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| T DNSTR CVCS HP CL1              | 30KAB60CT082  | 30UJA07016                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| CIV *KBA*, RCP 3 & 4 - ACT       | 30KAB70AA013  | 34UJH10004                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| CIV *KBA*, RCP 3 & 4 - ACT       | 30KAB70AA018  | 30UJA11016                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| CIV *KBA*, RCP 3 & 4 - ACT       | 30KAB70AA019  | 34UJH10004                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| C-V KBA12 AC001 - ACT            | 30KAB70AA116  | 30UJA11016                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F DNSTR CVCS HP CL2              | 30KAB70CF050  | 30UJA11016                              | H                             | H  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| F CLASS COM2B                    | 30KAB70CF081  | 34UJH10004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)             | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated        |     |    | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |       |             |
|--|---------------|---|-------------------------------|--|----------------------|-----|----|--------------------------|------------------------------------|-------|-------|-------------|
|  |               |   |                               |  | Function<br>(Note 3) |     |    |                          |                                    |       |       |             |
| G OPNG *KAB70AA013*                          | 30KAB70CG013A | 34UJH10004                              | M                             | H  | ES                   | SI  | S  | 1E EMC                   |                                    | Y (2) | Y (5) | Y (6)       |
| G CLS *KAB70AA013*                           | 30KAB70CG013B | 34UJH10004                              | M                             | H  | ES                   | SI  | S  | 1E EMC                   |                                    | Y (2) | Y (5) | Y (6)       |
| G OPNG *KAB70AA018*                          | 30KAB70CG018A | 30UJA11016                              | H                             | H  | ES                   | SI  | S  | 1E EMC                   | Y (1)                              |       | Y (5) |             |
| G CLS *KAB70AA018*                           | 30KAB70CG018B | 30UJA11016                              | H                             | H  | ES                   | SI  | S  | 1E EMC                   | Y (1)                              |       | Y (5) |             |
| G OPNG *KAB70AA019*                          | 30KAB70CG019A | 34UJH10004                              | M                             | H  | ES                   | SI  | S  | 1E EMC                   |                                    | Y (2) | Y (5) | Y (6)       |
| G CLS *KAB70AA019*                           | 30KAB70CG019B | 34UJH10004                              | M                             | H  | ES                   | SI  | S  | 1E EMC                   |                                    | Y (2) | Y (5) | Y (6)       |
| G MEAS *KAB70AA116*                          | 30KAB70CG116  | 30UJA11016                              | H                             | H  |                      | SI  | S  | 1E EMC                   | Y (1)                              |       | Y (5) |             |
| G OPNG *70AA191*                             | 30KAB70CG191A | 30UJA11016                              | H                             | H  |                      | SI  | S  | 1E EMC                   | Y (1)                              |       | Y (5) |             |
| G ACTY CCWS INLET                            | 30KAB70CR001  | 30UJA11016                              | H                             | H  |                      | SI  | S  | 1E EMC                   | Y (1)                              |       | Y (5) |             |
| G ACTY CCWS OUTLET                           | 30KAB70CR002  | 30UJA11016                              | H                             | H  |                      | SI  | S  | 1E EMC                   | Y (1)                              |       | Y (5) |             |
| T DNSTR CVCS HP CL2                          | 30KAB70CT082  | 30UJA11016                              | H                             | H  |                      | SI  | S  | 1E EMC                   | Y (1)                              |       | Y (5) |             |
| V 1 UPSTR *QN* USERS - ACT                   | 30KAB80AA015  | 31UJH10004                              | M                             | H  | ES                   | SI  | S  | 1E EMC                   |                                    | Y (2) | Y (5) | Y (6)       |
| V 2 UPSTR *QN* USERS - ACT                   | 30KAB80AA016  | 31UJH10004                              | M                             | H  | ES                   | SI  | S  | 1E EMC                   |                                    | Y (2) | Y (5) | Y (6)       |
| F UPSTR QNA21 AC002                          | 30KAB80CF060  | 31UJH10004                              | M                             | H  |                      | SI  | S  | 1E EMC                   |                                    | Y (2) | Y (5) | Y (6)       |
| F DNSTR KAB80 CHIL                           | 30KAB80CF061  | 31UJH10004                              | M                             | H  |                      | SI  | S  | 1E EMC                   |                                    | Y (2) | Y (5) | Y (6)       |
| G OPNG *KAB80AA015*                          | 30KAB80CG015A | 31UJH10004                              | M                             | H  |                      | SI  | S  | 1E EMC                   |                                    | Y (2) | Y (5) | Y (6)       |
| G CLS *KAB80AA015*                           | 30KAB80CG015B | 31UJH10004                              | M                             | H  |                      | SI  | S  | 1E EMC                   |                                    | Y (2) | Y (5) | Y (6)       |
| G OPNG *KAB80AA016*                          | 30KAB80CG016A | 31UJH10004                              | M                             | H  |                      | SI  | S  | 1E EMC                   |                                    | Y (2) | Y (5) | Y (6)       |
| G CLS *KAB80AA016*                           | 30KAB80CG016B | 31UJH10004                              | M                             | H  |                      | SI  | S  | 1E EMC                   |                                    | Y (2) | Y (5) | Y (6)       |
| <b>Essential Service Water System (ESWS)</b> |               |   |                               |  |                      |     |    |                          |                                    |       |       |             |
| CCW HX Outlet Flow Measurement               | 30PEB30CF002  | 33UJH05020                              | M                             | H  | ES                   | PAM | SI | S                        | 1E                                 |       | Y (2) | Y (5)       |
| CCW HX Outlet Flow Measurement               | 30PEB40CF002  | 34UJH05026                              | M                             | H  | ES                   | PAM | SI | S                        | 1E                                 |       | Y (2) | Y (5)       |
| CCW HX Outlet Flow Measurement               | 30PEB10CF002  | 31UJH05026                              | M                             | H  | ES                   | PAM | SI | S                        | 1E                                 |       | Y (2) | Y (5)       |
| CCW HX Outlet Flow Measurement               | 30PEB20CF002  | 32UJH05020                              | M                             | H  | ES                   | PAM | SI | S                        | 1E                                 |       | Y (2) | Y (5)       |
| 30PEB10 AA002 Valve Motor Actuator           | 30PEB10AA002  | 31UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| 30PEB10 AA003 Valve Motor Actuator           | 30PEB10AA003  | 31UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| 30PEB10 AA005 Valve Motor Actuator           | 30PEB10AA005  | 31UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| 30PEB10 AA015 Valve Motor Actuator           | 30PEB10AA015  | 31UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| 30PEB10 AA016 Valve Motor Actuator           | 30PEB10AA016  | 31UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| ESW Pump Motor Heater, Train 1               | 30PEB10AH500  | 31UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| ESW Pump Motor, Train 1                      | 30PEB10AP001  | 31UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| 30PEB10 AT002 Filter Motor Actuator          | 30PEB10AT002  | 31UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| ESW Pump Discharge Flow Indicator            | 30PEB10CF001  | 31UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| UHS Tower Basin Level Indicator              | 30PEB10CL001  | 31URB01003                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| ESW Pump Discharge Pressure Indicator        | 30PEB10CP002  | 31UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| ESW Pump Filter Diff Pressure Indicator      | 30PEB10CP003  | 31UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| ESW Pump Discharge Thermocouple              | 30PEB10CT001  | 31UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| SW Pump Bldg Cooler Pressure Indicator       | 30PEB11CP501  | 31UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| 30PEB20 AA002 Valve Motor Actuator           | 30PEB20AA002  | 32UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| 30PEB20 AA003 Valve Motor Actuator           | 30PEB20AA003  | 32UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| 30PEB20 AA005 Valve Motor Actuator           | 30PEB20AA005  | 32UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| 30PEB20 AA015 Valve Motor Actuator           | 30PEB20AA015  | 32UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |
| 30PEB20 AA016 Valve Motor Actuator           | 30PEB20AA016  | 32UQB02001                              | M                             | M  | ES                   |     | SI | S                        | 1E EMC                             |       |       | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)        | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|---|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|   |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |
| ESW Pump Motor Heater, Train 2          | 30PEB20AH500 | 32UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Motor, Train 2                 | 30PEB20AP001 | 32UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEB20 AT002 Filter Motor Actuator     | 30PEB20AT002 | 32UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Discharge Flow Indicator       | 30PEB20CF001 | 32UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| UHS Tower Basin Level Indicator         | 30PEB20CL001 | 32URB01003                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Discharge Pressure Indicator   | 30PEB20CP002 | 32UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Filter Diff Pressure Indicator | 30PEB20CP003 | 32UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Discharge Thermocouple         | 30PEB20CT001 | 32UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SW Pump Bldg Cooler Pressure Indicator  | 30PEB21CP501 | 32UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEB30 AA002 Valve Motor Actuator      | 30PEB30AA002 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEB30 AA003 Valve Motor Actuator      | 30PEB30AA003 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEB30 AA005 Valve Motor Actuator      | 30PEB30AA005 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEB30 AA015 Valve Motor Actuator      | 30PEB30AA015 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEB30 AA016 Valve Motor Actuator      | 30PEB30AA016 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Motor Heater, Train 3          | 30PEB30AH500 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Motor, Train 3                 | 30PEB30AP001 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEB30 AT002 Filter Motor Actuator     | 30PEB30AT002 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Discharge Flow Indicator       | 30PEB30CF001 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| UHS Tower Basin Level Indicator         | 30PEB30CL001 | 33URB01003                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Discharge Pressure Indicator   | 30PEB30CP002 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Filter Diff Pressure Indicator | 30PEB30CP003 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Discharge Thermocouple         | 30PEB30CT001 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SW Pump Bldg Cooler Pressure Indicator  | 30PEB31CP501 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEB40 AA002 Valve Motor Actuator      | 30PEB40AA002 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEB40 AA003 Valve Motor Actuator      | 30PEB40AA003 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEB40 AA005 Valve Motor Actuator      | 30PEB40AA005 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEB40 AA015 Valve Motor Actuator      | 30PEB40AA015 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEB40 AA016 Valve Motor Actuator      | 30PEB40AA016 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Motor Heater, Train 4          | 30PEB40AH500 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Motor, Train 4                 | 30PEB40AP001 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEB40 AT002 Filter Motor Actuator     | 30PEB40AT002 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Discharge Flow Indicator       | 30PEB40CF001 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| UHS Tower Basin Level Indicator         | 30PEB40CL001 | 34URB01003                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Discharge Pressure Indicator   | 30PEB40CP002 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Filter Diff Pressure Indicator | 30PEB40CP003 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Discharge Thermocouple         | 30PEB40CT001 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SW Pump Bldg Cooler Pressure Indicator  | 30PEB41CP501 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| ESW Pump Motor, Dedicated Train         | 30PEB80AP001 | 34UQB02001                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| 30PED10 AA010 Valve Motor Actuator      | 30PED10AA010 | 31UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED10 AA011 Valve Motor Actuator      | 30PED10AA011 | 31UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED10 AA019 Valve Motor Actuator      | 30PED10AA019 | 31UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED10 AA021 Valve Motor Actuator      | 30PED10AA021 | 31UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED10 AN001 Fan Motor                 | 30PED10AN001 | 31URB03001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED10 AN002 Fan Motor                 | 30PED10AN002 | 31URB03002                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED20 AA010 Valve Motor Actuator      | 30PED20AA010 | 32UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED20 AA011 Valve Motor Actuator      | 30PED20AA011 | 32UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)          | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|---|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|   |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |
| 30PED20 AA019 Valve Motor Actuator        | 30PED20AA019 | 32UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED20 AA021 Valve Motor Actuator        | 30PED20AA021 | 32UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED20 AN001 Fan Motor                   | 30PED20AN001 | 32URB03001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED20 AN002 Fan Motor                   | 30PED20AN002 | 32URB03002                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED30 AA010 Valve Motor Actuator        | 30PED30AA010 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED30 AA011 Valve Motor Actuator        | 30PED30AA011 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED30 AA019 Valve Motor Actuator        | 30PED30AA019 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED30 AA021 Valve Motor Actuator        | 30PED30AA021 | 33UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED30 AN001 Fan Motor                   | 30PED30AN001 | 33URB03001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED30 AN002 Fan Motor                   | 30PED30AN002 | 33URB03002                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED40 AA010 Valve Motor Actuator        | 30PED40AA010 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED40 AA011 Valve Motor Actuator        | 30PED40AA011 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PED40 AA019 Valve Motor Actuator        | 30PED40AA019 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 30PEDF40 AA021 Valve Motor Actuator       | 30PED40AA021 | 34UQB02001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 34PED40 AN001 Fan Motor                   | 30PED40AN001 | 34URB03001                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 34PED40 AN002 Fan Motor                   | 30PED40AN002 | 34URB03002                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| <b>Safety Chilled Water System (SCWS)</b> |              |   |                               |                                 |  |                                       |                          |                                    |
| Motor for Valve 30QKA10AA101              | 30QKA10AA101 | 31UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| Motor for Pump #1 30QKA10AP107            | 30QKA10AP107 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| Motor for Pump #2 30QKA10AP108            | 30QKA10AP108 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| Motor for Valve 30QKA20AA101              | 30QKA20AA101 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| Motor for Pump #1 30QKA20AP107            | 30QKA20AP107 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| Motor for Pump #2 30QKA20AP108            | 30QKA20AP108 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| Motor for Valve 30QKA30AA101              | 30QKA30AA101 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| Motor for Pump #1 30QKA30AP107            | 30QKA30AP107 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| Motor for Pump #2 30QKA30AP108            | 30QKA30AP108 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| Motor for Valve 30QKA40AA101              | 30QKA40AA101 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| Motor for Pump #1 30QKA40AP107            | 30QKA40AP107 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| Motor for Pump #2 30QKA40AP108            | 30QKA40AP108 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| Motor for Valve 30QKB10AA101              | 30QKB10AA101 | 32UJK31033                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| Motor for Valve 30QKB20AA101              | 30QKB20AA101 | 32UJK31035                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| Motor for Valve 30QKB30AA101              | 30QKB30AA101 | 33UJK31035                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| Motor for Valve 30QKB40AA101              | 30QKB40AA101 | 33UJK31035                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| Motor for Valve 30QKC10AA025              | 30QKC10AA025 | 31UJH01001                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| Motor for Valve 30QKC10AA101              | 30QKC10AA101 | 31UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| Motor for Valve 30QKC20AA101              | 30QKC20AA101 | 32UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| Motor for Valve 30QKC30AA101              | 30QKC30AA101 | 33UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| Motor for Valve 30QKC40AA025              | 30QKC40AA025 | 34UJH01001                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| Motor for Valve 30QKC40AA101              | 30QKC40AA101 | 34UJK26028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK10AA101 Position Meas, Div 1            | 30QKA10CG101 | 31UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Pump #1 Level Meas, Div 1              | 30QKA10CL501 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Tank Humidity Meas, Div 1              | 30QKA10CM001 | 31UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK System Press Meas #1, Div 1            | 30QKA10CP001 | 31UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 40 of 102)

| Name Tag (Equipment Description)    | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|-------------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|                                     |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |
| QK System Press Meas #2, Div 1      | 30QKA10CP002 | 31UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Chiller DP Press Meas, Div 1     | 30QKA10CP008 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK System Press Meas #3, Div 1      | 30QKA10CP501 | 31UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Tank Nitrogen Press Meas, Div 1  | 30QKA10CP502 | 31UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Pump #1 Suct Press Meas, Div 1   | 30QKA10CP505 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Pump #1 Disch Press Meas, Div 1  | 30QKA10CP506 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKA10AA005 Upstrm Press Meas, Div 1 | 30QKA10CP507 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKA10AA005 Dnstrm Press Meas, Div 1 | 30QKA10CP508 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKA10AA008 Upstrm Press Meas, Div 1 | 30QKA10CP511 | 31UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKA10AA008 Dnstrm Press Meas, Div 1 | 30QKA10CP512 | 31UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKA10AT001 Upstrm Press Meas, Div 1 | 30QKA10CP513 | 31UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Pump Temp Meas #1, Div 1         | 30QKA10CT001 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Pump Temp Meas #2, Div 1         | 30QKA10CT002 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Pump #1 Temp Meas #3, Div 1      | 30QKA10CT003 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Pmp #1 Motor Temp Meas #1, Div 1 | 30QKA10CT051 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Pmp #1 Motor Temp Meas #2, Div 1 | 30QKA10CT052 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Pmp Motor Temp Meas #3, Div 1    | 30QKA10CT061 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Pmp Motor Temp Meas #4, Div 1    | 30QKA10CT062 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QK Pmp Motor Temp Meas #5, Div 1    | 30QKA10CT063 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKA20AA101 Position Meas, Div 2     | 30QKA20CG101 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Pmp #1 Level Meas, Div 2         | 30QKA20CL501 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Tank Humidity Meas, Div 2        | 30QKA20CM001 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Tank Press Meas #1, Div 2        | 30QKA20CP001 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Tank Press Meas #2, Div 2        | 30QKA20CP002 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Chiller DP Press Meas, Div 2     | 30QKA20CP008 | 32UJH10020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Tank Press Meas #3, Div 2        | 30QKA20CP501 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Tank Nitrogen Press Meas, Div 2  | 30QKA20CP502 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Pmp #1 Suct Press Meas, Div 2    | 30QKA20CP505 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Pmp #1 Disch Press Meas, Div 2   | 30QKA20CP506 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKA20AA005 Upstrm Press Meas, Div 2 | 30QKA20CP507 | 32UJH10020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKA20AA005 Dnstrm Press Meas, Div 2 | 30QKA20CP508 | 32UJH10020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKA20AA008 Upstrm Press Meas, Div 2 | 30QKA20CP511 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKA20AA008 Dnstrm Press Meas, Div 2 | 30QKA20CP512 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKA20AT001 Upstrm Press Meas, Div 2 | 30QKA20CP513 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKA20AT001 Dnstrm Press Meas, Div 2 | 30QKA20CP514 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Pmp #1 Temp Meas #1, Div 2       | 30QKA20CT001 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Pmp #1 Temp Meas #2, Div 2       | 30QKA20CT002 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Pmp #1 Temp Meas #3, Div 2       | 30QKA20CT003 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Pmp #1 Motor Temp Meas #1, Div 2 | 30QKA20CT051 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Pmp #1 Motor Temp Meas #2, Div 2 | 30QKA20CT052 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Pmp #1 Motor Temp Meas #3, Div 2 | 30QKA20CT061 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Pmp #1 Motor Temp Meas #4, Div 2 | 30QKA20CT062 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Pmp #1 Motor Temp Meas #5, Div 2 | 30QKA20CT063 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKA30AA101 Position Meas, Div 3     | 30QKA30CG101 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Pump #1 Level Meas, Div 3        | 30QKA30CL501 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QK Tank Humidity Meas, Div 3        | 30QKA30CM001 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |



Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)    | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|-------------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                     |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| QK Tank Press Meas #1, Div 3        | 30QKA30CP001 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Tank Press Meas #2, Div 3        | 30QKA30CP002 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Chiller DP Press Meas, Div 3     | 30QKA30CP008 | 33UJH10020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Tank Press Meas #3, Div 3        | 30QKA30CP501 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Tank Nitrogen Press Meas, Div 3  | 30QKA30CP502 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Pump #1 Suct Press Meas, Div 3   | 30QKA30CP505 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Pump #1 Disch Press Meas, Div 3  | 30QKA30CP506 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKA30AA005 Upstrm Press Meas, Div 3 | 30QKA30CP507 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKA30AA005 Dnstrm Press Meas, Div 3 | 30QKA30CP508 | 33UJH10020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKA30AA008 Upstrm Press Meas, Div 3 | 30QKA30CP511 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKA30AA008 Dnstrm Press Meas, Div 3 | 30QKA30CP512 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKA30AT001 Upstrm Press Meas, Div 3 | 30QKA30CP513 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKA30AT001 Dnstrm Press Meas, Div 3 | 30QKA30CP514 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Pump #1 Temp Meas #1, Div 3      | 30QKA30CT001 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Pump #1 Temp Meas #2, Div 3      | 30QKA30CT002 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Pump #1 Temp Meas #3, Div 3      | 30QKA30CT003 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Pmp #1 Motor Temp Meas #1, Div 3 | 30QKA30CT051 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Pmp #1 Motor Temp Meas #2, Div 3 | 30QKA30CT052 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Pmp #1 Motor Temp Meas #3, Div 3 | 30QKA30CT061 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Pmp #1 Motor Temp Meas #4, Div 3 | 30QKA30CT062 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QK Pmp #1 Motor Temp Meas, Div 3    | 30QKA30CT063 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKA40AA101 Position Meas, Div 4     | 30QKA40CG101 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Pump #1 Level Meas, Div 4        | 30QKA40CL501 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Tank Humidity Meas, Div 4        | 30QKA40CM001 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Tank Pressure Meas #1, Div 4     | 30QKA40CP001 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Tank Press Meas #2, Div 4        | 30QKA40CP002 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Chiller DP Press Meas, Div 4     | 30QKA40CP008 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Tank Press Meas #3, Div 4        | 30QKA40CP501 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Tank Nitrogen Press Meas, Div 4  | 30QKA40CP502 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Pmp #1 Suct Press Meas, Div 4    | 30QKA40CP505 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Pmp #1 Disch Press Meas, Div 4   | 30QKA40CP506 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKA40AA005 Upstrm Press Meas, Div 4 | 30QKA40CP507 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKA40AA005 Dnstrm Press Meas, Div 4 | 30QKA40CP508 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKA40AA008 Upstrm Press Meas, Div 4 | 30QKA40CP511 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKA40AA008 Dnstrm Press Meas, Div 4 | 30QKA40CP512 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKA40AT001 Upstrm Press Meas, Div 4 | 30QKA40CP513 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKA40AT001 Dnstrm Press Meas, Div 4 | 30QKA40CP514 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Pump #1 Temp Meas #1, Div 4      | 30QKA40CT001 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Pump #1 Temp Meas #2, Div 4      | 30QKA40CT002 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Pump #1 Temp Meas #3, Div 4      | 30QKA40CT003 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Pmp #1 Motor Temp Meas #1, Div 4 | 30QKA40CT051 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Pmp #1 Motor Temp Meas #2, Div 4 | 30QKA40CT052 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Pmp #1 Motor Temp Meas #3, Div 4 | 30QKA40CT061 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Pmp #1 Motor Temp Meas #4, Div 4 | 30QKA40CT062 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QK Pmp #1 Motor Temp Meas #5, Div 4 | 30QKA40CT063 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKB10AA101 Pos Meas, Div 1          | 30QKB10CG101 | 32UJK31034                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 42 of 102)

| Name Tag (Equipment Description)    | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|-------------------------------------|--------------|---|-------------------------------|--------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|                                     |              |   |                               | Zone<br>(Note 2)         |  |                                       |                          |                                    |
| SAB01AC001 Upstrm Press Meas, Div 1 | 30QKB10CP501 | 32UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB10AA002 Upstrm Press Meas, Div 1 | 30QKB10CP502 | 32UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB10AA002 Dnstrm Press Meas, Div 1 | 30QKB10CP503 | 32UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB10AT001 Upstrm Press Meas, Div 1 | 30QKB10CP504 | 32UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB10AT001 Dnstrm Press Meas, Div 1 | 30QKB10CP505 | 32UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SAB01AC001 Upstrm Temp Meas, Div 1  | 30QKB10CT501 | 32UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SAB01AC001 Dnstrm Temp Meas, Div 1  | 30QKB10CT502 | 32UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB20AA101 Position Meas, Div 2     | 30QKB20CG101 | 32UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SAB02AC001 Upstrm Press Meas, Div 2 | 30QKB20CP501 | 32UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB20AA002 Upstrm Press Meas, Div 2 | 30QKB20CP502 | 32UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB20AA002 Dnstrm Press Meas, Div 2 | 30QKB20CP503 | 32UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB20AT001 Upstrm Press Meas, Div 2 | 30QKB20CP504 | 32UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB20AT001 Dnstrm Press Meas, Div 2 | 30QKB20CP505 | 32UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SAB02AC001 Upstrm Temp Meas, Div 2  | 30QKB20CT501 | 32UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SAB02AC001 Dnstrm Temp Meas, Div 2  | 30QKB20CT502 | 32UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB30AA101 Position Meas, Div 3     | 30QKB30CG101 | 33UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SAB03AC001 Upstrm Press Meas, Div 3 | 30QKB30CP501 | 33UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB30AA002 Upstrm Press Meas, Div 3 | 30QKB30CP502 | 33UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB30AA002 Dnstrm Press Meas, Div 3 | 30QKB30CP503 | 33UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB30AT001 Upstrm Press Meas, Div 3 | 30QKB30CP504 | 33UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB30AT001 Dnstrm Press Meas, Div 3 | 30QKB30CP505 | 33UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SAB03AC001 Upstrm Temp Meas, Div 3  | 30QKB30CT501 | 33UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SAB03AC001 Dnstrm Temp Meas, Div 3  | 30QKB30CT502 | 33UJK31035                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB40AA101 Position Meas, Div 4     | 30QKB40CG101 | 33UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SAB04AC001 Upstrm Press Meas, Div 4 | 30QKB40CP501 | 33UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB40AA002 Upstrm Press Meas, Div 4 | 30QKB40CP502 | 33UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB40AA002 Dnstrm Press Meas, Div 4 | 30QKB40CP503 | 33UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB40AT001 Upstrm Press Meas, Div 4 | 30QKB40CP504 | 33UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKB40AT001 Dnstrm Press Meas, Div 4 | 30QKB40CP505 | 33UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SAB04AC001 Upstrm Temp Meas, Div 4  | 30QKB40CT501 | 33UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SAB04AC001 Dnstrm Temp Meas, Div 4  | 30QKB40CT502 | 33UJK31034                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKC10AA101 Pos Meas, Div 1          | 30QKC10CG101 | 31UJK26029                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SAC01AC001 Upstrm Press Meas, Div 1 | 30QKC10CP501 | 31UJK22028                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKC10AA002 Upstrm Press Meas, Div 1 | 30QKC10CP502 | 31UJK26029                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKC10AA002 Dnstrm Press Meas, Div 1 | 30QKC10CP503 | 31UJK26029                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| SAC61AC001 Upstrm Press Meas, Div 1 | 30QKC10CP504 | 31UJH01024                              | M                             | H                        |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKC10AA005 Upstrm Press Meas, Div 1 | 30QKC10CP505 | 31UJH01024                              | M                             | H                        |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKC10AA005 Dnstrm Press Meas, Div 1 | 30QKC10CP506 | 31UJH01024                              | M                             | H                        |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| SAC61AC002 Upstrm Press Meas, Div 1 | 30QKC10CP508 | 31UJH01026                              | M                             | H                        |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKC10AA009 Upstrm Press Meas, Div 1 | 30QKC10CP509 | 31UJH01026                              | M                             | H                        |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKC10AA009 Dnstrm Press Meas, Div 1 | 30QKC10CP510 | 31UJH01026                              | M                             | H                        |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| KLC51AC001 Upstrm Press Meas, Div 1 | 30QKC10CP511 | 31UJH10001                              | M                             | H                        |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKC10AA012 Upstrm Press Meas, Div 1 | 30QKC10CP512 | 31UJH10002                              | M                             | H                        |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKC10AA012 Dnstrm Press Meas, Div 1 | 30QKC10CP513 | 31UJH10002                              | M                             | H                        |  | ES SI S                               | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| QKA10AT001 Dnstrm Press Meas, Div 1 | 30QKC10CP514 | 31UJK26029                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| QKC10AT001 Upstrm Press Meas, Div 1 | 30QKC10CP519 | 31UJK26029                              | M                             | M                        |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)    | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|-------------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                     |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| QKC10AT001 Dnstrm Press Meas, Div 1 | 30QKC10CP520 | 31UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| KLC51AC003 Upstrm Press Meas, Div 1 | 30QKC10CP521 | 31UJH10010                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC10AA015 Upstrm Press Meas, Div 1 | 30QKC10CP522 | 31UJH10010                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC10AA015 Dnstrm Press Meas, Div 1 | 30QKC10CP523 | 31UJH10010                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC51AC002 Upstrm Press Meas, Div 1 | 30QKC10CP524 | 31UJH10001                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC10AA018 Upstrm Press Meas, Div 1 | 30QKC10CP525 | 31UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC10AA018 Dnstrm Press Meas, Div 1 | 30QKC10CP526 | 31UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC10AA022 Dnstrm Press Meas, Div 1 | 30QKC10CP527 | 31UJH01001                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC10AA022 Upstrm Press Meas, Div 1 | 30QKC10CP528 | 31UJH01001                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| JNG10AP001 Upstrm Press Meas, Div 1 | 30QKC10CP529 | 31UJH01001                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC01AC001 Upstrm Temp Meas, Div 1  | 30QKC10CT501 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKC10AT001 Dnstrm Temp Meas, Div 1  | 30QKC10CT502 | 31UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| SAC61AC001 Upstrm Temp Meas, Div 1  | 30QKC10CT503 | 31UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC61AC001 Dnstrm Temp Meas, Div 1  | 30QKC10CT504 | 31UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC61AC002 Upstrm Temp Meas, Div 1  | 30QKC10CT506 | 31UJH01026                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC61AC002 Dnstrm Temp Meas, Div 1  | 30QKC10CT507 | 31UJH01026                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC51AC001 Upstrm Temp Meas, Div 1  | 30QKC10CT508 | 31UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC51AC001 Dnstrm Temp Meas, Div 1  | 30QKC10CT509 | 31UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC51AC003 Dnstrm Temp Meas, Div 1  | 30QKC10CT510 | 31UJH10010                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC51AC002 Dnstrm Temp Meas, Div 1  | 30QKC10CT511 | 31UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC51AC003 Upstrm Temp Meas, Div 1  | 30QKC10CT512 | 31UJH10010                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| JNG10AP001 Dnstrm Temp Meas, Div 1  | 30QKC10CT513 | 31UJH01001                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| JNG10AP001 Upstrm Temp Meas, Div 1  | 30QKC10CT514 | 31UJH01001                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC51AC002 Upstrm Temp Meas, Div 1  | 30QKC10CT524 | 31UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC20AA101 Position Meas, Div 2     | 30QKC20CG101 | 32UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| SAC02AC001 Upstrm Press Meas, Div 2 | 30QKC20CP501 | 32UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKC20AA002 Upstrm Press Meas, Div 2 | 30QKC20CP502 | 32UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKC20AA002 Dnstrm Press Meas, Div 2 | 30QKC20CP503 | 32UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| SAC62AC001 Upstrm Press Meas, Div 2 | 30QKC20CP504 | 32UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC20AA005 Upstrm Press Meas, Div 2 | 30QKC20CP505 | 32UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC20AA05 Dnstrm Press Meas, Div 2  | 30QKC20CP506 | 32UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC62AC002 Upstrm Press Meas, Div 2 | 30QKC20CP508 | 32UJH05002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC20AA009 Upstrm Press Meas, Div 2 | 30QKC20CP509 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC20AA009 Dnstrm Press Meas, Div 2 | 30QKC20CP510 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC52AC001 Upstrm Press Meas, Div 2 | 30QKC20CP511 | 32UJH05005                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC20AA012 Upstrm Press Meas, Div 2 | 30QKC20CP512 | 32UJH05005                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC20AA012 Dnstrm Press Meas, Div 2 | 30QKC20CP513 | 32UJH05005                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC20AT001 Upstrm Press Meas, Div 2 | 30QKC20CP519 | 32UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKC20AT001 Dnstrm Press Meas, Div 2 | 30QKC20CP520 | 32UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| KLC52AC002 Upstrm Press Meas, Div 2 | 30QKC20CP521 | 32UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC20AA015 Upstrm Press Meas, Div 2 | 30QKC20CP522 | 32UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC20AA015 Dnstrm Press Meas, Div 2 | 30QKC20CP523 | 32UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC02AC001 Upstrm Temp Meas, Div 2  | 30QKC20CT501 | 32UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| SAC02AC001 Dnstrm Temp Meas, Div 2  | 30QKC20CT502 | 32UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| SAC62AC001 Upstrm Temp Meas, Div 2  | 30QKC20CT503 | 32UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC62AC001 Dnstrm Temp Meas, Div 2  | 30QKC20CT504 | 32UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 44 of 102)

| Name Tag (Equipment Description)    | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|-------------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                     |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| SAC62AC002 Upstrm Temp Meas, Div 2  | 30QKC20CT506 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC62AC002 Dnstrm Temp Meas, Div 2  | 30QKC20CT507 | 32UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC52AC001 Upstrm Temp Meas, Div 2  | 30QKC20CT508 | 32UJH05005                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC52AC001 Dnstrm Temp Meas, Div 2  | 30QKC20CT509 | 32UJH05005                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC52AC002 Upstrm Temp Meas, Div 2  | 30QKC20CT510 | 32UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC52AC002 Dnstrm Temp Meas, Div 2  | 30QKC20CT511 | 32UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC30AA101 Position Meas, Div 3     | 30QKC30CG101 | 33UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| SAC03AC001 Upstrm Press Meas, Div 3 | 30QKC30CP501 | 33UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKC30AA002 Upstrm Press Meas, Div 3 | 30QKC30CP502 | 33UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKC30AA002 Dnstrm Press Meas, Div 3 | 30QKC30CP503 | 33UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| SAC63AC001 Upstrm Press Meas, Div 3 | 30QKC30CP504 | 33UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC30AA005 Upstrm Press Meas, Div 3 | 30QKC30CP505 | 33UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC30AA005 Dnstrm Press Meas, Div 3 | 30QKC30CP506 | 33UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC63AC002 Upstrm Press Meas, Div 3 | 30QKC30CP508 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC30AA009 Upstrm Press Meas, Div 3 | 30QKC30CP509 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC30AA009 Dnstrm Press Meas, Div 3 | 30QKC30CP510 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC53AC001 Upstrm Press Meas, Div 3 | 30QKC30CP511 | 33UJH05005                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC30AA012 Upstrm Press Meas, Div 3 | 30QKC30CP512 | 33UJH05005                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC30AA012 Dnstrm Press Meas, Div 3 | 30QKC30CP513 | 33UJH05005                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC30AT001 Upstrm Press Meas, Div 3 | 30QKC30CP519 | 33UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKC30AT001 Dnstrm Press Meas, Div 3 | 30QKC30CP520 | 33UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| KLC53AC002 Upstrm Press Meas, Div 3 | 30QKC30CP521 | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC30AA015 Upstrm Press Meas, Div 3 | 30QKC30CP522 | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC30AA015 Dnstrm Press Meas, Div 3 | 30QKC30CP523 | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC03AC001 Upstrm Temp Meas, Div 3  | 30QKC30CT501 | 33UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| SAC03AC001 Temp Meas, Div 3         | 30QKC30CT502 | 33UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| SAC63AC001 Upstrm Temp Meas, Div 3  | 30QKC30CT503 | 33UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC63AC001 Dnstrm Temp Meas, Div 3  | 30QKC30CT504 | 33UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC63AC002 Upstrm Temp Meas, Div 3  | 30QKC30CT506 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC63AC002 Dnstrm Temp Meas, Div 3  | 30QKC30CT507 | 33UJH05020                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC53AC001 Upstrm Temp Meas, Div 3  | 30QKC30CT508 | 33UJH05005                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC53AC001 Dnstrm Temp Meas, Div 3  | 30QKC30CT509 | 33UJH05005                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC53AC002 Upstrm Temp Meas, Div 3  | 30QKC30CT510 | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC53AC002 Dnstrm Temp Meas, Div 3  | 30QKC30CT511 | 33UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC40AA101 Position Meas, Div 4     | 30QKC40CG101 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| SAC04AC001 Upstrm Press Meas, Div 4 | 30QKC40CP501 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKC40AA002 Upstrm Press Meas, Div 4 | 30QKC40CP502 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKC40AA002 Dnstrm Press Meas, Div 4 | 30QKC40CP503 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| SAC64AC001 Upstrm Press Meas, Div 4 | 30QKC40CP504 | 34UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC40AA005 Upstrm Press Meas, Div 4 | 30QKC40CP505 | 34UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC40AA005 Dnstrm Press Meas, Div 4 | 30QKC40CP506 | 34UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC64AC002 Upstrm Press Meas, Div 4 | 30QKC40CP508 | 34UJH01026                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC40AA009 Upstrm Press Meas, Div 4 | 30QKC40CP509 | 34UJH01026                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC40AA009 Dnstrm Press Meas, Div 4 | 30QKC40CP510 | 34UJH01026                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC54AC001 Upstrm Press Meas, Div 4 | 30QKC40CP511 | 34UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC40AA012 Upstrm Press Meas, Div 4 | 30QKC40CP512 | 34UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 45 of 102)

| Name Tag (Equipment Description)    | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|-------------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                     |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| QKC40AA012 Dnstrm Press Meas, Div 4 | 30QKC40CP513 | 34UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC40AT001 Upstrm Press Meas, Div 4 | 30QKC40CP519 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| QKC40AT001 Dnstrm Press Meas, Div 4 | 30QKC40CP520 | 34UJK26029                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| KLC54AC003 Upstrm Press Meas, Div 4 | 30QKC40CP521 | 34UJH10011                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC40AA015 Upstrm Press Meas, Div 4 | 30QKC40CP522 | 34UJH10011                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC40AA015 Dnstrm Press Meas, Div 4 | 30QKC40CP523 | 34UJH10011                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC54AC002 Upstrm Press Meas, Div 4 | 30QKC40CP524 | 34UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC40AA018 Upstrm Press Meas, Div 4 | 30QKC40CP525 | 34UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC40AA018 Dnstrm Press Meas, Div 4 | 30QKC40CP526 | 34UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC40AA022 Dnstrm Press Meas, Div 4 | 30QKC40CP527 | 34UJH01001                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKC40AA022 Upstrm Press Meas, Div 4 | 30QKC40CP528 | 34UJH01001                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| JNG40AP001 Upstrm Press Meas, Div 4 | 30QKC40CP529 | 34UJH01001                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC04AC001 Upstrm Temp Meas, Div 4  | 30QKC40CT501 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| SAC04AC001 Dnstrm Temp Meas, Div 4  | 30QKC40CT502 | 34UJK22028                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| SAC64AC001 Upstrm Temp Meas, Div 4  | 30QKC40CT503 | 34UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC64AC001 Dnstrm Temp Meas, Div 4  | 30QKC40CT504 | 34UJH01024                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC64AC002 Upstrm Temp Meas, Div 4  | 30QKC40CT506 | 34UJH01026                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| SAC64AC002 Dnstrm Temp Meas, Div 4  | 30QKC40CT507 | 34UJH01026                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC54AC001 Upstrm Temp Meas, Div 4  | 30QKC40CT508 | 34UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC54AC001 Dnstrm Temp Meas, Div 4  | 30QKC40CT509 | 34UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC54AC003 Dnstrm Temp Meas, Div 4  | 30QKC40CT510 | 34UJH10011                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC54AC002 Dnstrm Temp Meas, Div 4  | 30QKC40CT511 | 34UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC54AC003 Upstrm Temp Meas, Div 4  | 30QKC40CT512 | 34UJH10011                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| JNG40AP001 Dnstrm Temp Meas, Div 4  | 30QKC40CT513 | 34UJH01001                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| JNG40AP001 Upstrm Temp Meas, Div 4  | 30QKC40CT514 | 34UJH01001                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLC54AC002 Upstrm Temp Meas, Div 4  | 30QKC40CT524 | 34UJH10002                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLL61AC001 Upstrm Press Meas, Div 1 | 30QKF10CP501 | 30UFA01038                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKF10AA002 Upstrm Press Meas, Div 1 | 30QKF10CP502 | 30UFA01038                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKF10AA002 Dnstrm Press Meas, Div 1 | 30QKF10CP503 | 30UFA01038                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLL61AC001 Upstrm Temp Meas, Div 1  | 30QKF10CT501 | 30UFA01038                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLL61AC001 Dnstrm Temp Meas, Div 1  | 30QKF10CT502 | 30UFA01038                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLL64AC001 Upstrm Press Meas, Div 4 | 30QKF40CP501 | 30UFA01088                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKF40AA002 Upstrm Press Meas, Div 4 | 30QKF40CP502 | 30UFA01088                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| QKF40AA002 Dnstrm Press Meas, Div 4 | 30QKF40CP503 | 30UFA01088                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLL64AC001 Upstrm Temp Meas, Div 4  | 30QKF40CT501 | 30UFA01088                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KLL64AC001 Dnstrm Temp Meas, Div 4  | 30QKF40CT502 | 30UFA01088                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| <b>Extra Borating System (EBS)</b>  |              |   |                               |                                 |  |                                       |                          |                                    |             |
| EBS Outside Cont Iso Valve Actuator | 30JDH10AA006 | 30UFA10045                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EBS Test Line Iso Valve Actuator    | 30JDH10AA008 | 30UFA01038                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EBS RCS Iso Valve Actuator          | 30JDH10AA015 | 30UJA11003                              | H                             | H                               |  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| EBS Pump Motor                      | 30JDH10AP001 | 30UFA01038                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EBS RCS Iso Valve Actuator          | 30JDH20AA015 | 30UJA11005                              | H                             | H                               |  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| EBS RCS Iso Valve Actuator          | 30JDH30AA015 | 30UJA11006                              | H                             | H                               |  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| EBS Outside Cont Iso Valve Actuator | 30JDH40AA006 | 30UFA10095                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |             |
|----------------------------------|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------|-------------|
|                                  |              |   |                               |  |                                       |                          | Y (1)                              | Y (2) | Y (5) Y (6) |
| EBS Test Line Iso Valve Actuator | 30JDH40AA008 | 30UFA01088                              | M                             | H  | ES SI                                 | S 1E EMC                 |                                    | Y (2) | Y (5) Y (6) |
| EBS RCS Iso Valve Actuator       | 30JDH40AA015 | 30UJA11008                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              |       | Y (5)       |
| EBS Pump Motor                   | 30JDH40AP001 | 30UFA01088                              | M                             | H  | ES SI                                 | S 1E EMC                 |                                    | Y (2) | Y (5) Y (6) |
| EBS Flow Meter                   | 30JDH10CF058 | 30UFA01038                              | M                             | H  | ES PAM SI                             | S 1E EMC                 |                                    | Y (2) | Y (5) Y (6) |
| EBS Tank Level Inst              | 30JDH10CL050 | 30UFA06039                              | M                             | H  | ES SI                                 | S 1E EMC                 |                                    | Y (2) | Y (5) Y (6) |
| EBS Tank Level Inst              | 30JDH10CL060 | 30UFA06039                              | M                             | H  | ES SI                                 | S 1E EMC                 |                                    | Y (2) | Y (5) Y (6) |
| EBS Tank Temperature Inst        | 30JDH10CT052 | 30UFA06039                              | M                             | H  | ES SI                                 | S 1E EMC                 |                                    | Y (2) | Y (5) Y (6) |
| EBS Tank Temperature Inst        | 30JDH10CT062 | 30UFA06039                              | M                             | H  | ES SI                                 | S 1E EMC                 |                                    | Y (2) | Y (5) Y (6) |
| EBS Flow Meter                   | 30JDH40CF058 | 30UFA01088                              | M                             | H  | ES PAM SI                             | S 1E EMC                 |                                    | Y (2) | Y (5) Y (6) |
| EBS Tank Level Inst              | 30JDH40CL050 | 30UFA06087                              | M                             | H  | ES SI                                 | S 1E EMC                 |                                    | Y (2) | Y (5) Y (6) |
| EBS Tank Level Inst              | 30JDH40CL060 | 30UFA06087                              | M                             | H  | ES SI                                 | S 1E EMC                 |                                    | Y (2) | Y (5) Y (6) |
| EBS Tank Temperature Inst        | 30JDH40CT052 | 30UFA06087                              | M                             | H  | ES SI                                 | S 1E EMC                 |                                    | Y (2) | Y (5) Y (6) |
| EBS Tank Temperature Inst        | 30JDH40CT062 | 30UFA06087                              | M                             | H  | ES SI                                 | S 1E EMC                 |                                    | Y (2) | Y (5) Y (6) |
| <b>Feedwater System (MFWS)</b>   |              |   |                               |  |                                       |                          |                                    |       |             |
| MFW1 FUL LD I-V                  | 30LAB60AA001 | 31UJE26001                              | H                             | H  |                                       | SI S 1E EMC              |                                    | Y (1) | Y (5)       |
| MFW1 I-V                         | 30LAB60AA002 | 31UJE26001                              | H                             | H  | ES                                    | SI S 1E EMC              |                                    | Y (1) | Y (5)       |
| MFW1 FUL LD C-V                  | 30LAB60AA101 | 31UJE26001                              | H                             | H  |                                       | SI S 1E EMC              |                                    | Y (1) | Y (5)       |
| G1 MFW1 FUL LD C-V               | 30LAB60CG701 | 31UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |
| G2 MFW1 FUL LD C-V               | 30LAB60CG702 | 31UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |
| G3 MFW1 FUL LD C-V               | 30LAB60CG703 | 31UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |
| T2 MFW1 UPSTR I-V                | 30LAB60CT762 | 31UJE26001                              | H                             | H  |                                       | SI S 1E                  |                                    | Y (1) | Y (5)       |
| T3 MFW1 DNSTR I-V                | 30LAB60CT763 | 31UJE26001                              | H                             | H  |                                       | SI S 1E                  |                                    | Y (1) | Y (5)       |
| MFW1 LLD I-V                     | 30LAB64AA001 | 31UJE26001                              | H                             | H  |                                       | SI S 1E EMC              |                                    | Y (1) | Y (5)       |
| MFW1 LLD C-V                     | 30LAB64AA101 | 31UJE26001                              | H                             | H  |                                       | SI S 1E EMC              |                                    | Y (1) | Y (5)       |
| MFW1 VLLD C-V                    | 30LAB64AA102 | 31UJE26001                              | H                             | H  |                                       | SI S 1E EMC              |                                    | Y (1) | Y (5)       |
| G1 MFW1 LLD C-V                  | 30LAB64CG701 | 31UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |
| G2 MFW1 LLD C-V                  | 30LAB64CG702 | 31UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |
| G3 MFW1 LLD C-V                  | 30LAB64CG703 | 31UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |
| G1 MFW1 VLLD C-V                 | 30LAB64CG704 | 31UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |
| G2 MFW1 VLLD C-V                 | 30LAB64CG705 | 31UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |
| G3 MFW1 VLLD C-V                 | 30LAB64CG706 | 31UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |
| MFW2 FUL LD I-V                  | 30LAB70AA001 | 32UJE26001                              | H                             | H  |                                       | SI S 1E EMC              |                                    | Y (1) | Y (5)       |
| MFW2 I-V                         | 30LAB70AA002 | 32UJE26001                              | H                             | H  | ES                                    | SI S 1E EMC              |                                    | Y (1) | Y (5)       |
| MFW2 FUL LD C-V                  | 30LAB70AA101 | 32UJE26001                              | H                             | H  |                                       | SI S 1E EMC              |                                    | Y (1) | Y (5)       |
| G1 MFW2 FUL LD C-V               | 30LAB70CG701 | 32UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |
| G2 MFW2 FUL LD C-V               | 30LAB70CG702 | 32UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |
| G3 MFW2 FUL LD C-V               | 30LAB70CG703 | 32UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |
| T1 MFW2 DNSTR FIX PT             | 30LAB70CT708 | 32UJE26001                              | H                             | H  |                                       | SI S 1E                  |                                    | Y (1) | Y (5)       |
| T2 MFW2 UPSTR I-V                | 30LAB70CT762 | 32UJE26001                              | H                             | H  |                                       | SI S 1E                  |                                    | Y (1) | Y (5)       |
| T3 MFW2 DNSTR I-V                | 30LAB70CT763 | 32UJE26001                              | H                             | H  |                                       | SI S 1E                  |                                    | Y (1) | Y (5)       |
| MFW2 LLD I-V                     | 30LAB74AA001 | 32UJE26001                              | H                             | H  |                                       | SI S 1E EMC              |                                    | Y (1) | Y (5)       |
| MFW2 LLD C-V                     | 30LAB74AA101 | 32UJE26001                              | H                             | H  |                                       | SI S 1E EMC              |                                    | Y (1) | Y (5)       |
| MFW2 VLLD C-V                    | 30LAB74AA102 | 32UJE26001                              | H                             | H  |                                       | SI S 1E EMC              |                                    | Y (1) | Y (5)       |
| G1 MFW2 LLD C-V                  | 30LAB74CG701 | 32UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |
| G2 MFW2 LLD C-V                  | 30LAB74CG702 | 32UJE26001                              | H                             | H  |                                       | SII NS-AQ                |                                    | Y (1) | Y (5)       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 47 of 102)

| Name Tag (Equipment Description)         | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |  | EQ Program Designation<br>(Note 5) |             |
|--|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|--|------------------------------------|-------------|
|  |              |   |                               |  |                                       |                          |  |                                    |             |
| G3 MFW2 LLD C-V                          | 30LAB74CG703 | 32UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G1 MFW2 VLLD C-V                         | 30LAB74CG704 | 32UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G2 MFW2 VLLD C-V                         | 30LAB74CG705 | 32UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G2 MFW2 VLLD C-V                         | 30LAB74CG706 | 32UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| MFW3 FUL LD I-V                          | 30LAB80AA001 | 33UJE26001                              | H                             | H  | SI                                    | S 1E EMC                 |  | Y (1)                              | Y (5)       |
| MFW3 I-V                                 | 30LAB80AA002 | 33UJE26001                              | H                             | H  | ES SI                                 | S 1E EMC                 |  | Y (1)                              | Y (5)       |
| MFW3 FUL LD C-V                          | 30LAB80AA101 | 33UJE26001                              | H                             | H  | SI                                    | S 1E EMC                 |  | Y (1)                              | Y (5)       |
| G1 MFW3 FUL LD C-V                       | 30LAB80CG701 | 33UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G2 MFW3 FUL LD C-V                       | 30LAB80CG702 | 33UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G3 MFW3 FUL LD C-V                       | 30LAB80CG703 | 33UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| P MFW3 ATP                               | 30LAB80CP407 | 33UJE26001                              | H                             | H  | SI                                    | S 1E                     |  | Y (1)                              | Y (5)       |
| T1 MFW3 DNSTR FIX PT                     | 30LAB80CT708 | 33UJE26001                              | H                             | H  | SI                                    | S 1E                     |  | Y (1)                              | Y (5)       |
| T2 MFW3 UPSTR I-V                        | 30LAB80CT762 | 33UJE26001                              | H                             | H  | SI                                    | S 1E                     |  | Y (1)                              | Y (5)       |
| T3 MFW3 DNSTR I-V                        | 30LAB80CT763 | 33UJE26001                              | H                             | H  | SI                                    | S 1E                     |  | Y (1)                              | Y (5)       |
| MFW3 LLD I-V                             | 30LAB84AA001 | 33UJE26001                              | H                             | H  | SI                                    | S 1E EMC                 |  | Y (1)                              | Y (5)       |
| MFW3 LLD C-V                             | 30LAB84AA101 | 33UJE26001                              | H                             | H  | SI                                    | S 1E EMC                 |  | Y (1)                              | Y (5)       |
| MFW3 VLLD C-V                            | 30LAB84AA102 | 33UJE26001                              | H                             | H  | SI                                    | S 1E EMC                 |  | Y (1)                              | Y (5)       |
| G1 MFW3 LLD C-V                          | 30LAB84CG701 | 33UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G2 MFW3 LLD C-V                          | 30LAB84CG702 | 33UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G3 MFW3 LLD C-V                          | 30LAB84CG703 | 33UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G1 MFW3 VLLD C-V                         | 30LAB84CG704 | 33UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G2 MFW3 VLLD C-V                         | 30LAB84CG705 | 33UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G3 MFW3 VLLD C-V                         | 30LAB84CG706 | 33UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| MFW4 FUL LD I-V                          | 30LAB90AA001 | 34UJE26001                              | H                             | H  | SI                                    | S 1E EMC                 |  | Y (1)                              | Y (5)       |
| MFW4 I-V                                 | 30LAB90AA002 | 34UJE26001                              | H                             | H  | ES SI                                 | S 1E EMC                 |  | Y (1)                              | Y (5)       |
| MFW4 FUL LD C-V                          | 30LAB90AA101 | 34UJE26001                              | H                             | H  | SI                                    | S 1E EMC                 |  | Y (1)                              | Y (5)       |
| G1 MFW4 FUL LD C-V                       | 30LAB90CG701 | 34UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G2 MFW4 FUL LD C-V                       | 30LAB90CG702 | 34UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G3 MFW4 FUL LD C-V                       | 30LAB90CG703 | 34UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| T2 MFW4 UPSTR I-V                        | 30LAB90CT762 | 34UJE26001                              | H                             | H  | SI                                    | S 1E                     |  | Y (1)                              | Y (5)       |
| T3 MFW4 DNSTR I-V                        | 30LAB90CT763 | 34UJE26001                              | H                             | H  | SI                                    | S 1E                     |  | Y (1)                              | Y (5)       |
| MFW4 LLD I-V                             | 30LAB94AA001 | 34UJE26001                              | H                             | H  | SI                                    | S 1E EMC                 |  | Y (1)                              | Y (5)       |
| MFW4 LLD C-V                             | 30LAB94AA101 | 34UJE26001                              | H                             | H  | SI                                    | S 1E EMC                 |  | Y (1)                              | Y (5)       |
| MFW4 VLLD C-V                            | 30LAB94AA102 | 34UJE26001                              | H                             | H  | SI                                    | S 1E EMC                 |  | Y (1)                              | Y (5)       |
| G1 MFW4 LLD C-V                          | 30LAB94CG701 | 34UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G2 MFW4 LLD C-V                          | 30LAB94CG702 | 34UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G3 MFW4 LLD C-V                          | 30LAB94CG703 | 34UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G1 MFW4 VLLD C-V                         | 30LAB94CG704 | 34UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G2 MFW4 VLLD C-V                         | 30LAB94CG705 | 34UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| G3 MFW4 VLLD C-V                         | 30LAB94CG706 | 34UJE26001                              | H                             | H  | SII                                   | NS-AQ                    |  | Y (1)                              | Y (5)       |
| <b>Emergency Feedwater System (EFWS)</b> |              |   |                               |  |                                       |                          |  |                                    |             |
| EFW Pool Level (Wide Range) Train 1      | 30LAR10CL001 | 31UJH10026                              | M                             | H  | PAM SI                                | S 1E EMC                 |  | Y (2)                              | Y (5) Y (6) |
| EFW Pool Level (Narrow Range) Train 1    | 30LAR10CL002 | 31UJH10026                              | M                             | H  | SII                                   | NS-AQ                    |  | Y (2)                              | Y (5)       |
| EFW Pool Level (Wide Range) Train 1      | 30LAR10CL003 | 31UJH10026                              | M                             | H  | PAM SI                                | S 1E EMC                 |  | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)            | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |          | EQ Program Designation<br>(Note 5) |             |
|---|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|----------|------------------------------------|-------------|
|   |               |   |                               |  |                                       |                          |          |                                    |             |
| EFW Pool Local Level Guage Train 1          | 30LAR10CL501  | 31UJH05026                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Storage Pool Temperature Train 1        | 30LAR10CT001  | 31UJH05026                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW SG Isolation Valve Actuator Train 1     | 30LAR11AA006  | 31UJH10010                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Flow Control Valve Actuator Train 1     | 30LAR11AA103  | 31UJH01024                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW SG Level Control Valve Actuator Train 1 | 30LAR11AA105  | 31UJH01024                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Flow Meter to SG Train 1                | 30LAR11CF002  | 31UJH01024                              | M                             | H  | PAM                                   | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Pump Flow Meter Train 1                 | 30LAR11CF801  | 31UJH01024                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW SG Level Control Valve Position Train 1 | 30LAR11CG105  | 31UJH01024                              | M                             | H  | PAM                                   | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Flow Control Valve Position Train 1     | 30LAR11CG803  | 31UJH01024                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Pump Suction Pressure Train 1           | 30LAR11CP001  | 31UJH01024                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Pump Developed Head Train 1             | 30LAR11CP002  | 31UJH01024                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Pump Discharge Pressure Train 1         | 30LAR11CP003  | 31UJH01024                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW SG Level Control Valve dP Train 1       | 30LAR11CP004  | 31UJH01024                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Pump Suction Temperature Train 1        | 30LAR11CT001  | 31UJH01024                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Pump Discharge Temperature Train 1      | 30LAR11CT004  | 31UJH10004                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Discharge Header Isolation Valve Act    | 30LAR14AA001  | 31UJH01024                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Discharge Header MOV Position Train 1   | 30LAR14CG001A | 31UJH01024                              | M                             | H  | PAM                                   | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Discharge Header MOV Position Train 1   | 30LAR14CG001B | 31UJH01024                              | M                             | H  | PAM                                   | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Pool Level (Wide Range) Train 2         | 30LAR20CL001  | 32UJH10020                              | M                             | H  | PAM                                   | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Pool Level (Narrow Range) Train 2       | 30LAR20CL002  | 32UJH10020                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Pool Level (Wide Range) Train 2         | 30LAR20CL003  | 32UJH10020                              | M                             | H  | PAM                                   | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Pool Local Level Guage Train 2          | 30LAR20CL501  | 32UJH05020                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Storage Pool Temperature Train 2        | 30LAR20CT001  | 32UJH05020                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW SG Isolation Valve Actuator Train 2     | 30LAR21AA006  | 32UJH10002                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Flow Control Valve Actuator Train 2     | 30LAR21AA103  | 32UJH01024                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW SG Level Control Valve Actuator Train 2 | 30LAR21AA105  | 32UJH01024                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Flow Meter to SG Train 2                | 30LAR21CF002  | 32UJH01005                              | M                             | H  | PAM                                   | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Pump Flow Meter Train 2                 | 30LAR21CF801  | 32UJH01024                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW SG Level Control Valve Position Train 2 | 30LAR21CG105  | 32UJH01024                              | M                             | H  | PAM                                   | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Flow Control Valve Position Train 2     | 30LAR21CG803  | 32UJH01024                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Pump Suction Pressure Train 2           | 30LAR21CP001  | 32UJH01024                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Pump Developed Head Train 2             | 30LAR21CP002  | 32UJH01024                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Pump Discharge Pressure Train 2         | 30LAR21CP003  | 32UJH01024                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW SG Level Control Valve dP Train 2       | 30LAR21CP004  | 32UJH01024                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Pump Suction Temperature Train 2        | 30LAR21CT001  | 32UJH01024                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Pump Discharge Temperature Train 2      | 30LAR21CT004  | 32UJH10002                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Discharge Header Isolation Valve Act    | 30LAR24AA001  | 32UJH01024                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Discharge Header MOV Position Train 2   | 30LAR24CG001A | 32UJH01024                              | M                             | H  | PAM                                   | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Discharge Header MOV Position Train 2   | 30LAR24CG001B | 32UJH01024                              | M                             | H  | PAM                                   | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Pool Level (Wide Range) Train 3         | 30LAR30CL001  | 33UJH10020                              | M                             | H  | PAM                                   | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Pool Level (Narrow Range) Train 3       | 30LAR30CL002  | 33UJH10020                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Pool Level (Wide Range) Train 3         | 30LAR30CL003  | 33UJH10020                              | M                             | H  | PAM                                   | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Pool Local Level Guage Train 3          | 30LAR30CL501  | 33UJH05020                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW Storage Pool Temperature Train 3        | 30LAR30CT001  | 33UJH05024                              | M                             | H  | SII                                   | NS-AQ                    |          | Y (2)                              | Y (5)       |
| EFW SG Isolation Valve Actuator Train 3     | 30LAR31AA006  | 33UJH10002                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |
| EFW Flow Control Valve Actuator Train 3     | 30LAR31AA103  | 33UJH01038                              | M                             | H  | ES                                    | SI                       | S 1E EMC | Y (2)                              | Y (5) Y (6) |



Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)            | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|---|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|   |               |   |                               |  |                                       |                          |                                    |             |
| EFW SG Level Control Valve Actuator Train 3 | 30LAR31AA105  | 33UJH01038                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Flow Meter to SG Train 3                | 30LAR31CF002  | 33UJH01005                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Pump Flow Meter Train 3                 | 30LAR31CF801  | 33UJH01038                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW SG Level Control Valve Position Train 3 | 30LAR31CG105  | 33UJH01038                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Flow Control Valve Position Train 3     | 30LAR31CG803  | 33UJH01038                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Pump Suction Pressure Train 3           | 30LAR31CP001  | 33UJH01038                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Developed Head Train 3             | 30LAR31CP002  | 33UJH01038                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Discharge Pressure Train 3         | 30LAR31CP003  | 33UJH01038                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW SG Level Control Valve dP Train 3       | 30LAR31CP004  | 33UJH01038                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Suction Temperature Train 3        | 30LAR31CT001  | 33UJH01038                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Discharge Temperature Train 3      | 30LAR31CT004  | 33UJH10002                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Discharge Header Isolation Valve Act    | 30LAR34AA001  | 33UJH01038                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Discharge Header MOV Position Train 3   | 30LAR34CG001A | 33UJH01038                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Discharge Header MOV Position Train 3   | 30LAR34CG001B | 33UJH01038                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Pool Level (Wide Range) Train 4         | 30LAR40CL001  | 34UJH10026                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Pool Level (Narrow Range) Train 4       | 30LAR40CL002  | 34UJH10026                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pool Level (Wide Range) Train 4         | 30LAR40CL003  | 34UJH10026                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Pool Local Level Gauge Train 4          | 30LAR40CL501  | 34UJH05026                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Storage Pool Temperature Train 4        | 30LAR40CT001  | 34UJH05026                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW SG Isolation Valve Actuator Train 4     | 30LAR41AA006  | 34UJH10004                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Flow Control Valve Actuator Train 4     | 30LAR41AA103  | 34UJH01024                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW SG Level Control Valve Actuator Train 4 | 30LAR41AA105  | 34UJH01024                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Flow Meter to SG Train 4                | 30LAR41CF002  | 34UJH01024                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Pump Flow Meter Train 4                 | 30LAR41CF801  | 34UJH01024                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW SG Level Control Valve Position Train 4 | 30LAR41CG105  | 34UJH01024                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Flow Control Valve Position Train 4     | 30LAR41CG803  | 34UJH01024                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Pump Suction Pressure Train 4           | 30LAR41CP001  | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Developed Head Train 4             | 30LAR41CP002  | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Discharge Pressure Train 4         | 30LAR41CP003  | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW SG Level Control Valve dP Train 4       | 30LAR41CP004  | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Suction Temperature Train 4        | 30LAR41CT001  | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Discharge Temperature Train 4      | 30LAR41CT004  | 34UJH10004                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Discharge Header Isolation Valve Act    | 30LAR44AA001  | 34UJH01024                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Discharge Header MOV Position Train 4   | 30LAR44CG001A | 34UJH01024                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Discharge Header MOV Position Train 4   | 30LAR44CG001B | 34UJH01024                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Pump Motor Heater Train 1               | 30LAS11AH501  | 31UJH01021                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Motor Train 1                      | 30LAS11AP001  | 31UJH01021                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EFW Pump Train 1 Motor Current              | 30LAS11CE102  | 31UJH01021                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Oil Level (Local)          | 30LAS11CL501  | 31UJH01021                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Oil Level (Local)          | 30LAS11CL502  | 31UJH01021                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Bearing Temperature        | 30LAS11CT001A | 31UJH01021                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Bearing Temperature        | 30LAS11CT001B | 31UJH01021                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Bearing Temperature        | 30LAS11CT002A | 31UJH01021                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Bearing Temperature        | 30LAS11CT002B | 31UJH01021                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Bearing Temperature        | 30LAS11CT003A | 31UJH01021                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Bearing Temperature        | 30LAS11CT003B | 31UJH01021                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)           | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |    | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|--|---------------|---|-------------------------------|---------------------------------|----|---------------------------------------|--------------------------|------------------------------------|-------------|
|  |               |   |                               | Environment<br>Zone<br>(Note 2) |    |                                       |                          |                                    |             |
| EFW Pump Train 1 Motor Winding Temperature | 30LAS11CT005  | 31UJH01021                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Motor Winding Temperature | 30LAS11CT006  | 31UJH01021                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Motor Winding Temperature | 30LAS11CT007  | 31UJH01021                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Motor Bearing Temperature | 30LAS11CT008A | 31UJH01021                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Motor Bearing Temperature | 30LAS11CT008B | 31UJH01021                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Motor Bearing Temperature | 30LAS11CT009A | 31UJH01021                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 1 Motor Bearing Temperature | 30LAS11CT009B | 31UJH01021                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Motor Heater Train 2              | 30LAS21AH501  | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Motor Train 2                     | 30LAS21AP001  | 32UJH01024                              | M                             | H                               | ES | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| EFW Pump Train 2 Motor Current             | 30LAS21CE102  | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Oil Level (Local)         | 30LAS21CL501  | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Oil Level (Local)         | 30LAS21CL502  | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Bearing Temperature       | 30LAS21CT001A | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Bearing Temperature       | 30LAS21CT001B | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Bearing Temperature       | 30LAS21CT002A | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Bearing Temperature       | 30LAS21CT002B | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Bearing Temperature       | 30LAS21CT003A | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Bearing Temperature       | 30LAS21CT003B | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Motor Winding Temperature | 30LAS21CT005  | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Motor Winding Temperature | 30LAS21CT006  | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Motor Winding Temperature | 30LAS21CT007  | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Motor Winding Temperature | 30LAS21CT008A | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Motor Winding Temperature | 30LAS21CT008B | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Motor Winding Temperature | 30LAS21CT009A | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 2 Motor Winding Temperature | 30LAS21CT009B | 32UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Motor Heater Train 3              | 30LAS31AH501  | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Motor Train 3                     | 30LAS31AP001  | 33UJH01024                              | M                             | H                               | ES | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| EFW Pump Train 3 Motor Current             | 30LAS31CE102  | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Oil Level (Local)         | 30LAS31CL501  | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Oil Level (Local)         | 30LAS31CL502  | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Bearing Temperature       | 30LAS31CT001A | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Bearing Temperature       | 30LAS31CT001B | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Bearing Temperature       | 30LAS31CT002A | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Bearing Temperature       | 30LAS31CT002B | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Bearing Temperature       | 30LAS31CT003A | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Bearing Temperature       | 30LAS31CT003B | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Motor Winding Temperature | 30LAS31CT005  | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Motor Winding Temperature | 30LAS31CT006  | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Motor Winding Temperature | 30LAS31CT007  | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Motor Winding Temperature | 30LAS31CT008A | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Motor Winding Temperature | 30LAS31CT008B | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Motor Winding Temperature | 30LAS31CT009A | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 3 Motor Winding Temperature | 30LAS31CT009B | 33UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Motor Heater Train 4              | 30LAS41AH501  | 34UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Motor Train 4                     | 30LAS41AP001  | 34UJH01024                              | M                             | H                               | ES | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| EFW Pump Train 4 Motor Current             | 30LAS41CE102  | 34UJH01024                              | M                             | H                               |    | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)                           | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|--|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|  |               |   |                               |  |                                       |                          |                                    |             |
| EFW Pump Train 4 Oil Level (Local)                         | 30LAS41CL501  | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Oil Level (Local)                         | 30LAS41CL502  | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Bearing Temperature                       | 30LAS41CT001A | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Bearing Temperature                       | 30LAS41CT001B | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Bearing Temperature                       | 30LAS41CT002A | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Bearing Temperature                       | 30LAS41CT002B | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Bearing Temperature                       | 30LAS41CT003A | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Bearing Temperature                       | 30LAS41CT003B | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Motor Winding Temperature                 | 30LAS41CT005  | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Motor Winding Temperature                 | 30LAS41CT006  | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Motor Winding Temperature                 | 30LAS41CT007  | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Motor Winding Temperature                 | 30LAS41CT008A | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Motor Winding Temperature                 | 30LAS41CT008B | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Motor Winding Temperature                 | 30LAS41CT009A | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| EFW Pump Train 4 Motor Winding Temperature                 | 30LAS41CT009B | 34UJH01024                              | M                             | H  | SII                                   | NS-AQ                    | Y (2)                              | Y (5)       |
| <b>In-containment Refueling Water Storage Tank (IRWST)</b> |               |   |                               |  |                                       |                          |                                    |             |
| IRWST 3-Way Isolation Valve Actuator                       | 30JNK10AA001  | 31UJH01005                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| 1st CVCS Suct. Iso. Valve Act. Fr IRWST                    | 30JNK10AA009  | 31UJH01010                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| SIS TRN 2 Str. Backflush Valve Actuator                    | 30JNK10AA004  | 30UJA11013                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SIS TRN 2 Str. Backflush Valve Actuator                    | 30JNK10AA005  | 30UJA11013                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SIS TRN 1 Str. Backflush Valve Actuator                    | 30JNK10AA006  | 30UJA11013                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SIS TRN 1 Str. Backflush Valve Actuator                    | 30JNK10AA007  | 30UJA11013                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| 2nd CVCS Suct. Isol. Valve Actuator                        | 30JNK10AA013  | 31UJH01010                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| SIS TRN 3 Stra. Backflush Valve Actuator                   | 30JNK11AA004  | 30UJA11015                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SIS TRN 3 Str.r Backflush Valve Actuator                   | 30JNK11AA005  | 30UJA11015                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SIS TRN 4 Str.r Backflush Valve Actuator                   | 30JNK11AA006  | 30UJA11016                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SIS TRN 4 Str. Backflush Valve Actuator                    | 30JNK11AA007  | 30UJA11016                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| 1st SAHRS Suct. Iso. Valve Act. Fr IRWST                   | 30JNK11AA009  | 34UJH01010                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| IRWST 3-Way Isolation Valve Actuator                       | 30JNK20AA001  | 32UJH01008                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| IRWST 3-Way Isolation Valve Actuator                       | 30JNK30AA001  | 33UJH01008                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| IRWST 3-Way Isolation Valve Actuator                       | 30JNK40AA001  | 34UJH01005                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| SIS Str. 1&2 Backflush Flow                                | 30JNK10CF501  | 30UJA11016                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| IRWST Level Sensor - Train 1 & 2                           | 30JNK10CL050  | 30UJA11013                              | H                             | H  | ES PAM                                | SI S 1E EMC              | Y (1)                              | Y (5)       |
| IRWST Level Sensor - Train 1 & 2                           | 30JNK10CL052  | 30UJA11014                              | H                             | H  | ES PAM                                | SI S 1E EMC              | Y (1)                              | Y (5)       |
| SIS Suction Strainer dP Sensor                             | 30JNK10CP001  | 30UJA07014                              | H                             | H  | ES PAM                                | SI S 1E EMC              | Y (1)                              | Y (5)       |
| SIS Suction Strainer dP Sensor                             | 30JNK10CP002  | 30UJA07014                              | H                             | H  | ES PAM                                | SI S 1E EMC              | Y (1)                              | Y (5)       |
| CVCS Suction Strainer dp Sensor                            | 30JNK10CP003  | 30UJA07014                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SIS TRN 1 Dbl. Gd. Pipe Press. Sensor                      | 30JNK10CP004  | 31UJH01004                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| SIS TRN 2 Dbl. Gd. Pipe Press. Sensor                      | 30JNK10CP005  | 32UJH05010                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| CVCS Suct. Ln. Dbl. Gd. Pipe Press. Ssr.                   | 30JNK10CP006  | 31UJH10001                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| SIS TRN 1 Dbl. Gd. Pipe Press. Sensor, loc.                | 30JNK10CP504  | 31UJH05006                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| SIS TRN 2 Dbl. Gd. Pipe Press. Sensor, loc.                | 30JNK10CP505  | 32UJH01008                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| CVCS Suct. Ln. Dbl. Gd. Pipe Press. Ssr, loc.              | 30JNK10CP506  | 31UJH01010                              | M                             | H  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| IRWST Temperature Sensor                                   | 30JNK10CT054  | 30UJA04003                              | H                             | H  | ES                                    | SI S 1E EMC              | Y (1)                              | Y (5)       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)              | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|---|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|   |              |   |                               |  |                                       |                          |                                    |             |
| IRWST Temperature Sensor                      | 30JNK10CT056 | 30UJA04003                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5)       |
| SIS Str. 3&4 Backflush Flow                   | 30JNK11CF501 | 30UJA11016                              | H                             | H  |                                       | NS-AQ EMC                | Y (1)                              | Y (5)       |
| IRWST Level Sensor - Train 3 & 4              | 30JNK11CL050 | 30UJA11015                              | H                             | H  | ES PAM SI                             | S 1E EMC                 | Y (1)                              | Y (5)       |
| IRWST Level Sensor - Train 3 & 4              | 30JNK11CL052 | 30UJA11016                              | H                             | H  | ES PAM SI                             | S 1E EMC                 | Y (1)                              | Y (5)       |
| SIS Suction Strainer dP Sensor                | 30JNK11CP001 | 30UJA07015                              | H                             | H  | ES PAM SI                             | S 1E EMC                 | Y (1)                              | Y (5)       |
| SIS Suction Strainer dP Sensor                | 30JNK11CP002 | 30UJA07015                              | H                             | H  | ES PAM SI                             | S 1E EMC                 | Y (1)                              | Y (5)       |
| SAHRS Suction Strainer dp Sensor              | 30JNK11CP003 | 30UJA07015                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              |             |
| SIS TRN 3 Dbl. Gd. Pipe Press. Sensor         | 30JNK11CP004 | 33UJH05006                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| SIS TRN 4 Dbl. Gd. Pipe Press. Sensor         | 30JNK11CP005 | 34UJH05006                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| SAHRS Suct. Ln. Dbl. Gd. Pipe Press. Ssr      | 30JNK11CP006 | 34UJH10001                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| SIS TRN 3 Dbl. Gd. Pipe Press. Sensor, loc.   | 30JNK11CP504 | 33UJH01008                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| SIS TRN 4 Dbl. Gd. Pipe Press. Sensor, loc.   | 30JNK11CP505 | 34UJH05006                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| SAHRS Suct. Ln. Dbl. Gd. Pipe Pres. Ssr, loc. | 30JNK11CP506 | 34UJH01010                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| IRWST Temperature Sensor                      | 30JNK11CT054 | 30UJA04003                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5)       |
| IRWST Temperature Sensor                      | 30JNK11CT056 | 30UJA04003                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5)       |
| <b>Main Steam System (MSS)</b>                |              |   |                               |  |                                       |                          |                                    |             |
| MSIV TRN1 UPSTR D-V                           | 30LBA10AA441 | 31UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV TRN1 DNSTR D-V                           | 30LBA10AA442 | 31UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV TRN1 2ND D-V                             | 30LBA10AA444 | 31UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSRCV TRN 1                                   | 30LBA13AA101 | 31UJE29002                              | H                             | M  | RT ES PAM SI                          | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV BYP LN I-V TRN1                          | 30LBA14AA001 | 31UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV BYP LN C-V TRN1                          | 30LBA14AA101 | 31UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV TRN2 UPSTR D-V                           | 30LBA20AA441 | 32UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV TRN2 DNSTR D-V                           | 30LBA20AA442 | 32UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV TRN2 2ND D-V                             | 30LBA20AA444 | 32UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSRV TRN 2                                    | 30LBA23AA101 | 32UJE29002                              | H                             | M  | RT ES PAM SI                          | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV BYP LN I-V TRN2                          | 30LBA24AA001 | 32UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV BYP LN C-V TRN2                          | 30LBA24AA101 | 32UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV TRN3 UPSTR D-V                           | 30LBA30AA441 | 33UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV TRN3 DNSTR D-V                           | 30LBA30AA442 | 33UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV TRN3 2ND D-V                             | 30LBA30AA444 | 33UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSRV TRN 3                                    | 30LBA33AA101 | 33UJE29002                              | H                             | M  | RT ES PAM SI                          | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV BYP LN I-V TRN3                          | 30LBA34AA001 | 33UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV BYP LN C-V TRN3                          | 30LBA34AA101 | 33UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV TRN4 UPSTR D-V                           | 30LBA40AA441 | 34UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV TRN4 DNSTR D-V                           | 30LBA40AA442 | 34UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV TRN4 2ND D-V                             | 30LBA40AA444 | 34UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSRV TRN 4                                    | 30LBA43AA101 | 34UJE29002                              | H                             | M  | RT ES PAM SI                          | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV BYP LN I-V TRN4                          | 30LBA44AA001 | 34UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| MSIV BYP LN C-V TRN4                          | 30LBA44AA101 | 34UJE29002                              | H                             | M  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5)       |
| P MSL TRN1 ATP                                | 30LBA10CP401 | 31UJE28001                              | H                             | H  |                                       | NS-AQ                    | Y (1)                              | Y (5)       |
| P MSL TRN1 1                                  | 30LBA10CP811 | 31UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5)       |
| P MSL TRN1 2                                  | 30LBA10CP821 | 31UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5)       |
| P MSL TRN1 3                                  | 30LBA10CP831 | 32UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5)       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |
|----------------------------------|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------|
|                                  |               |   |                               |  |                                       |                          | Y (1)                              | Y (5) |
| P MSL TRN1 4                     | 30LBA10CP841  | 32UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 1               | 30LBA10CR811  | 31UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 1               | 30LBA10CR821  | 31UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 1               | 30LBA10CR831  | 31UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 1               | 30LBA10CR841  | 31UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| T MSL TRN1 LOCL                  | 30LBA10CT002  | 31UJE34002                              | H                             | M  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| T MSL TRN1 ATP                   | 30LBA10CT401  | 31UJE28001                              | H                             | H  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| G CLS 1ST MSSV TRN1              | 30LBA11CG191  | 31UJE34002                              | H                             | M  | SI                                    | S 1E                     | Y (1)                              | Y (5) |
| G CLS 2ND MSSV TRN1              | 30LBA12CG191  | 31UJE34002                              | H                             | M  | SI                                    | S 1E                     | Y (1)                              | Y (5) |
| G1 MSRCV TRN1                    | 30LBA13CG807  | 31UJE29002                              | H                             | M  | ES PAM SI                             | S 1E                     | Y (1)                              | Y (5) |
| G2 MSRCV TRN1                    | 30LBA13CG808  | 31UJE29002                              | H                             | M  | ES PAM SI                             | S 1E                     | Y (1)                              | Y (5) |
| G3 MSRCV TRN1                    | 30LBA13CG809  | 31UJE29002                              | H                             | M  | ES PAM SI                             | S 1E                     | Y (1)                              | Y (5) |
| P DNSTR MSRV1 ATP                | 30LBA13CP401  | 31UJE29002                              | H                             | M  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| G MSIV1 BYP LN C-V               | 30LBA14CG101  | 31UJE29002                              | H                             | M  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| P MSL TRN2 ATP                   | 30LBA20CP401  | 31UJE28001                              | H                             | H  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| P MSL TRN2 1                     | 30LBA20CP811  | 31UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5) |
| P MSL TRN2 2                     | 30LBA20CP821  | 31UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5) |
| P MSL TRN2 3                     | 30LBA20CP831  | 32UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5) |
| P MSL TRN2 4                     | 30LBA20CP841  | 32UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 2               | 30LBA20CR811  | 32UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 2               | 30LBA20CR821  | 32UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 2               | 30LBA20CR831  | 32UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 2               | 30LBA20CR841  | 32UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| T MSL TRN2 LOCL                  | 30LBA20CT002  | 32UJE34002                              | H                             | M  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| T MSL TRN2 ATP                   | 30LBA20CT401  | 32UJE28001                              | H                             | H  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| G CLS 1ST MSSV TRN2              | 30LBA21CG191  | 32UJE34002                              | H                             | M  | SI                                    | S 1E                     | Y (1)                              | Y (5) |
| G CLS 2ND MSSV TRN2              | 30LBA22CG191  | 32UJE34002                              | H                             | M  | SI                                    | S 1E                     | Y (1)                              | Y (5) |
| G1 MSRCV TRN2                    | 30LBA23CG807  | 32UJE29002                              | H                             | M  | ES PAM SI                             | S 1E                     | Y (1)                              | Y (5) |
| G2 MSRCV TRN2                    | 30LBA23CG808  | 32UJE29002                              | H                             | M  | ES PAM SI                             | S 1E                     | Y (1)                              | Y (5) |
| G3 MSRCV TRN2                    | 30LBA23CG809  | 32UJE29002                              | H                             | M  | ES PAM SI                             | S 1E                     | Y (1)                              | Y (5) |
| P DNSTR MSRV2 ATP                | 30LBA23CP401  | 32UJE29002                              | H                             | M  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| G MSIV2 BYP LN C-V               | 30LBA24CG101  | 32UJE29002                              | H                             | M  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| P MSL TRN3 ATP                   | 30LBA30CP401  | 33UJE28001                              | H                             | H  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| P MSL TRN3 1                     | 30LBA30CP811  | 33UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5) |
| P MSL TRN3 2                     | 30LBA30CP821  | 33UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5) |
| P MSL TRN3 3                     | 30LBA30CP831  | 34UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5) |
| P MSL TRN3 4                     | 30LBA30CP841  | 34UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 3               | 30LBA30CR811  | 33UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 3               | 30LBA30CR821  | 33UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 3               | 30LBA30CR831  | 33UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 3               | 30LBA30CR841  | 33UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| T MSL TRN3 LOCL                  | 30LBA30CT002  | 33UJE33002                              | H                             | M  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| T MSL TRN3 ATP                   | 30LBA30CT401  | 33UJE28001                              | H                             | H  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| G CLS 1ST MSSV TRN3              | 30LBA31CG191B | 33UJE33002                              | H                             | M  | SI                                    | S 1E                     | Y (1)                              | Y (5) |
| G CLS 2ND MSSV TRN3              | 30LBA32CG191B | 33UJE33002                              | H                             | M  | SI                                    | S 1E                     | Y (1)                              | Y (5) |
| G1 MSRCV TRN3                    | 30LBA33CG807  | 33UJE29002                              | H                             | M  | ES PAM SI                             | S 1E                     | Y (1)                              | Y (5) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)              | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |
|---|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------|
|   |               |   |                               |  |                                       |                          | Y (1)                              | Y (5) |
| G2 MSRCV TRN3                                 | 30LBA33CG808  | 33UJE29002                              | H                             | M  | ES PAM SI                             | S 1E                     | Y (1)                              | Y (5) |
| G3 MSRCV TRN3                                 | 30LBA33CG809  | 33UJE29002                              | H                             | M  | ES PAM SI                             | S 1E                     | Y (1)                              | Y (5) |
| P DNSTR MSRV3 ATP                             | 30LBA33CP401  | 33UJE29002                              | H                             | M  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| G MSIV3 BYP LN C-V                            | 30LBA34CG101  | 33UJE29002                              | H                             | M  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| P MSL TRN4 ATP                                | 30LBA40CP401  | 34UJE28001                              | H                             | H  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| P MSL TRN4 1                                  | 30LBA40CP811  | 33UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5) |
| P MSL TRN4 2                                  | 30LBA40CP821  | 33UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5) |
| P MSL TRN4 3                                  | 30LBA40CP831  | 34UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5) |
| P MSL TRN4 4                                  | 30LBA40CP841  | 34UJE28001                              | H                             | H  | RT ES PAM SI                          | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 4                            | 30LBA40CR811  | 34UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 4                            | 30LBA40CR821  | 34UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 4                            | 30LBA40CR831  | 34UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| N16 ACTY MS LOOP 4                            | 30LBA40CR841  | 34UJE28001                              | H                             | H  | PAM SI                                | S 1E                     | Y (1)                              | Y (5) |
| T MSL TRN4 LOCL                               | 30LBA40CT002  | 34UJE33002                              | H                             | M  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| T MSL TRN4 ATP                                | 30LBA40CT401  | 34UJE28001                              | H                             | H  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| G CLS 1ST MSSV TRN4                           | 30LBA41CG191B | 34UJE33002                              | H                             | M  | SI                                    | S 1E                     | Y (1)                              | Y (5) |
| G CLS 2ND MSSV TRN4                           | 30LBA42CG191B | 34UJE33002                              | H                             | M  | SI                                    | S 1E                     | Y (1)                              | Y (5) |
| G1 MSRCV TRN4                                 | 30LBA43CG807  | 34UJE29002                              | H                             | M  | ES PAM SI                             | S 1E                     | Y (1)                              | Y (5) |
| G2 MSRCV TRN4                                 | 30LBA43CG808  | 34UJE29002                              | H                             | M  | ES PAM SI                             | S 1E                     | Y (1)                              | Y (5) |
| G3 MSRCV TRN4                                 | 30LBA43CG809  | 34UJE29002                              | H                             | M  | ES PAM SI                             | S 1E                     | Y (1)                              | Y (5) |
| P DNSTR MSRV4 ATP                             | 30LBA43CP401  | 34UJE29002                              | H                             | M  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| G MSIV4 BYP LN C-V                            | 30LBA44CG101  | 34UJE29002                              | H                             | M  | SII                                   | NS-AQ                    | Y (1)                              | Y (5) |
| <b>Steam Generator Blowdown System (SGBS)</b> |               |   |                               |  |                                       |                          |                                    |       |
| Hot leg BD I-V motor #1                       | 30LCQ10AA001  | 30UJA15003                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |
| Cold leg BD I-V #1 motor                      | 30LCQ10AA002  | 30UJA15003                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |
| common BD I-V #1 motor                        | 30LCQ10AA003  | 30UJA11018                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |
| SG transfer valve 1<->2 motor                 | 30LCQ10AA012  | 30UJA23004                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| SG#1 BD flowrate control valve motor          | 30LCQ10AA104  | 30UJA11018                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| SG #1 hotleg BD sampling I-V motor            | 30LCQ10AA601  | 30UJA15013                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| SG #1 coldleg BD sampling I-V motor           | 30LCQ10AA602  | 30UJA15013                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| SG1 BD flow rate sensor                       | 30LCQ10CF001  | 30UJA11013                              | H                             | H  | SII                                   | NS-AQ EMC                | Y(1)                               | Y (5) |
| position of SG1 BD flowrate ctrl valve        | 30LCQ10CG104  | 30UJA11018                              | H                             | H  | SII                                   | NS-AQ EMC                | Y(1)                               | Y (5) |
| SG1 BD temperature sensor                     | 30LCQ10CT001  | 30UJA11003                              | H                             | H  | SII                                   | NS-AQ EMC                | Y(1)                               | Y (5) |
| Hot leg BD I-V #2 motor                       | 30LCQ20AA001  | 30UJA15004                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |
| Cold leg BD I-V #2 motor                      | 30LCQ20AA002  | 30UJA15004                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |
| Common BD I-V #2 motor                        | 30LCQ20AA003  | 30UJA11018                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |
| SG#2 BD flowrate control valve motor          | 30LCQ20AA104  | 30UJA11018                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| SG#2 Hot leg BD sampling I-V motor            | 30LCQ20AA601  | 30UJA15014                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| SG#2 cold leg BD sampling I-V motor           | 30LCQ20AA602  | 30UJA15014                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5) |
| SG2 BD flow rate sensor                       | 30LCQ20CF001  | 30UJA11005                              | H                             | H  | SII                                   | NS-AQ EMC                | Y(1)                               | Y (5) |
| Position of SG2 BD flowrate ctrl valve        | 30LCQ20CG104  | 30UJA11018                              | H                             | H  | SII                                   | NS-AQ EMC                | Y(1)                               | Y (5) |
| SG2 BD temperature sensor                     | 30LCQ20CT001  | 30UJA11014                              | H                             | H  | SII                                   | NS-AQ EMC                | Y(1)                               | Y (5) |
| SG#3 hot leg BD I-V motor                     | 30LCQ30AA001  | 30UJA15007                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 55 of 102)

| Name Tag (Equipment Description)                   | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) |        | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|--|---------------|---|-------------------------------|--|---------------------------------------|--------|--------------------------|------------------------------------|-------------|
|  |               |   |                               |  | ES                                    | SI     |                          | Y (1)                              | Y (5)       |
| SG#3 cold leg BD I-V motor                         | 30LCQ30AA002  | 30UJA15007                              | H                             | H  | ES                                    | SI     | S 1E EMC                 | Y (1)                              | Y (5)       |
| SG#3 common BD I-V motor                           | 30LCQ30AA003  | 30UJA11018                              | H                             | H  | ES                                    | SI     | S 1E EMC                 | Y (1)                              | Y (5)       |
| SG transfer I-V 3<->4 #1 motor                     | 30LCQ30AA012  | 30UJA23007                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SG transfer I-V 3<->4 motor                        | 30LCQ30AA012  | 30UJA23007                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SG#3 BD flowrate control valve motor               | 30LCQ30AA104  | 30UJA11018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SG#3 hotleg BD sampling I-V motor                  | 30LCQ30AA601  | 30UJA15015                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SG#3 coldleg BD sampling I-V motor                 | 30LCQ30AA602  | 30UJA15015                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SG3 BD flow rate sensor                            | 30LCQ30CF001  | 30UJA11006                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| Position of SG3 BD flowrate ctrl valve             | 30LCQ30CG104  | 30UJA11018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| SG3 BD temperature sensor                          | 30LCQ30CT001  | 30UJA11007                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| SG#4 hot leg BD I-V motor                          | 30LCQ40AA001  | 30UJA15008                              | H                             | H  | ES                                    | SI     | S 1E EMC                 | Y (1)                              | Y (5)       |
| SG#2 cold leg BD I-V motor                         | 30LCQ40AA002  | 30UJA15008                              | H                             | H  | ES                                    | SI     | S 1E EMC                 | Y (1)                              | Y (5)       |
| SG#4 common BD I-V motor                           | 30LCQ40AA003  | 30UJA11018                              | H                             | H  | ES                                    | SI     | S 1E EMC                 | Y (1)                              | Y (5)       |
| SG#4 BD flowrate control valve motor               | 30LCQ40AA104  | 30UJA11018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SG#4 hot leg BD sampling I-V motor                 | 30LCQ40AA601  | 30UJA15016                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SG#4 cold leg BD sampling I-V motor                | 30LCQ40AA602  | 30UJA15016                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y (1)                              | Y (5)       |
| SG4 BD flow rate sensor                            | 30LCQ40CF001  | 30UJA11008                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| Position of SG4 BD flowrate ctrl valve             | 30LCQ40CG104  | 30UJA11018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| SGBD flash tank level sensor 1                     | 30LCQ50CL001  | 30UJA07018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| SGBD flash tank level sensor 2                     | 30LCQ50CL002  | 30UJA07018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| SGBD flash tank pressure sensor 1                  | 30LCQ50CP001  | 30UJA07018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| SGBD flash tank pressure sensor 2                  | 30LCQ50CP002  | 30UJA07018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| BD demin supply inside C I-V motor                 | 30LCQ51AA002  | 30UJA07015                              | H                             | H  | ES                                    | SI     | S 1E EMC                 | Y (1)                              | Y (5)       |
| BD demin supply outer C I-V motor                  | 30LCQ51AA003  | 34UJH05004                              | M                             | H  | ES                                    | SI     | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| Flash tank drain valve motor                       | 30LCQ51AA401  | 30UJA07018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Flash tank temperature sensor                      | 30LCQ51CT001  | 30UJA07018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| 1stS.SGBD cooler outlet temp sensor #1             | 30LCQ51CT002  | 30UJA07018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| 1stS. SGBD cooler outlet temp sensor #2            | 30LCQ51CT003  | 30UJA07018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| SGBD flash tank drain thermalwell                  | 30LCQ51CT501  | 30UJA07018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| 1stS. SGBD cooler outlet thermalwell               | 30LCQ51CT502  | 30UJA07018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| Thermal well within 1stS. SGBD cooler              | 30LCQ51CT550  | 30UJA07018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| BD flashed steam inner C I-V motor                 | 30LCQ52AA001  | 30UJA34014                              | H                             | H  | ES                                    | SI     | S 1E EMC                 | Y (1)                              | Y (5)       |
| BD flashed steam outer C I-V motor                 | 30LCQ52AA002  | 32UJE34003                              | M                             | M  | ES                                    | SI     | S 1E EMC                 | Y (5)                              | Y (6)       |
| SGBD FT safety valve position                      | 30LCQ52CG191  | 30UJA11018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| Temp sensor downstream SGBD FT safety V.           | 30LCQ52CT100  | 30UJA11018                              | H                             | H  |                                       | SII    | NS-AQ EMC                | Y(1)                               | Y (5)       |
| <b>Chemical &amp; Volume Control System (CVCS)</b> |               |   |                               |  |                                       |        |                          |                                    |             |
| <b>KBA</b>   |               |   |                               |  |                                       |        |                          |                                    |             |
| RCS Pressure Boundary Isolation Valve Ac           | 30KBA10AA001  | 30UJA11002                              | H                             | H  |                                       | SI     | S 1E EMC                 | Y (1)                              | Y (5)       |
| RCS Pressure Boundary Isolation Valve Ac           | 30KBA10AA002  | 30UJA11022                              | H                             | H  |                                       | SI     | S 1E EMC                 | Y (1)                              | Y (5)       |
| #1 HP Reducing Station Control Valve Pos           | 30KBA11CG102  | 30UJA07028                              | H                             | H  |                                       | PAM SI | S 1E EMC                 | Y (1)                              | Y (5)       |
| #2 HP Reducing Station Control Valve Pos           | 30KBA12CG102  | 30UJA07029                              | H                             | H  |                                       | PAM SI | S 1E EMC                 | Y (1)                              | Y (5)       |
| Containment Isolation Valve Actuator               | 30KBA14AA002  | 30UJA07016                              | H                             | H  |                                       | SI     | S 1E EMC                 | Y (1)                              | Y (5)       |
| Containment Isolation Valve Actuator               | 30KBA14AA003  | 30UFA06095                              | M                             | H  |                                       | SI     | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| Letdown Line Flow Transmitter                      | 30KBA14CF751A | 30UFA01084                              | M                             | H  |                                       | PAM SI | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 56 of 102)

| Name Tag (Equipment Description)         | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|--|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|  |               |   |                               |  |                                       |                          |                                    |             |
| Letdown Line Flow Transmitter            | 30KBA14CF751B | 30UFA01084                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Letdown Line Flow Transmitter            | 30KBA14CF752  | 30UFA01084                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LP Reducing Station Control Valve Positi | 30KBA14CG106  | 30UFA06095                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| VCT Level Transmitter                    | 30KBA20CL750  | 30UFA10084                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| VCT Level Transmitter                    | 30KBA20CL751  | 30UFA06084                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| VCT Level Transmitter                    | 30KBA20CL752  | 30UFA10084                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| VCT Boron Dilution Isolation Valve Actua | 30KBA21AA001  | 30UFA06086                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Charging Pump Suction Bor Dil Iso Vlv Ac | 30KBA21AA009  | 30UFA06036                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Letdown Line Boron Dilution Iso Vlv Act  | 30KBA25AA017  | 30UFA10082                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| CHARGING OUTSIDE CONTAINMENT ISOLATION V | 30KBA34AA002  | 30UFA06095                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Charging Line Isolation Valve Actuator   | 30KBA34AA012  | 30UJA11022                              | H                             | H  | SI S                                  | 1E EMC                   | Y(1)                               | Y (5)       |
| Charging Header Flow Control Valve Actua | 30KBA34AA101  | 30UFA01033                              | M                             | M  | PAM SI S                              | 1E EMC                   |                                    | Y (5) Y (6) |
| Charging Pump Discharge Flow Transmitter | 30KBA34CF851A | 30UFA01033                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Charging Pump Discharge Flow Transmitter | 30KBA34CF851B | 30UFA01033                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Charging Pump Discharge Flow Transmitter | 30KBA34CF852A | 30UFA01033                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Charging Pump Discharge Flow Transmitter | 30KBA34CF852B | 30UFA01033                              | M                             | H  | PAM SI S                              | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Boron Concentration Measurement Transmit | 30KBA34CQ857A | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Boron Concentration Measurement Transmit | 30KBA34CQ857B | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Boron Concentration Measurement Transmit | 30KBA34CQ858A | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Boron Concentration Measurement Transmit | 30KBA34CQ858B | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Charging Pump Discharge Temperature Tran | 30KBA34CT857A | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Charging Pump Discharge Temperature Tran | 30KBA34CT857B | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Charging Pump Discharge Temperature Tran | 30KBA34CT858A | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Charging Pump Discharge Temperature Tran | 30KBA34CT858B | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Pressurizer Auxiliary Spray Isolation Va | 30KBA35AA001  | 30UJA11022                              | H                             | H  | SI S                                  | 1E EMC                   | Y(1)                               | Y (5)       |
| <b>JEW</b>                               |               |   |                               |  |                                       |                          |                                    |             |
| RCP Seal Water Injection Outside Cont. I | 30JEW01AA005  | 30UFA06045                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| RCP Seal Water Leakoff Inside Containmen | 30JEW50AA001  | 30UJA07016                              | H                             | H  | ES SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| RCP Seal Water Leakoff Outside Containme | 30JEW50AA002  | 30UFA06045                              | M                             | H  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

**Auxiliary Systems**

| Nuclear Sampling System (NSS)           |              |            |   |   |         |        |       |             |
|---|--------------|------------|---|---|---------|--------|-------|-------------|
| PRESSURIZER SAMPLE VLV ACTUATOR         | 30KUA20AA001 | 30UJB05003 | M | M | SI S    | 1E EMC |       | Y (5) Y (6) |
| PRESSURIZER INNER CONT ISO VLV ACTUATOR | 30KUA20AA002 | 30UJB05003 | M | M | ES SI S | 1E EMC |       | Y (5) Y (6) |
| PRESSURIZER OUTER ISO CONT VLV ACTUATOR | 30KUA20AA003 | 30UFA06095 | M | H | ES SI S | 1E EMC | Y (2) | Y (5) Y (6) |
| RCS CL3 ISO VLV ACTUATOR                | 30KUA30AA002 | 30UJB05003 | M | M | SI S    | 1E EMC |       | Y (5) Y (6) |
| RCS CL3 INNER CONT ISO VLV ACTUATOR     | 30KUA30AA003 | 30UJB05003 | M | M | ES SI S | 1E EMC |       | Y (5) Y (6) |
| RCS CL3 OUTER CONT ISO VLV ACTUATOR     | 30KUA30AA004 | 30UFA06095 | M | H | ES SI S | 1E EMC | Y (2) | Y (5) Y (6) |
| INNER CONT ISO VLV ACTUATOR             | 30KUB10AA001 | 30UJA11016 | H | H | ES SI S | 1E EMC | Y (1) | Y (5)       |
| OUTER CONT ISO VLV ACTUATOR             | 30KUB10AA002 | 30UFA10095 | M | H | ES SI S | 1E EMC | Y (2) | Y (5) Y (6) |
| RCS HL1 ISO VLV ACTUATOR                | 30KUA10AA002 | 30UJA18003 | H | H | SI S    | 1E EMC | Y (1) | Y (5)       |
| RCS HL1 INNER CONT ISO VLV ACTUATOR     | 30KUA10AA003 | 30UJA07016 | H | H | ES SI S | 1E EMC | Y (1) | Y (5)       |
| RCS HL1 OUTER ISO CONT VLV ACTUATOR     | 30KUA10AA004 | 30UFA06045 | M | H | ES SI S | 1E EMC | Y (2) | Y (5) Y (6) |



Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)                    | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|---|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|   |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| CONT ISO VLV OUTSIDE CONT ACTUATOR                  | 30KUL51AA002 | 34UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| CONT ISO VLV CONT ATMO ACTUATOR                     | 30KUL51AA003 | 34UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| CONT ISO VLV ACTUATOR                               | 30KUL52AA002 | 34UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| CONT ISO VLV ACTUATOR                               | 30KUL52AA003 | 34UJH10004                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| <b>Sampling Activity Monitoring Systems (SAMS)</b>  |              |   |                               |                                 |  |                                       |                          |                                    |             |
| Fuel Bldg Ventilation System Gamma Activity Monitor | 30KLK38CR001 | 30UFA29015                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Fuel Bldg Ventilation System Gamma Activity Monitor | 30KLK38CR002 | 30UFA29015                              | M                             | H                               |  | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| Main Control Room Vent Duct Gamma Activity Monitor  | 30KLK65CR001 | 32UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| Main Control Room Vent Duct Gamma Activity Monitor  | 30KLK66CR001 | 32UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| Main Control Room Vent Duct Gamma Activity Monitor  | 30KLK65CR002 | 32UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |
| Main Control Room Vent Duct Gamma Activity Monitor  | 30KLK66CR002 | 32UJK31018                              | M                             | M                               |  | ES SI S                               | 1E EMC                   |                                    | Y (5) Y (6) |

**Emergency Diesel Generator Set (EDG)**

|                                       |           |            |   |   |  |      |        |  |             |
|---------------------------------------|-----------|------------|---|---|--|------|--------|--|-------------|
| Cooling water system valve actuators  | 30XJG10AA | 31UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Cooling water system valve actuators  | 30XJG20AA | 32UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Cooling water system valve actuators  | 30XJG30AA | 33UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Cooling water system valve actuators  | 30XJG40AA | 34UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Fuel oil system valve actuators       | 30XJN10AA | 31UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Fuel oil system pump motors           | 30XJN10AP | 31UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Fuel oil system valve actuators       | 30XJN20AA | 32UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Fuel oil system pump motors           | 30XJN20AP | 32UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Fuel oil system valve actuators       | 30XJN30AA | 33UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Fuel oil system pump motors           | 30XJN30AP | 33UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Fuel oil system valve actuators       | 30XJN40AA | 34UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Fuel oil system pump motors           | 30XJN40AP | 34UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Combustion air system valve actuators | 30XJQ10AA | 31UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Combustion air system valve actuators | 30XJQ20AA | 32UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Combustion air system valve actuators | 30XJQ30AA | 33UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Combustion air system valve actuators | 30XJQ40AA | 34UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Exhaust gas system valve actuators    | 30XJR10AA | 31UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Exhaust gas system valve actuators    | 30XJR20AA | 32UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Exhaust gas system valve actuators    | 30XJR30AA | 33UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Exhaust gas system valve actuators    | 30XJR40AA | 34UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Lube oil system valve actuators       | 30XJV10AA | 31UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Lube oil system valve actuators       | 30XJV20AA | 32UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Lube oil system valve actuators       | 30XJV30AA | 33UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Lube oil system valve actuators       | 30XJV40AA | 34UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Starting air system valve actuators   | 30XJX10AA | 31UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Starting air system valve actuators   | 30XJX20AA | 32UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Starting air system valve actuators   | 30XJX30AA | 33UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| Starting air system valve actuators   | 30XJX40AA | 34UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |
| AC synchronous generator electrical   | 30XKA10AG | 31UBP01001 | M | M |  | SI S | 1E EMC |  | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 58 of 102)

| Name Tag (Equipment Description)                    | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|---|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|   |              |   |                               |  |                                       |                          |                                    |
| AC synchronous generator electrical                 | 30XKA20AG    | 32UBP01001                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| AC synchronous generator electrical                 | 30XKA30AG    | 33UBP01001                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| AC synchronous generator electrical                 | 30XKA40AG    | 34UBP01001                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| <b>Electrical Systems</b>                           |              |   |                               |  |                                       |                          |                                    |
| <b>Class 1E Uninterruptible Power Supply (EUPS)</b> |              |   |                               |  |                                       |                          |                                    |
| 31BGA01 120 V PANELBOARD                            | 31BGA01GW001 | 31UJK18027                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BRA 480 V Bus (MCC)                               | 31BRA00GW001 | 31UJK18027                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BRA 480 V Bus (MCC)                               | 31BRAGW0     | 31UJK18025                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BRU01 Inverter                                    | 31BRU01GU0   | 31UJK14028                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BRU01 Inverter                                    | 31BRU01GU001 | 31UJK14027                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BRW10 AC/DC Converter                             | 31BRW10GR0   | 31UJK18025                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BRW10 AC/DC Converter                             | 31BRW10GR001 | 31UJK18025                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BRW12 AC/DC Converter                             | 31BRW12GR0   | 31UJK18025                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BRW12 AC/DC Converter                             | 31BRW12GR001 | 31UJK18025                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BRW16 AC/DC Converter                             | 31BRW16GR0   | 31UBP10002                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BRW16 AC/DC Converter                             | 31BRW16GR001 | 31UBP10002                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BTD01 Battery                                     | 31BTD01GR0   | 31UJK14028                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BTD01 Battery                                     | 31BTD01GR001 | 31UJK14028                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BTP01 Standby Battery Charger                     | 31BTP01GR0   | 31UJK14028                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BTP01 Battery Charger                             | 31BTP01GR001 | 31UJK14027                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BTP02 Battery Charger                             | 31BTP02GR0   | 31UJK14028                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BTP02 Battery Charger                             | 31BTP02GR001 | 31UJK14027                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BUC 250 VDC Bus (Switchboard)                     | 31BUC00GW001 | 31UJK14027                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BUC 250 VDC Bus (Switchboard)                     | 31BUCGW0     | 31UJK14028                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BUW11 DC/DC Converter                             | 31BUW11GR001 | 31UJK18025                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BUW11 DC/DC Converter                             | 31BUW11GU0   | 31UJK18025                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BUW13 DC/DC Converter                             | 31BUW13GR001 | 31UJK18025                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BUW13 DC/DC Converter                             | 31BUW13GU0   | 31UJK18025                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BUW16 DC/DC Converter                             | 31BUW16GR001 | 31UBP10002                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BUW16 DC/DC Converter                             | 31BUW16GU0   | 31UBP10002                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BGA01 120 V PANELBOARD                            | 32BGA01GW001 | 32UJK18020                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BRA 480 V Bus (MCC)                               | 32BRA00GW001 | 32UJK18020                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BRA 480 V Bus (MCC)                               | 32BRAGW0     | 32UJK18004                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BRU01 Inverter                                    | 32BRU01GU0   | 32UJK22028                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BRU01 Inverter                                    | 32BRU01GU001 | 32UJK22029                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BRW30 AC/DC Converter                             | 32BRW30GR0   | 32UJK18004                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BRW30 AC/DC Converter                             | 32BRW30GR001 | 32UJK18004                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BRW32 AC/DC Converter                             | 32BRW32GR0   | 32UJK18004                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BRW32 AC/DC Converter                             | 32BRW32GR001 | 32UJK18004                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BRW36 AC/DC Converter                             | 32BRW36GR0   | 32UBP10002                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BRW36 AC/DC Converter                             | 32BRW36GR001 | 32UBP10002                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BRW38 AC/DC Converter                             | 32BRW38GR0   | 32UJK18004                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BTD01 Battery                                     | 32BTD01GR0   | 32UJK22028                              | M                             | M  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation   |                  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|----------------------------------|--------------|---|-------------------------------|-------------|------------------|---------------------------------------|--------------------------|------------------------------------|
|                                  |              |   |                               | Environment | Zone<br>(Note 2) |                                       |                          |                                    |
| 32BTD01 Battery                  | 32BTD01GR001 | 32UJK22028                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BTP01 Standby Battery Charger  | 32BTP01GR0   | 32UJK22028                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BTP01 Battery Charger          | 32BTP01GR001 | 32UJK22029                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BTP02 Battery Charger          | 32BTP02GR0   | 32UJK22028                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BTP02 Battery Charger          | 32BTP02GR001 | 32UJK22029                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BUC 250 VDC Bus (Switchboard)  | 32BUC00GW001 | 32UJK22029                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BUC 250 VDC Bus (Switchboard)  | 32BUCGW0     | 32UJK22028                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BUW31 DC/DC Converter          | 32BUW31GR001 | 32UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BUW31 DC/DC Converter          | 32BUW31GU0   | 32UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BUW33 DC/DC Converter          | 32BUW33GR001 | 32UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BUW33 DC/DC Converter          | 32BUW33GU0   | 32UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BUW36 DC/DC Converter          | 32BUW36GR001 | 32UBP10002                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BUW36 DC/DC Converter          | 32BUW36GU0   | 32UBP10002                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BUW37 DC/DC Converter          | 32BUW37GU0   | 32UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BGA01 120 V PANELBOARD         | 33BGA01GW001 | 33UJK18020                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BRA 480 V Bus (MCC)            | 33BRA00GW001 | 33UJK18020                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BRA 480 V Bus (MCC)            | 33BRAGW0     | 33UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BRU01 Inverter                 | 33BRU01GU0   | 33UJK22028                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BRU01 Inverter                 | 33BRU01GU001 | 33UJK22029                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BRW50 AC/DC Converter          | 33BRW50GR0   | 33UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BRW50 AC/DC Converter          | 33BRW50GR001 | 33UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BRW52 AC/DC Converter          | 33BRW52GR0   | 33UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BRW52 AC/DC Converter          | 33BRW52GR001 | 33UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BRW56 AC/DC Converter          | 33BRW56GR0   | 33UBP10002                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BRW56 AC/DC Converter          | 33BRW56GR001 | 33UBP10002                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BRW58 AC/DC Converter          | 33BRW58GR0   | 33UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BTD01 Battery                  | 33BTD01GR0   | 33UJK22028                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BTD01 Battery                  | 33BTD01GR001 | 33UJK22028                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BTP01 Standby Battery Charger  | 33BTP01GR0   | 33UJK22028                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BTP01 Battery Charger          | 33BTP01GR001 | 33UJK22029                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BTP02 Battery Charger          | 33BTP02GR0   | 33UJK22028                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BTP02 Battery Charger          | 33BTP02GR001 | 33UJK22029                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BUC 250 VDC Bus (Switchboard)  | 33BUC00GW001 | 33UJK22029                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BUC 250 VDC Bus (Switchboard)  | 33BUCGW0     | 33UJK22028                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BUW51 DC/DC Converter          | 33BUW51GR001 | 33UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BUW51 DC/DC Converter          | 33BUW51GU0   | 33UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BUW53 DC/DC Converter          | 33BUW53GR001 | 33UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BUW53 DC/DC Converter          | 33BUW53GU0   | 33UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BUW56 DC/DC Converter          | 33BUW56GR001 | 33UBP10002                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BUW56 DC/DC Converter          | 33BUW56GU0   | 33UBP10002                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BUW57 DC/DC Converter          | 33BUW57GU0   | 33UJK18004                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BGA01 120 V PANELBOARD         | 34BGA01GW001 | 34UJK18027                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BRA 480 V Bus (MCC)            | 34BRA00GW001 | 34UJK18027                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BRA 480 V Bus (MCC)            | 34BRAGW0     | 34UJK18026                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BRU01 Inverter                 | 34BRU01GU0   | 34UJK14028                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BRU01 Inverter                 | 34BRU01GU001 | 34UJK14027                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BRW70 AC/DC Converter          | 34BRW70GR0   | 34UJK18025                              | M                             | M           |                  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)     | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|--------------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|                                      |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |
| 34BRW70 AC/DC Converter              | 34BRW70GR001 | 34UJK18025                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BRW72 AC/DC Converter              | 34BRW72GR0   | 34UJK18025                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BRW72 AC/DC Converter              | 34BRW72GR001 | 34UJK18025                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BRW76 AC/DC Converter              | 34BRW76GR0   | 34UBP10002                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BRW76 AC/DC Converter              | 34BRW76GR001 | 34UBP10002                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BTD01 Battery                      | 34BTD01GR0   | 34UJK14028                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BTD01 Battery                      | 34BTD01GR001 | 34UJK14028                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BTP01 Standby Battery Charger      | 34BTP01GR0   | 34UJK14028                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BTP01 Battery Charger              | 34BTP01GR001 | 34UJK14027                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BTP02 Battery Charger              | 34BTP02GR0   | 34UJK14028                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BTP02 Battery Charger              | 34BTP02GR001 | 34UJK14027                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BUC 250 VDC Bus (Switchboard)      | 34BUC00GW001 | 34UJK14027                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BUC 250 VDC Bus (Switchboard)      | 34BUCGW0     | 34UJK14028                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BUW71 DC/DC Converter              | 34BUW71GR001 | 34UJK18025                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BUW71 DC/DC Converter              | 34BUW71GU0   | 34UJK18025                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BUW73 DC/DC Converter              | 34BUW73GR001 | 34UJK18025                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BUW73 DC/DC Converter              | 34BUW73GU0   | 34UJK18025                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BUW76 DC/DC Converter              | 34BUW76GR001 | 34UBP10002                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BUW76 DC/DC Converter              | 34BUW76GU0   | 34UBP10002                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| <b>Emergency Power Supply (EPSS)</b> |              |   |                               |                                 |  |                                       |                          |                                    |
| 34BNB02 480 V Bus (MCC)              | 34BNB02GW0   | 34UJK18026                              | M                             | M                               |  | ES PAM SI S                           | 1E EMC                   | Y (5) Y (6)                        |
| 31BDA 6.9 kV Bus (Switchgear)        | 31BDA01GS0   | 31UJK18026                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BDB 6.9 kV Bus (Switchgear)        | 31BDB01GS0   | 31UJK18027                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BDC 6.9 kV Bus (Switchgear)        | 31BDC01GS0   | 31UJK18026                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BDD 6.9 kV Bus (Switchgear)        | 31BDD01GS0   | 31UQB02001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 31BMA 480 V Bus (Load Center)        | 31BMA01GS0   | 31UJK18026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 31BMB 480 V Bus (Load Center)        | 31BMB01GS0   | 31UJK18027                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BMC 480 V Bus (Load Center)        | 31BMC01GS0   | 31UJK18026                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BMD 480 V Bus (Load Center)        | 31BMD01GS0   | 31UQB02001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 31BNA01 480 V Bus (MCC)              | 31BNA01GW0   | 31UBP05003                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 31BNA02 480 V Bus (MCC)              | 31BNA02GW0   | 31UJK18026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 31BNB01 480 V Bus (MCC)              | 31BNB01GW0   | 31UJK18026                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 31BNB02 480 V Bus (MCC)              | 31BNB02GW0   | 31UJK18026                              | M                             | M                               |  | ES PAM SI S                           | 1E EMC                   | Y (5) Y (6)                        |
| 31BNB03 480 V Bus (MCC)              | 31BNB03GW0   | 31UJK18026                              | M                             | M                               |  | ES PAM SI S                           | 1E EMC                   | Y (5) Y (6)                        |
| 31BNC01 480 V Bus (MCC)              | 31BNC01GW0   | 31UJK18026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 31BND01 480 V Bus (MCC)              | 31BND01GW0   | 31UQB02001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 31BNT01 480V to 480 V (Reg. XFMR)    | 31BNT01GT0   | 31UJK18026                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BDA 6.9 kV Bus (Switchgear)        | 32BDA01GS0   | 32UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BDB 6.9 kV Bus (Switchgear)        | 32BDB01GS0   | 32UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BDD 6.9 kV Bus (Switchgear)        | 32BDD01GS0   | 32UQB02001                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BMA 480 V Bus (Load Center)        | 32BMA01GS0   | 32UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BMB 480 V Bus (Load Center)        | 32BMB01GS0   | 32UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BMD 480 V Bus (Load Center)        | 32BMD01GS0   | 32UQB02001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 32BNA01 480 V Bus (MCC)              | 32BNA01GW0   | 32UBP05003                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)   | Tag Number | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|------------------------------------|------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|                                    |            |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |
| 32BNA02 480 V Bus (MCC)            | 32BNA02GW0 | 32UJK18020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 32BNB01 480 V Bus (MCC)            | 32BNB01GW0 | 32UJK18020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 32BNB02 480 V Bus (MCC)            | 32BNB02GW0 | 32UJK18020                              | M                             | M                               |  | ES PAM SI S                           | 1E EMC                   | Y (5) Y (6)                        |
| 32BNB03 480 V Bus (MCC)            | 32BNB03GW0 | 32UJK18020                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 32BND01 480 V Bus (MCC)            | 32BND01GW0 | 32UQB02001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 34BNB03 480 V Bus (MCC)            | 34BNB03GW0 | 34UJK18026                              | M                             | M                               |  | ES PAM SI S                           | 1E EMC                   | Y (5) Y (6)                        |
| 34BNC01 480 V Bus (MCC)            | 34BNC01GW0 | 34UJK18026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 32BMT01 6.9 kV to 480 V Bus (XFMR) | 32BMT01GT0 | 32UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BMT02 6.9 kV to 480 V Bus (XFMR) | 32BMT02GT0 | 32UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 32BMT04 6.9 kV to 480 V Bus (XFMR) | 32BMT04GT0 | 32UQB02001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 32BNT01 480V to 480 V (Reg. XFMR)  | 32BNT01GT0 | 32UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BDA 6.9 kV Bus (Switchgear)      | 33BDA01GS0 | 33UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BDB 6.9 kV Bus (Switchgear)      | 33BDB01GS0 | 33UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BDD 6.9 kV Bus (Switchgear)      | 33BDD01GS0 | 33UQB02001                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BMA 480 V Bus (Load Center)      | 33BMA01GS0 | 33UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BMB 480 V Bus (Load Center)      | 33BMB01GS0 | 33UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BMD 480 V Bus (Load Center)      | 33BMD01GS0 | 33UQB02001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 33BNA01 480 V Bus (MCC)            | 33BNA01GW0 | 33UBP05003                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 33BNA02 480 V Bus (MCC)            | 33BNA02GW0 | 33UJK18020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 33BNB01 480 V Bus (MCC)            | 33BNB01GW0 | 33UJK18020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 33BNB02 480 V Bus (MCC)            | 33BNB02GW0 | 33UJK18020                              | M                             | M                               |  | ES PAM SI S                           | 1E EMC                   | Y (5) Y (6)                        |
| 33BNB03 480 V Bus (MCC)            | 33BNB03GW0 | 33UJK18020                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 33BND01 480 V Bus (MCC)            | 33BND01GW0 | 33UQB02001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 33BMT01 6.9 kV to 480 V Bus (XFMR) | 33BMT01GT0 | 33UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BMT02 6.9 kV to 480 V Bus (XFMR) | 33BMT02GT0 | 33UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 33BMT04 6.9 kV to 480 V Bus (XFMR) | 33BMT04GT0 | 33UQB02001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 33BNT01 480V to 480 V (Reg. XFMR)  | 33BNT01GT0 | 33UJK18020                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BDA 6.9 kV Bus (Switchgear)      | 34BDA01GS0 | 34UJK18026                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BDB 6.9 kV Bus (Switchgear)      | 34BDB01GS0 | 34UJK18027                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BDC 6.9 kV Bus (Switchgear)      | 34BDC01GS0 | 34UJK18026                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BDD 6.9 kV Bus (Switchgear)      | 34BDD01GS0 | 34UQB02001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 34BMA 480 V Bus (Load Center)      | 34BMA01GS0 | 34UJK18026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 34BMB 480 V Bus (Load Center)      | 34BMB01GS0 | 34UJK18027                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BMC 480 V Bus (Load Center)      | 34BMC01GS0 | 34UJK18026                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BMD 480 V Bus (Load Center)      | 34BMD01GS0 | 34UQB02001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 34BNA01 480 V Bus (MCC)            | 34BNA01GW0 | 34UBP05003                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 34BNA02 480 V Bus (MCC)            | 34BNA02GW0 | 34UJK18026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 34BND01 480 V Bus (MCC)            | 34BND01GW0 | 34UQB02001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 34BNB01 480 V Bus (MCC)            | 34BNB01GW0 | 34UJK18026                              | M                             | M                               |  | ES SI S                               | 1E EMC                   | Y (5) Y (6)                        |
| 34BNT01 480V to 480 V (Reg. XFMR)  | 34BNT01GT0 | 34UJK18026                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BMT01 6.9 kV to 480 V (XFMR)     | 31BMT01GT0 | 31UJK18026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 31BMT02 6.9 kV to 480 V (XFMR)     | 31BMT02GT0 | 31UJK18027                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BMT03 6.9 kV to 480 V (XFMR)     | 31BMT03GT0 | 31UJK18026                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 31BMT04 6.9 kV to 480 V (XFMR)     | 31BMT04GT0 | 31UQB02001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| 34BMT02 6.9 kV to 480 V Bus (XFMR) | 34BMT02GT0 | 34UJK18027                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |
| 34BMT03 6.9 kV to 480 V Bus (XFMR) | 34BMT03GT0 | 34UJK18026                              | M                             | M                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (5) Y (6)                        |

**Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment**

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| Name Tag (Equipment Description)   | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|--|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|  |              |   |                               |  |                                       |                          | Y (5)                              | Y (6)       |
| 34BMT04 6.9 kV to 480 V Bus (XFMR)   | 34BMT04GT0   | 34UQB02001                              | M                             | M  | SI                                    | S                        | 1E EMC                             | Y (5) Y (6) |
| 34BMT01 6.9 kV to 480 V Bus (XFMR)   | 34BMT01GT0   | 34UJK18026                              | M                             | M  | SI                                    | S                        | 1E EMC                             | Y (5) Y (6) |
| <b>Non-Class 1E Uninterruptible Power Supply (NUPS)</b>                                      |              |   |                               |  |                                       |                          |                                    |             |
| As a Result of the EQ Program Screening No Components in this System were Identified for EQ. |              |   |                               |  |                                       |                          |                                    |             |
| <b>Lighting &amp; Small Power System (LGT)</b>   |              |   |                               |  |                                       |                          |                                    |             |
| 31BGT01 480 V to 120 V Transformer   | 31BGT01GW001 | 31UJK18027                              | M                             | M  | RT ES PAM SI                          | S                        | 1E EMC                             | Y (5) Y (6) |
| 32BGT01 480 V to 120 V Transformer   | 32BGT01GW001 | 32UJK18020                              | M                             | M  | RT ES PAM SI                          | S                        | 1E EMC                             | Y (5) Y (6) |
| 33BGT01 480 V to 120 V Transformer   | 33BGT01GW001 | 33UJK18020                              | M                             | M  | RT ES PAM SI                          | S                        | 1E EMC                             | Y (5) Y (6) |
| 34BGT01 480 V to 120 V Transformer   | 34BGT01GW001 | 34UJK18027                              | M                             | M  | RT ES PAM SI                          | S                        | 1E EMC                             | Y (5) Y (6) |
| <b>Normal Power Supply (NPSS)</b>  |              |   |                               |  |                                       |                          |                                    |             |
| As a Result of the EQ Program Screening No Components in this System were Identified for EQ. |              |   |                               |  |                                       |                          |                                    |             |
| <b>12-Hour Uninterruptible Power Supply (12UPS)</b>  |              |   |                               |  |                                       |                          |                                    |             |
| As a Result of the EQ Program Screening No Components in this System were Identified for EQ. |              |   |                               |  |                                       |                          |                                    |             |
| <b>Instrumentation and Control Systems</b>   |              |   |                               |  |                                       |                          |                                    |             |
| <b>Protection System (PS)</b>  |              |   |                               |  |                                       |                          |                                    |             |
| PS Division 1 Cabinets   | 30CLE        | 31UJK18025                              | M                             | M  | RT ES PAM SI                          | S                        | 1E EMC                             | Y (5) Y (6) |
| PS Division 2 Cabinets   | 30CLF        | 32UJK18004                              | M                             | M  | RT ES PAM SI                          | S                        | 1E EMC                             | Y (5) Y (6) |
| PS Division 3 Cabinets   | 30CLG        | 33UJK18004                              | M                             | M  | RT ES PAM SI                          | S                        | 1E EMC                             | Y (5) Y (6) |
| PS Division 4 Cabinets   | 30CLH        | 34UJK18025                              | M                             | M  | RT ES PAM SI                          | S                        | 1E EMC                             | Y (5) Y (6) |
| <b>Safety Automation System (SAS)</b>  |              |   |                               |  |                                       |                          |                                    |             |
| SAS Cabinets Division 1  | 30DRA1       | 31UJK18025                              | M                             | M  | ES PAM SI                             | S                        | 1E EMC                             | Y (5) Y (6) |
| SAS Cabinets Division 2  | 30DRA2       | 32UJK18004                              | M                             | M  | ES PAM SI                             | S                        | 1E EMC                             | Y (5) Y (6) |
| SAS Cabinets Division 3  | 30DRA3       | 33UJK18004                              | M                             | M  | ES PAM SI                             | S                        | 1E EMC                             | Y (5) Y (6) |
| SAS Cabinets Division 4  | 30DRA4       | 34UJK18025                              | M                             | M  | ES PAM SI                             | S                        | 1E EMC                             | Y (5) Y (6) |
| <b>Priority &amp; Actuator Control System (PACS)</b>   |              |   |                               |  |                                       |                          |                                    |             |
| PACS Division 1 Cabinets   | 30CLE6       | 31UJK18025                              | M                             | M  | ES PAM SI                             | S                        | 1E EMC                             | Y (5) Y (6) |
| PACS Division 2 Cabinets   | 30CLF6       | 32UJK18004                              | M                             | M  | ES PAM SI                             | S                        | 1E EMC                             | Y (5) Y (6) |
| PACS Division 3 Cabinets   | 30CLG6       | 33UJK18004                              | M                             | M  | ES PAM SI                             | S                        | 1E EMC                             | Y (5) Y (6) |
| PACS Division 4 Cabinets   | 30CLH6       | 34UJK18025                              | M                             | M  | ES PAM SI                             | S                        | 1E EMC                             | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)                      | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |
|---|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------|
|   |              |   |                               |  |                                       |                          |                                    |       |
| <b>Safety Information &amp; Control System (SICS)</b> |              |   |                               |  |                                       |                          |                                    |       |
| SICS Cabinets Division 1                              | 30CWY1       | 31UJK18025                              | M                             | M  | ES PAM SI                             | S 1E EMC                 | Y (5)                              | Y (6) |
| SICS Cabinets Division 2                              | 30CWY2       | 32UJK18004                              | M                             | M  | ES PAM SI                             | S 1E EMC                 | Y (5)                              | Y (6) |
| SICS Cabinets Division 3                              | 30CWY3       | 33UJK18004                              | M                             | M  | ES PAM SI                             | S 1E EMC                 | Y (5)                              | Y (6) |
| SICS Cabinets Division 4                              | 30CWY4       | 34UJK18025                              | M                             | M  | ES PAM SI                             | S 1E EMC                 | Y (5)                              | Y (6) |
| SICS Cabinets MCR                                     | N/A          | 32UJK26030                              | M                             | M  | ES PAM SI                             | S 1E EMC                 | Y (5)                              | Y (6) |
| SICS Cabinets RSS                                     | N/A          | 33UJK22030                              | M                             | M  | ES PAM SI                             | S 1E EMC                 | Y (5)                              | Y (6) |
| SICS QDS Units MCR                                    | N/A          | 32UJK26030                              | M                             | M  | ES PAM SI                             | S 1E EMC                 | Y (5)                              | Y (6) |
| SICS QDS Units RSS                                    | N/A          | 33UJK22030                              | M                             | M  | ES PAM SI                             | S 1E EMC                 | Y (5)                              | Y (6) |
| Reactor Trip Button Division 1                        | 30JRE00CH100 | 32UJK26030                              | M                             | M  | RT SI                                 | S 1E EMC                 | Y (5)                              | Y (6) |
| Reactor Trip Button Division 2                        | 30JRF00CH100 | 32UJK26030                              | M                             | M  | RT SI                                 | S 1E EMC                 | Y (5)                              | Y (6) |
| Reactor Trip Button Division 3                        | 30JRG00CH100 | 32UJK26030                              | M                             | M  | RT SI                                 | S 1E EMC                 | Y (5)                              | Y (6) |
| Reactor Trip Button Division 4                        | 30JRH00CH100 | 32UJK26030                              | M                             | M  | RT SI                                 | S 1E EMC                 | Y (5)                              | Y (6) |
| <b>Incore Instrumentation System (ICIS)</b>           |              |   |                               |  |                                       |                          |                                    |       |
| SPND Conditioning Cabinet (Div 1)                     | 30CLE12GH001 | 31UJK18025                              | M                             | M  | RT SI                                 | S 1E EMC                 | Y (5)                              | Y (6) |
| SPND Conditioning Cabinet (Div 1)                     | 30CLE15GH    | 31UJK18025                              | M                             | M  | RT SI                                 | S 1E EMC                 | Y (5)                              | Y (6) |
| SPND Conditioning Cabinet (Div 2)                     | 30CLF12GH002 | 32UJK18004                              | M                             | M  | RT SI                                 | S 1E EMC                 | Y (5)                              | Y (6) |
| SPND Conditioning Cabinet (Div 2)                     | 30CLF15GH    | 32UJK18004                              | M                             | M  | RT SI                                 | S 1E EMC                 | Y (5)                              | Y (6) |
| SPND Conditioning Cabinet (Div 3)                     | 30CLG12GH003 | 33UJK18004                              | M                             | M  | RT SI                                 | S 1E EMC                 | Y (5)                              | Y (6) |
| SPND Conditioning Cabinet (Div 3)                     | 30CLG15GH    | 33UJK18004                              | M                             | M  | RT SI                                 | S 1E EMC                 | Y (5)                              | Y (6) |
| SPND Conditioning Cabinet (Div 4)                     | 30CLH12GH004 | 34UJK18025                              | M                             | M  | RT SI                                 | S 1E EMC                 | Y (5)                              | Y (6) |
| SPND Conditioning Cabinet (Div 4)                     | 30CLH15GH    | 34UJK18025                              | M                             | M  | RT SI                                 | S 1E EMC                 | Y (5)                              | Y (6) |
| AMS Computer Cabinet                                  | 30CNC01GH004 | 32UJK26002                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5)                              | Y (6) |
| AMS Control Cabinet                                   | 30CNN01GH001 | 30UA23042                               | H                             | H  | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| AMS Load Cabinet                                      | 30CNN02GH002 | 30UA23042                               | H                             | H  | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| AMS Instrumentation Cabinet                           | 30CNN03GH003 | 30UA23041                               | H                             | H  | SI                                    | S 1E EMC                 | Y (1)                              | Y (5) |
| Position L17 (Dome Middle)                            | 30JKS10CT091 | 30UA15001                               | H                             | H  | PAM SII                               | NS-AQ EMC                | Y (1)                              | Y (5) |
| Position L17 (Dome Bottom)                            | 30JKS10CT092 | 30UA15001                               | H                             | H  | PAM SII                               | NS-AQ EMC                | Y (1)                              | Y (5) |
| Core Outlet Thermocouple                              | 30JKS11CT821 | 30UA11001                               | H                             | H  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5) |
| Core Outlet Thermocouple                              | 30JKS11CT822 | 30UA11001                               | H                             | H  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5) |
| Core Outlet Thermocouple                              | 30JKS11CT823 | 30UA11001                               | H                             | H  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5) |
| Self-Powered Neutron Detector                         | 30JKS11CX821 | 30UA11001                               | H                             | H  | RT SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |
| Self-Powered Neutron Detector                         | 30JKS11CX822 | 30UA11001                               | H                             | H  | RT SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |
| Self-Powered Neutron Detector                         | 30JKS11CX823 | 30UA11001                               | H                             | H  | RT SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |
| Self-Powered Neutron Detector                         | 30JKS11CX824 | 30UA11001                               | H                             | H  | RT SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |
| Self-Powered Neutron Detector                         | 30JKS11CX825 | 30UA11001                               | H                             | H  | RT SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |
| Self-Powered Neutron Detector                         | 30JKS11CX826 | 30UA11001                               | H                             | H  | RT SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |
| Core Outlet Thermocouple                              | 30JKS12CT841 | 30UA11001                               | H                             | H  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5) |
| Core Outlet Thermocouple                              | 30JKS12CT842 | 30UA11001                               | H                             | H  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5) |
| Core Outlet Thermocouple                              | 30JKS12CT843 | 30UA11001                               | H                             | H  | PAM SI                                | S 1E EMC                 | Y (1)                              | Y (5) |
| Self-Powered Neutron Detector                         | 30JKS12CX841 | 30UA11001                               | H                             | H  | RT SI                                 | S 1E EMC                 | Y (1)                              | Y (5) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |    | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|----------------------------------|--------------|---|-------------------------------|---------------------------------|----|---------------------------------------|--------------------------|------------------------------------|
|                                  |              |   |                               | Environment<br>Zone<br>(Note 2) |    |                                       |                          |                                    |
| Self-Powered Neutron Detector    | 30JKS12CX842 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS12CX843 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS12CX844 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS12CX845 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS12CX846 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS13CT821 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS13CT822 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS13CT823 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS13CX821 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS13CX822 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS13CX823 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS13CX824 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS13CX825 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS13CX826 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS14CT841 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS14CT842 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS14CT843 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS14CX841 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS14CX842 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS14CX843 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS14CX844 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS14CX845 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS14CX846 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS15CT821 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS15CT822 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS15CT823 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS15CX821 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS15CX822 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS15CX823 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS15CX824 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS15CX825 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS15CX826 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS16CT811 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS16CT812 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS16CT813 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS16CX811 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS16CX812 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS16CX813 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS16CX814 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS16CX815 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS16CX816 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS21CT811 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS21CT812 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS21CT813 | 30UJA11001                              | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS21CX811 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS21CX812 | 30UJA11001                              | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |



Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |    | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|----------------------------------|--------------|---|-------------------------------|---------------------------------|----|---------------------------------------|--------------------------|------------------------------------|
|                                  |              |   |                               | Environment<br>Zone<br>(Note 2) |    |                                       |                          |                                    |
| Self-Powered Neutron Detector    | 30JKS21CX813 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS21CX814 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS21CX815 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS21CX816 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS22CT831 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS22CT832 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS22CT833 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS22CX831 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS22CX832 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS22CX833 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS22CX834 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS22CX835 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS22CX836 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Position G1 (Dome Middle)        | 30JKS30CT091 | 30UA15001                               | H                             | H                               |    | PAM SII NS-AQ                         | EMC                      | Y (1) Y (5)                        |
| Position G1 (Dome Bottom)        | 30JKS30CT092 | 30UA15001                               | H                             | H                               |    | PAM SII NS-AQ                         | EMC                      | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS31CT831 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS31CT832 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS31CT833 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS31CX831 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS31CX832 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS31CX833 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS31CX834 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS31CX835 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS31CX836 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS32CT841 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS32CT842 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS32CT843 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS32CX841 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS32CX842 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS32CX843 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS32CX844 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS32CX845 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS32CX846 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS41CT811 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS41CT812 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS41CT813 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS41CX811 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS41CX812 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS41CX813 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS41CX814 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS41CX815 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS41CX816 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS42CT831 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS42CT832 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Core Outlet Thermocouple         | 30JKS42CT833 | 30UA11001                               | H                             | H                               |    | PAM SI S                              | 1E EMC                   | Y (1) Y (5)                        |
| Self-Powered Neutron Detector    | 30JKS42CX831 | 30UA11001                               | H                             | H                               | RT | SI S                                  | 1E EMC                   | Y (1) Y (5)                        |

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| Name Tag (Equipment Description)                                | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|---|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|   |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| Self-Powered Neutron Detector                                   | 30JKS42CX832 | 30UJA11001                              | H                             | H                               |  | RT SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| Self-Powered Neutron Detector                                   | 30JKS42CX833 | 30UJA11001                              | H                             | H                               |  | RT SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| Self-Powered Neutron Detector                                   | 30JKS42CX834 | 30UJA11001                              | H                             | H                               |  | RT SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| Self-Powered Neutron Detector                                   | 30JKS42CX835 | 30UJA11001                              | H                             | H                               |  | RT SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| Self-Powered Neutron Detector                                   | 30JKS42CX836 | 30UJA11001                              | H                             | H                               |  | RT SI S                               | 1E EMC                   | Y (1)                              | Y (5)       |
| Position J7 (Dome Top)  | 30JKS50CT091 | 30UJA15001                              | H                             | H                               |  | PAM SII NS-AQ                         | EMC                      | Y (1)                              | Y (5)       |
| Coordinate in Core: P16   | 30JKQ11BZ501 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Coordinate in Core: T7  | 30JKQ12BZ502 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Coordinate in Core: S4  | 30JKQ13BZ503 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Coordinate in Core: D2  | 30JKQ14BZ501 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Coordinate in Core: A11   | 30JKQ15BZ502 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Coordinate in Core: B14   | 30JKQ16BZ503 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Coordinate in Core: P2  | 30JKQ21BZ504 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Coordinate in Core: D16   | 30JKQ22BZ504 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Coordinate in Core: L1  | 30JKQ31BZ505 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Coordinate in Core: G17   | 30JKQ32BZ505 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Coordinate in Core: T11   | 30JKQ41BZ506 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Coordinate in Core: A7  | 30JKQ42BZ506 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| <b>Excore Instrumentation System (EIS)</b>                      |              |   |                               |                                 |  |                                       |                          |                                    |             |
| Source Range Detector   | 30JKT01CX851 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Source Range Detector   | 30JKT01CX852 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Source Range Detector   | 30JKT01CX853 | 30UJA11001                              | H                             | H                               |  | SI S                                  | 1E EMC                   | Y (1)                              | Y (5)       |
| Intermediate Range Detector                                     | 30JKT02CX851 | 30UJA11001                              | H                             | H                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (1)                              | Y (5)       |
| Intermediate Range Detector                                     | 30JKT02CX852 | 30UJA11001                              | H                             | H                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (1)                              | Y (5)       |
| Intermediate Range Detector                                     | 30JKT02CX853 | 30UJA11001                              | H                             | H                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (1)                              | Y (5)       |
| Intermediate Range Detector                                     | 30JKT02CX854 | 30UJA11001                              | H                             | H                               |  | RT ES PAM SI S                        | 1E EMC                   | Y (1)                              | Y (5)       |
| Top Power Range Detector  | 30JKT03CX851 | 30UJA11001                              | H                             | H                               |  | RT ES SI S                            | 1E EMC                   | Y (1)                              | Y (5)       |
| Top Power Range Detector  | 30JKT03CX852 | 30UJA11001                              | H                             | H                               |  | RT ES SI S                            | 1E EMC                   | Y (1)                              | Y (5)       |
| Top Power Range Detector  | 30JKT03CX853 | 30UJA11001                              | H                             | H                               |  | RT ES SI S                            | 1E EMC                   | Y (1)                              | Y (5)       |
| Top Power Range Detector  | 30JKT03CX854 | 30UJA11001                              | H                             | H                               |  | RT ES SI S                            | 1E EMC                   | Y (1)                              | Y (5)       |
| Bottom Power Range Detector                                     | 30JKT03CX855 | 30UJA11001                              | H                             | H                               |  | RT ES SI S                            | 1E EMC                   | Y (1)                              | Y (5)       |
| Bottom Power Range Detector                                     | 30JKT03CX856 | 30UJA11001                              | H                             | H                               |  | RT ES SI S                            | 1E EMC                   | Y (1)                              | Y (5)       |
| Bottom Power Range Detector                                     | 30JKT03CX857 | 30UJA11001                              | H                             | H                               |  | RT ES SI S                            | 1E EMC                   | Y (1)                              | Y (5)       |
| Bottom Power Range Detector                                     | 30JKT03CX858 | 30UJA11001                              | H                             | H                               |  | RT ES SI S                            | 1E EMC                   | Y (1)                              | Y (5)       |
| <b>Reactor Pressure Vessel Level Measurement System (RPVLM)</b> |              |   |                               |                                 |  |                                       |                          |                                    |             |
| RPVL Conditioning Cabinet (Div 1)                               | 30CLE14GH001 | 31UJK18025                              | M                             | M                               |  | PAM SI S                              | 1E EMC                   |                                    | Y (5) Y (6) |
| RPVL Conditioning Cabinet (Div 2)                               | 30CLF14GH002 | 32UJK18004                              | M                             | M                               |  | PAM SI S                              | 1E EMC                   |                                    | Y (5) Y (6) |
| RPVL Conditioning Cabinet (Div 3)                               | 30CLG14GH003 | 33UJK18004                              | M                             | M                               |  | PAM SI S                              | 1E EMC                   |                                    | Y (5) Y (6) |
| RPVL Conditioning Cabinet (Div 4)                               | 30CLH14GH004 | 34UJK18025                              | M                             | M                               |  | PAM SI S                              | 1E EMC                   |                                    | Y (5) Y (6) |
| Position L17 (Top sensor)                                       | 30JKS10CL001 | 30UJA11001                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5)       |
| Position L17 (Middle sensor)                                    | 30JKS10CL002 | 30UJA11001                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5)       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)                | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|---|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|   |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| Position L17 (Bottom sensor)                    | 30JKS10CL003 | 30UJA11001                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5)       |
| Position S14 (Top sensor)                       | 30JKS20CL001 | 30UJA11001                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5)       |
| Position S14 (Middle sensor)                    | 30JKS20CL002 | 30UJA11001                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5)       |
| Position S14 (Bottom sensor)                    | 30JKS20CL003 | 30UJA11001                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5)       |
| Position G1 (Top sensor)                        | 30JKS30CL001 | 30UJA11001                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5)       |
| Position G1 (Middle sensor)                     | 30JKS30CL002 | 30UJA11001                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5)       |
| Position G1 (Bottom sensor)                     | 30JKS30CL003 | 30UJA11001                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5)       |
| Position B4 (Top sensor)                        | 30JKS40CL001 | 30UJA11001                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5)       |
| Position B4 (Middle sensor)                     | 30JKS40CL002 | 30UJA11001                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5)       |
| Position B4 (Bottom sensor)                     | 30JKS40CL003 | 30UJA11001                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5)       |
| <b>Control Rod Drive Control System (CRDCS)</b> |              |   |                               |                                 |  |                                       |                          |                                    |             |
| CONTACTOR MODULE                                | 34BUA10BZ001 | 34UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 34BUA11BZ001 | 34UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 34BUA12BZ001 | 34UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 31BUA1BZ001  | 31UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 31BUA2BZ001  | 31UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 31BUA3BZ001  | 31UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 31BUA4BZ001  | 31UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 31BUA5BZ001  | 31UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 31BUA6BZ001  | 31UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 31BUA7BZ001  | 31UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 31BUA8BZ001  | 31UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 31BUA9BZ001  | 31UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 31BUA10BZ001 | 31UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 31BUA11BZ001 | 31UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 34BUA1BZ001  | 34UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 34BUA2BZ001  | 34UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 34BUA3BZ001  | 34UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 34BUA4BZ001  | 34UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 34BUA5BZ001  | 34UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 34BUA6BZ001  | 34UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 34BUA7BZ001  | 34UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 34BUA8BZ001  | 34UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| CONTACTOR MODULE                                | 34BUA9BZ001  | 34UJK18027                              | M                             | M                               |  | RT ES SI S                            | 1E EMC                   |                                    | Y (5) Y (6) |
| <b>Hydrogen Monitoring System (HCMS)</b>        |              |   |                               |                                 |  |                                       |                          |                                    |             |
| H2 SENSOR UJA                                   | 30JMU10CQ001 | 30UJA40001                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y(5)        |
| H2 SENSOR UJA                                   | 30JMU10CQ002 | 30UJA34019                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y(5)        |
| H2 SENSOR UJA                                   | 30JMU10CQ003 | 30UJA34003                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y(5)        |
| H2 SENSOR UJA                                   | 30JMU10CQ004 | 30UJA29014                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y(5)        |
| H2 SENSOR UJA                                   | 30JMU10CQ005 | 30UJA23008                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y(5)        |
| H2 SENSOR UJA                                   | 30JMU10CQ006 | 30UJA29013                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y(5)        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|----------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                  |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          | Y (1)                              | Y (5)       |
| H2 SENSOR UJA                    | 30JMU10CQ007 | 30UJA29014                              | H                             | H                               |  | PAM SI S                              | 1E EMC                   | Y (1)                              | Y (5)       |
| CABINET HEATER                   | 30JMU50AH010 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| CABINET HEATER                   | 30JMU51AH010 | 31UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| H2 SENSOR UFA                    | 30JMU20CQ001 | 30UFA10082                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| H2 SENSOR UFA                    | 30JMU20CQ002 | 30UFA10082                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| H2 SENSOR UFA                    | 30JMU20CQ003 | 30UFA10082                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| H2 SENSOR UFA                    | 30JMU20CQ004 | 30UFA13085                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| H2 SENSOR UFA                    | 30JMU20CQ005 | 30UFA13085                              | M                             | H                               |  | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| P DNSTR MOIST SENR               | 30JMU50CP001 | 31UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| P AT VACUUM TANK                 | 30JMU50CP002 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| N2 SUP UPSTR P REDU              | 30JMU50CP501 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| N2 SUP DNSTR P REDU              | 30JMU50CP502 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| LOCL P AT BATT P REDU            | 30JMU50CP503 | 34UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| LOCL P AT BATT P REDU            | 30JMU50CP504 | 34UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| LOCL P AT BATT P REDU            | 30JMU50CP505 | 34UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| P AT P REDU                      | 30JMU50CP512 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| P DNSTR SENSORS                  | 30JMU50CP513 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| P AT P REDU                      | 30JMU50CP514 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| P AT P REDU                      | 30JMU50CP515 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| H2 CONC *UJA*                    | 30JMU50CQ001 | 34UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| H2 CONC *UJA*                    | 30JMU50CQ002 | 34UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| H2 CONC *UJA*                    | 30JMU50CQ003 | 34UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| H2 CONC *UJA*                    | 30JMU50CQ004 | 34UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| MOISTURE SENSOR                  | 30JMU50CQ010 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| MOIST CONC *UJA*                 | 30JMU50CQ011 | 34UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| MOIST CONC *UJA*                 | 30JMU50CQ012 | 34UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| MOIST CONC *UJA*                 | 30JMU50CQ013 | 34UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| MOIST CONC *UJA*                 | 30JMU50CQ014 | 34UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| H2 SENSOR                        | 30JMU50CQ020 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| T CABINET HEATING                | 30JMU50CT010 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| T CABINET HEATING                | 30JMU50CT011 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| T AT H2 SENSOR                   | 30JMU50CT012 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| T AT TEST VESSEL                 | 30JMU50CT013 | 34UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| P DNSTR MOIST SENR               | 30JMU51CP001 | 31UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| P AT VACUUM TANK                 | 30JMU51CP002 | 31UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| N2 SUP UPSTR P REDU              | 30JMU51CP501 | 31UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| N2 SUP DNSTR P REDU              | 30JMU51CP502 | 31UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| LOCL P AT BATT P REDU            | 30JMU51CP503 | 31UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| LOCL P AT BATT P REDU            | 30JMU51CP504 | 31UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| LOCL P AT BATT P REDU            | 30JMU51CP505 | 31UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| P AT P REDU                      | 30JMU51CP512 | 31UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| P DNSTR SENSORS                  | 30JMU51CP513 | 31UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| P AT P REDU                      | 30JMU51CP514 | 31UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| P AT P REDU                      | 30JMU51CP515 | 31UJH10010                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| H2 CONC *UJA*                    | 30JMU51CQ001 | 31UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |
| H2 CONC *UJA*                    | 30JMU51CQ002 | 31UJH10011                              | M                             | H                               |  | PAM SII NS-AQ                         |                          | Y (2)                              | Y (5)       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)         | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |        |        | EQ Program Designation<br>(Note 5) |                |
|--|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|--------|--------|------------------------------------|----------------|
|  |              |   |                               |  |                                       |                          |        |        |                                    |                |
| H2 CONC *UJA*                            | 30JMU51CQ003 | 31UJH10011                              | M                             | H  | PAM SII                               | NS-AQ                    |        |        | Y(2)                               | Y(5)           |
| H2 CONC *UJA*                            | 30JMU51CQ004 | 31UJH10011                              | M                             | H  | PAM SII                               | NS-AQ                    |        |        | Y(2)                               | Y(5)           |
| MOISTURE SENSOR                          | 30JMU51CQ010 | 31UJH10010                              | M                             | H  | PAM SII                               | NS-AQ                    |        |        | Y(2)                               | Y(5)           |
| MOIST CONC *UJA*                         | 30JMU51CQ011 | 31UJH10011                              | M                             | H  | PAM SII                               | NS-AQ                    |        |        | Y(2)                               | Y(5)           |
| MOIST CONC *UJA*                         | 30JMU51CQ012 | 31UJH10011                              | M                             | H  | PAM SII                               | NS-AQ                    |        |        | Y(2)                               | Y(5)           |
| MOIST CONC *UJA*                         | 30JMU51CQ013 | 31UJH10011                              | M                             | H  | PAM SII                               | NS-AQ                    |        |        | Y(2)                               | Y(5)           |
| MOIST CONC *UJA*                         | 30JMU51CQ014 | 31UJH10011                              | M                             | H  | PAM SII                               | NS-AQ                    |        |        | Y(2)                               | Y(5)           |
| H2 SENSOR                                | 30JMU51CQ020 | 31UJH10010                              | M                             | H  | PAM SII                               | NS-AQ                    |        |        | Y(2)                               | Y(5)           |
| T CABINET HEATING                        | 30JMU51CT010 | 31UJH10010                              | M                             | H  | PAM SII                               | NS-AQ                    |        |        | Y(2)                               | Y(5)           |
| T CABINET HEATING                        | 30JMU51CT011 | 31UJH10010                              | M                             | H  | PAM SII                               | NS-AQ                    |        |        | Y(2)                               | Y(5)           |
| T AT H2 SENSOR                           | 30JMU51CT012 | 31UJH10010                              | M                             | H  | PAM SII                               | NS-AQ                    |        |        | Y(2)                               | Y(5)           |
| T AT TEST VESSEL                         | 30JMU51CT013 | 31UJH10010                              | M                             | H  | PAM SII                               | NS-AQ                    |        |        | Y(2)                               | Y(5)           |
| H2 ISOLATION VALVE UJA                   | 30JMU50AA001 | 30UJA11016                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y(1)   |                                    | Y(5)           |
| H2 ISOLATION VALVE UJH                   | 30JMU50AA002 | 34UJH10011                              | M                             | H  | PAM SI                                | S                        | 1E EMC |        | Y(2)                               | Y(5) Y(6)      |
| H2 ISOLATION VALVE UJA                   | 30JMU50AA003 | 30UJA11016                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y(1)   |                                    | Y(5)           |
| H2 ISOLATION VALVE UJH                   | 30JMU50AA004 | 34UJH10011                              | M                             | H  | PAM SI                                | S                        | 1E EMC |        | Y(2)                               | Y(5) Y(6)      |
| H2 ISOLATION VALVE UJA                   | 30JMU50AA005 | 30UJA11016                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y(1)   |                                    | Y(5)           |
| H2 ISOLATION VALVE UJH                   | 30JMU50AA006 | 34UJH10011                              | M                             | H  | PAM SI                                | S                        | 1E EMC |        | Y(2)                               | Y(5) Y(6)      |
| H2 ISOLATION VALVE UJA                   | 30JMU50AA007 | 30UJA11016                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y(1)   |                                    | Y(5)           |
| H2 ISOLATION VALVE UJH                   | 30JMU50AA008 | 34UJH10011                              | M                             | H  | PAM SI                                | S                        | 1E EMC |        | Y(2)                               | Y(5) Y(6)      |
| H2 ISOLATION VALVE UJH                   | 30JMU50AA009 | 34UJH10011                              | M                             | H  | PAM SI                                | S                        | 1E EMC |        | Y(2)                               | Y(5) Y(6)      |
| H2 ISOLATION VALVE UJA                   | 30JMU50AA010 | 30UJA11016                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y(1)   |                                    | Y(5)           |
| H2 ISOLATION VALVE UJA                   | 30JMU51AA011 | 30UJA11013                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y(1)   |                                    | Y(5)           |
| H2 ISOLATION VALVE UJH                   | 30JMU51AA012 | 31UJH10011                              | M                             | H  | PAM SI                                | S                        | 1E EMC |        | Y(2)                               | Y(5) Y(6)      |
| H2 ISOLATION VALVE UJA                   | 30JMU51AA013 | 30UJA11013                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y(1)   |                                    | Y(5)           |
| H2 ISOLATION VALVE UJH                   | 30JMU51AA014 | 31UJH10011                              | M                             | H  | PAM SI                                | S                        | 1E EMC |        | Y(2)                               | Y(5) Y(6)      |
| H2 ISOLATION VALVE UJA                   | 30JMU51AA015 | 30UJA11013                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y(1)   |                                    | Y(5)           |
| H2 ISOLATION VALVE UJH                   | 30JMU51AA016 | 31UJH10011                              | M                             | H  | PAM SI                                | S                        | 1E EMC |        | Y(2)                               | Y(5) Y(6)      |
| H2 ISOLATION VALVE UJA                   | 30JMU51AA017 | 30UJA11013                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y(1)   |                                    | Y(5)           |
| H2 ISOLATION VALVE UJH                   | 30JMU51AA018 | 31UJH10011                              | M                             | H  | PAM SI                                | S                        | 1E EMC |        | Y(2)                               | Y(5) Y(6)      |
| H2 ISOLATION VALVE UJH                   | 30JMU51AA019 | 31UJH10011                              | M                             | H  | PAM SI                                | S                        | 1E EMC |        | Y(2)                               | Y(5) Y(6)      |
| H2 ISOLATION VALVE UJA                   | 30JMU51AA020 | 30UJA11013                              | H                             | H  | PAM SI                                | S                        | 1E EMC | Y(1)   |                                    | Y(5)           |
| <b>Radiation Monitoring System (RMS)</b> |              |   |                               |  |                                       |                          |        |        |                                    |                |
| BBX Main Control Room Vent Duct Gamma    | 30JYK00GH061 | 32UJK31018                              | M                             | M  | SI                                    | S                        | 1E EMC |        |                                    | Y(5) Y(6)      |
| BBX Main Control Room Vent Duct Gamma    | 30JYK00GH062 | 33UJK31018                              | M                             | M  | SI                                    | S                        | 1E EMC |        |                                    | Y(5) Y(6)      |
| BBX Containment High Range Dose Rate     | 30JYK00GH007 | 30UFA29090                              | M                             | H  | PAM SI                                | S                        | 1E EMC |        | Y(2)                               | Y(5) Y(6)      |
| BBX Containment High Range Dose Rate     | 30JYK00GH008 | 30UFA29090                              | M                             | H  | PAM SI                                | S                        | 1E EMC |        | Y(2)                               | Y(5) Y(6)      |
| BBX Fuel Bldg Ventilation System Gamma   | 30JYK00GH050 | 30UFA29045                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC |                                    | Y(2) Y(5) Y(6) |
| BBX Fuel Bldg Ventilation System Gamma   | 30JYK00GH051 | 30UFA29045                              | M                             | H  | ES                                    | SI                       | S      | 1E EMC |                                    | Y(2) Y(5) Y(6) |
| Containment High Range Dose Rate Monitor | 30JYK15CR101 | 30UJA29016                              | H                             | H  | ES PAM SI                             | S                        | 1E EMC | Y(1)   |                                    | Y(5)           |
| Containment High Range Dose Rate Monitor | 30JYK28CR101 | 30UJA29016                              | H                             | H  | ES PAM SI                             | S                        | 1E EMC | Y(1)   |                                    | Y(5)           |
| Radiation Monitoring Cabinet (Div 1)     | 30CLE20      | 31UJK18025                              | M                             | M  | ES                                    | SI                       | S      | 1E EMC |                                    | Y(5) Y(6)      |
| Radiation Monitoring Cabinet (Div 2)     | 30CLF20      | 32UJK18004                              | M                             | M  | ES                                    | SI                       | S      | 1E EMC |                                    | Y(5) Y(6)      |
| Radiation Monitoring Cabinet (Div 3)     | 30CLG20      | 33UJK18004                              | M                             | M  | ES                                    | SI                       | S      | 1E EMC |                                    | Y(5) Y(6)      |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)                      | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) |       |    | Safety Class<br>(Note 4) |       | EQ Program Designation<br>(Note 5) |             |  |
|---|---------------|---|-------------------------------|--|---------------------------------------|-------|----|--------------------------|-------|------------------------------------|-------------|--|
|   |               |   |                               |  | ES                                    | SI    | S  | 1E                       | EMC   | Y (5)                              | Y (6)       |  |
| Radiation Monitoring Cabinet (Div 4)                  | 30CLH20       | 34UJK18025                              | M                             | M  | ES                                    | SI    | S  | 1E                       | EMC   | Y (5)                              | Y (6)       |  |
| <b>HVAC Systems</b>                                   |               |   |                               |  |                                       |       |    |                          |       |                                    |             |  |
| <b>Containment Building Ventilation System (CBVS)</b> |               |   |                               |  |                                       |       |    |                          |       |                                    |             |  |
| Elec Air Heater KLA 2 Tr 2 Filtr                      | 30KLA22AH005  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| KLA 2 Tr 2 Fan  | 30KLA22AN001  | 30UFA24085                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| KLA Plen Sup Motor Bal Dmpr                           | 30KLA30AA001  | 30UFA21065                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| Motor Control Dmpr 1 to FB KLL                        | 30KLA30AA004  | 30UFA21065                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| Op Fl Motorized Control Damper Sup                    | 30KLA30AA007  | 30UJA29013                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| Motor Control Dmpr 2 to FB KLL                        | 30KLA30AA008  | 30UFA21065                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| KLA 3 Plen Sup Fire Dmpr                              | 30KLA30AA013  | 30UFA17065                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| Fire Dmpr Plen Sup to FB KLL                          | 30KLA30AA014  | 30UFA17065                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| KLA 4 Eq Comp control dmpr                            | 30KLA40AA004  | 30UJA18016                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 4 Eq Comp Iso Dmpr                                | 30KLA40AA005  | 30UJA18016                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 4 Fire Damper UFA24095                            | 30KLA40AA006  | 30UFA24095                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| KLA 4 Sup Motor Louver Damper                         | 30KLA40AA007  | 30UJA34015                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 5 Fire Dmpr Serv Comp Sup                         | 30KLA50AA001  | 30UJA29015                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 5 Filter Train Upstream Iso Dmpr                  | 30KLA50AA002  | 30UJA29022                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 5 Fire Dmpr Serv Comp Exh                         | 30KLA50AA003  | 30UJA29015                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 5 Filter Train Downstream Iso Dmpr                | 30KLA50AA004  | 30UJA29022                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 5 Elec Heater                                     | 30KLA50AH001  | 30UJA29022                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 5 Tr 1 Fan  | 30KLA51AN001  | 30UJA29022                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 5 Tr 2 Fan  | 30KLA52AN001  | 30UJA29022                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 6 Rx Pit Suppy Fan 1                              | 30KLA65AN001  | 30UJA15026                              | H                             | H  | SI                                    | S     | 1E | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 6 Rx Pit Suppy Fan 3                              | 30KLA65AN002  | 30UJA15027                              | H                             | H  | SI                                    | S     | 1E | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 6 Rx Pit Supply Fan 2                             | 30KLA66AN001  | 30UJA15026                              | H                             | H  | SI                                    | S     | 1E | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 6 Rx Pit Supply Fan 4                             | 30KLA66AN002  | 30UJA15027                              | H                             | H  | SI                                    | S     | 1E | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 5 tech rm Fire Damper Sup                         | 30KLA10AA004  | 30UJA29015                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA1 Staircase Sup Fire Damp                          | 30KLA10AA006  | 30UJA11020                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 1 Staircase Sup Branch Fire Dmpr                  | 30KLA10AA007  | 30UJA07013                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 1 Staircase south Sup Fire Dmpr                   | 30KLA10AA008  | 30UJA15010                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 1 Plen Sup Fire Damp                              | 30KLA10AA012  | 30UFA21065                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| KLA 2 Eq Comp Iso Valve                               | 30KLA20AA004  | 30KLA23013                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 5 Tech rm Fire damper Exh                         | 30KLA20AA007  | 30UJA29015                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| North Staircase Exh Fire Dmpr                         | 30KLA20AA009  | 30UJA34011                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| South Staircase Exh Fire Dmpr                         | 30KLA20AA010  | 30UJA29023                              | H                             | H  | SII                                   | NS-AQ |    | EMC                      | Y (1) |                                    | Y (5)       |  |
| KLA 2 Fire Damp UFA24045                              | 30KLA20AA011  | 30UFA24045                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| KLA 2 Fire Damp UFA24081                              | 30KLA20AA012  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| KLA 2 Fire Damp UFA24095                              | 30KLA20AA013  | 30UFA24095                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| KLA 2 Fire Damp UFA24053                              | 30KLA20AA014  | 30UFA24053                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| Elec Air Heater KLA 2 Tr 1 Filtr                      | 30KLA21AH005  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| KLA 2 Tr 1 Fan  | 30KLA21AN001  | 30UFA24085                              | M                             | H  | SII                                   | NS-AQ |    | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |
| Pos Meas 1 KLA10AA001                                 | 30KLA10CG001A | 30UFA15045                              | M                             | H  | SI                                    | S     | 1E | EMC                      |       | Y (2)                              | Y (5) Y (6) |  |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|----------------------------------|---------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                  |               |   |                               |  |                                       |                          | Y (1)                              | Y (2)       |
| Pos Meas 2 KLA10AA001            | 30KLA10CG001B | 30UFA15045                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| Pos Meas 1 KLA10AA003            | 30KLA10CG003A | 30UJA18016                              | H                             | H  | SI                                    | S 1E EMC                 | Y (1)                              | Y (5)       |
| Pos Meas 2 KLA10AA003            | 30KLA10CG003B | 30UJA18016                              | H                             | H  | SI                                    | S 1E EMC                 | Y (1)                              | Y (5)       |
| Press Meas 1 KLA Supply          | 30KLA10CP001  | 30UFA24095                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| Press Meas 2 KLA Supply          | 30KLA10CP002  | 30UFA24095                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| KLA Purge Vent DP Sens 1         | 30KLA20CP001  | 30UJA23013                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| KLA Purge Vent DP Sens 2         | 30KLA20CP002  | 30UJA23013                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| KLA Purge Fitr Tr 1 Flow Meas    | 30KLA21CF001  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| DP Meas KLA21AT001               | 30KLA21CP501  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| DP Meas KLA21AT002               | 30KLA21CP502  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| DP Meas KLA21AT003               | 30KLA21CP503  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| DP Meas KLA21AT004               | 30KLA21CP504  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| Temp Meas KLA21AH005             | 30KLA21CT001  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| KLA Purge Fitr Tr 2 Flow Meas    | 30KLA22CF001  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| DP Meas KLA22AT001               | 30KLA22CP501  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| DP Meas KLA21AT002               | 30KLA22CP502  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| DP Meas KLA22AT003               | 30KLA22CP503  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| DP Meas KLA22AT004               | 30KLA22CP504  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| Temp Meas KLA22AH005             | 30KLA22CT001  | 30UFA24081                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| Pos Meas KLA30AA001              | 30KLA30CG001  | 30UFA21065                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| Pos Meas 1 KLA30AA002            | 30KLA30CG002A | 30UFA17095                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| Pos Meas 2 KLA30AA002            | 30KLA30CG002B | 30UFA17095                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| Pos Meas 1 KLA30AA003            | 30KLA30CG003A | 30UJA18016                              | H                             | H  | SI                                    | S 1E EMC                 | Y (1)                              | Y (5)       |
| Pos Meas 2 KLA30AA003            | 30KLA30CG003B | 30UJA18016                              | H                             | H  | SI                                    | S 1E EMC                 | Y (1)                              | Y (5)       |
| Pos Meas 1 KLA40AA002            | 30KLA40CG002A | 30UFA21095                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| Pos Meas 2 KLA40AA002            | 30KLA40CG002B | 30UFA21095                              | M                             | H  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| Pos Meas KLA40AA004              | 30KLA40CG004  | 30UJA18016                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| KLA 5 Flow Measurement           | 30KLA50CF001  | 30UJA29022                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| DP Meas KLA50AT001               | 30KLA50CP501  | 30UJA29022                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| DP Meas KLA50AT002               | 30KLA50CP502  | 30UJA29022                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| DP Meas KLA50AT003               | 30KLA50CP503  | 30UJA29022                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| DP Meas KLA50AT004               | 30KLA50CP504  | 30UJA29022                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| Temp Meas KLA50AH001             | 30KLA50CT001  | 30UJA29022                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| KLA Dp Sens 2 FB                 | 30KLA60CP851  | 30UFA13004                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| KLA DP Sens 1 SG2                | 30KLA60CP852  | 32UJH10002                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| KLA DP Sens 1 SG3                | 30KLA60CP853  | 33UJH10002                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| KLA DP Sens 1 FB                 | 30KLA60CP854  | 30UFA10052                              | M                             | H  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| KLA 6 Supply Air Temp Meas 1     | 30KLA61CT001  | 30UJA23017                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| KLA 6 Supply Air Temp Meas 2     | 30KLA61CT002  | 30UJA23017                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| KLA 6 RCP1 Air Temp Meas         | 30KLA61CT003  | 30UJA23002                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| KLA 6 RCP2 Air Temp Meas         | 30KLA61CT004  | 30UJA34005                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| KLA 6 SG1 Air Temp Meas          | 30KLA61CT005  | 30UJA34003                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| KLA 6 SG2 Air Temp Meas          | 30KLA61CT006  | 30UJA34004                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| KLA 6 Eq Comp CRDM Air Temp Meas | 30KLA61CT007  | 30UJA15001                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| KLA 6 FAL Valves Air Temp Meas   | 30KLA61CT008  | 30UJA23020                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |
| KLA 6 KTA Pumps Air Temp Meas    | 30KLA61CT011  | 30UJA07022                              | H                             | H  | SII                                   | NS-AQ EMC                | Y (1)                              | Y (5)       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)        | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) |        | EQ Program Designation<br>(Note 5) |       |       |
|---|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|--------|------------------------------------|-------|-------|
|   |              |   |                               |  |                                       |                          |        |                                    |       |       |
| KLA 6 Supply Air Temp Meas 3            | 30KLA63CT001 | 30UJA23018                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 Supply Air Temp Meas 4            | 30KLA63CT002 | 30UJA23018                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 RCP3 Air Temp Meas                | 30KLA63CT003 | 30UJA34006                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 RCP4 Air Temp Meas                | 30KLA63CT004 | 30UJA23009                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 SG3 Air Temp Meas                 | 30KLA63CT005 | 30UJA34007                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 SG4 Air Temp Meas                 | 30KLA63CT006 | 30UJA34008                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 Safety Relief Valve rm Air Temp   | 30KLA63CT008 | 30UJA34019                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 UJA11024 Air Temp Meas            | 30KLA63CT009 | 30UJA11024                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 UJA11022 Air Temp Meas            | 30KLA63CT010 | 30UJA11022                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 Temp Sensor Primary Pipe 1        | 30KLA65CT001 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 Temp Sensor Primary Pipe 2        | 30KLA65CT002 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 Temp Sensor Primary Pipe 3        | 30KLA65CT003 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 Temp Sensor Primary Pipe 4        | 30KLA65CT004 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 Temp Sensor Primary Pipe 5        | 30KLA65CT005 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 Temp Sensor Primary Pipe 6        | 30KLA65CT006 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 Temp Sensor Primary Pipe 7        | 30KLA65CT007 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 6 Temp Sensor Primary Pipe 8        | 30KLA65CT008 | 30UJA11001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA DP Sens 4 FB                        | 30KLA70CP801 | 30UFA13004                              | M                             | H  | SII                                   | NS-AQ                    | EMC    | Y (2)                              | Y (5) | Y (6) |
| KLA DP Sens 3 SG2                       | 30KLA70CP802 | 32UJH10002                              | M                             | H  | SII                                   | NS-AQ                    | EMC    | Y (2)                              | Y (5) | Y (6) |
| KLA DP Sens 3 SG3                       | 30KLA70CP803 | 33UJH10002                              | M                             | H  | SII                                   | NS-AQ                    | EMC    | Y (2)                              | Y (5) | Y (6) |
| KLA DP Sens 3 FB                        | 30KLA70CP804 | 30UFA10052                              | M                             | H  | SII                                   | NS-AQ                    | EMC    | Y (2)                              | Y (5) | Y (6) |
| KLA DP Sens 5 FB                        | 30KLA70CP851 | 30UFA13004                              | M                             | H  | SII                                   | NS-AQ                    | EMC    | Y (2)                              | Y (5) | Y (6) |
| KLA DP Sens 2 SG2                       | 30KLA70CP852 | 32UJH10002                              | M                             | H  | SII                                   | NS-AQ                    | EMC    | Y (2)                              | Y (5) | Y (6) |
| KLA DP Sens 2 SG3                       | 30KLA70CP853 | 33UJH10002                              | M                             | H  | SII                                   | NS-AQ                    | EMC    | Y (2)                              | Y (5) | Y (6) |
| KLA DP Sens 2 FB                        | 30KLA70CP854 | 30UFA10052                              | M                             | H  | SII                                   | NS-AQ                    | EMC    | Y (2)                              | Y (5) | Y (6) |
| KLA 7 UJA40001 Temp Sens 1              | 30KLA71CT001 | 30UJA40001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 7 UJA40001 Temp Sens 2              | 30KLA71CT002 | 30UJA40001                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 7 UJA34014 Temp Sens 1              | 30KLA71CT003 | 30UJA34014                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 7 UJA34015 Temp Sens 1              | 30KLA71CT004 | 30UJA34015                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 7 Setdown Area Op Fl Temp Sens      | 30KLA71CT005 | 30UJA29013                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 7 Access Area Eq Hatch Temp Sens    | 30KLA71CT006 | 30UJA29016                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 7 Inst Meas Table Temp Sens         | 30KLA71CT007 | 30UJA23041                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 7 JND JNG Valv Lp 1 Temp Sens       | 30KLA71CT009 | 30UJA11025                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 7 JND JNG Valv Lp 2 Temp Sens       | 30KLA71CT010 | 30UJA11026                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 7 JND JNG Valv Lp 3 Temp Sens       | 30KLA71CT011 | 30UJA11027                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 7 JND JNG Valv Lp 4 Temp Sens       | 30KLA71CT012 | 30UJA11028                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 7 LCQ Flash Tk Temp Sens            | 30KLA71CT013 | 30UJA11018                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 7 LCQ Heat exchgr Temp Sensor       | 30KLA71CT014 | 30UJA07018                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| KLA 7 Hot Pip Pen Temp Sens             | 30KLA71CT015 | 30UJA07016                              | H                             | H  | SII                                   | NS-AQ                    | EMC    | Y (1)                              |       | Y (5) |
| <b>Annulus Ventilation System (AVS)</b> |              |   |                               |  |                                       |                          |        |                                    |       |       |
| ACTUATOR SUPPLY DAMPER (TRAIN 21)       | 30KLB21AA003 | 30UFA17084                              | M                             | H  | ES                                    | SI                       | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| ACTUATOR EXHAUST DAMPER (TRAIN 21)      | 30KLB21AA004 | 30UFA17084                              | M                             | H  | ES                                    | SI                       | 1E EMC | Y (2)                              | Y (5) | Y (6) |
| ACTUATOR SUPPLY DAMPER (TRAIN 24)       | 30KLB24AA003 | 30UFA17082                              | M                             | H  | ES                                    | SI                       | 1E EMC | Y (2)                              | Y (5) | Y (6) |



Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)                                    | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) |    | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|---|---------------|---|-------------------------------|--|----|---------------------------------------|--------------------------|------------------------------------|-------------|
|   |               |   |                               |  |    |                                       |                          |                                    |             |
| ACTUATOR EXHAUST DAMPER (TRAIN 24)                                  | 30KLB24AA004  | 30UFA17082                              | M                             | H  |    | ES SI S                               | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 1, KLC, FB   | 30KLB21CP001  | 32UJH10001                              | M                             | H  |    | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 2, KLC, FB   | 30KLB24CP001  | 32UJH10001                              | M                             | H  |    | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACTUATOR SUPPLY AIR ISOLATION DAMPER                                | 30KLB34AA002  | 30UFA21095                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACTUATOR SUPPLY AIR ISOLATION DAMPER                                | 30KLB34AA003  | 30UFA21095                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACTUATOR EXHAUST AIR ISOLATION DAMPER                               | 30KLB44AA002  | 30UFA29054                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACTUATOR EXHAUST AIR ISOLATION DAMPER                               | 30KLB44AA003  | 30UFA29054                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACCIDENT FILTRATION TRAIN FLOW SENSOR                               | 30KLB21CF001A | 30UFA21095                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACCIDENT FILTRATION TRAIN FLOW SENSOR                               | 30KLB21CF001B | 30UFA21095                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ANNULUS PRESSURE SENSOR (TRAIN 21)                                  | 30KLB21CP001  | 30UFA24045                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EXHAUST FAN PRESSURE LIMIT SWITCH SENSOR                            | 30KLB21CP002  | 30UFA17083                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| PRE- AND HEPA FILTER DP GAUGE (TRAIN 21)                            | 30KLB21CP501  | 30UFA17084                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| IODINE ADSORBER DP GAUGE (TRAIN 21)                                 | 30KLB21CP503  | 30UFA17084                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DOWNSTREAM HEPA FILTER DP GAUGE                                     | 30KLB21CP504  | 30UFA17084                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMPERATURE SENSOR UPSTREAM OF HEATER                               | 30KLB21CT001  | 30UFA17084                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP LIMIT SWITCH SENSOR FOR HEATER                                 | 30KLB21CT002  | 30UFA17084                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMPERATURE REGULATION SENSOR FOR HEATER                            | 30KLB21CT003  | 30UFA17084                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ANNULUS PRESSURE SENSOR (TRAIN 24)                                  | 30KLB24CP001  | 30UFA17095                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EXHAUST FAN PRESSURE LIMIT SWITCH SENSOR                            | 30KLB24CP002  | 30UFA17081                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| PRE- AND HEPA FILTER DP GAUGE (TRAIN 24)                            | 30KLB24CP501  | 30UFA17082                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| IODINE ADSORBER DP GAUGE (TRAIN 24)                                 | 30KLB24CP503  | 30UFA17082                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DOWNSTREAM HEPA FILTER DP GAUGE                                     | 30KLB24CP504  | 30UFA17082                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMPERATURE SENSOR UPSTREAM OF HEATER                               | 30KLB24CT001  | 30UFA17082                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP LIMIT SWITCH SENSOR FOR HEATER                                 | 30KLB24CT002  | 30UFA17082                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMPERATURE REGULATION SENSOR FOR HEATER                            | 30KLB24CT003  | 30UFA17082                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ELECTRIC HEATER (TRAIN 21)  | 30KLB21AH001  | 30UFA17084                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EXHAUST FAN (TRAIN 21)  | 30KLB21AN001  | 30UFA17083                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ELECTRIC HEATER (TRAIN 24)  | 30KLB24AH001  | 30UFA17082                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| EXHAUST FAN (TRAIN 24)  | 30KLB24AN001  | 30UFA17081                              | M                             | H  | ES | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| <b>Safeguard Building Controlled Area Ventilation System (SBVS)</b> |               |   |                               |  |    |                                       |                          |                                    |             |
| fire dmpr sup ICP, SG1  | 30KLC11AA002  | 31UJH10004                              | M                             | H  |    | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| iso dmpr 1 sup, div 1   | 30KLC11AA004  | 31UJH05025                              | M                             | H  |    | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| iso dmpr 2 sup, div 1   | 30KLC11AA005  | 31UJH05025                              | M                             | H  |    | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| fire dmpr sup, div 1, SG1   | 30KLC11AA006  | 31UJH05008                              | M                             | H  |    | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| sup is dmpr, div 1, SG1   | 30KLC11AA007  | 31UJH05006                              | M                             | H  |    | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 1 passageway SG1   | 30KLC11CP001  | 31UJH05006                              | M                             | H  |    | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 2 passageway SG1   | 30KLC11CP002  | 31UJH05006                              | M                             | H  |    | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP passageway, anteroom, SG1  | 30KLC11CP501  | 31UJH01001                              | M                             | H  |    | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 1 serv corr, SG2   | 30KLC12CP001  | 32UJH05005                              | M                             | H  |    | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 2 serv corr, SG2   | 30KLC12CP002  | 32UJH05005                              | M                             | H  |    | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP serv corr, vlv rm, SG2   | 30KLC12CP501  | 32UJH01005                              | M                             | H  |    | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| sup fire dmpr, ICP, SG3   | 30KLC13AA002  | 33UJH10003                              | M                             | H  |    | SII NS-AQ                             | EMC                      | Y (2)                              | Y (5) Y (6) |
| sup iso dmpr 1, div 3   | 30KLC13AA004  | 33UJH01020                              | M                             | H  |    | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)    | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |       |       |
|-------------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------|-------|-------|
|                                     |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |       |       |       |
| sup iso dmpr 2, div 3               | 30KLC13AA005 | 33UJH01020                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| sup fire dmpr, serv corr, div 3     | 30KLC13AA006 | 33UJH01005                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| sup fire dmpr, staircase, div 3     | 30KLC13AA008 | 33UJH01001                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| DP 1 serv corr, SG3                 | 30KLC13CP001 | 32UJH05005                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| DP 2 serv corr, SG3                 | 30KLC13CP002 | 32UJH05005                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| DP serv corr, vlv rm, SG3           | 30KLC13CP501 | 33UJH01003                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| sup fire dmpr 1, ICP, SG4           | 30KLC14AA002 | 34UJH10002                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| sup iso dmpr 1, div 4               | 30KLC14AA004 | 34UJH05025                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| sup iso dmpr 2, div 4               | 30KLC14AA005 | 34UJH05025                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| sup fire dmpr, serv corr, div 4     | 30KLC14AA006 | 34UJH05006                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| sup iso dmpr, div 4                 | 30KLC14AA007 | 34UJH05006                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| DP 1 serv corr, div 4               | 30KLC14CP001 | 34UJH05006                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| DP 2 serv corr, div 4               | 30KLC14CP002 | 34UJH05006                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| dp sens, serv corr, anteroom, div 4 | 30KLC14CP501 | 34UJH01001                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| fire dmpr exh ICP, SG1              | 30KLC21AA001 | 31UJH10011                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| sup dmpr KAA vlv rm, anteroom, SG1  | 30KLC21AA002 | 31UJH10004                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| exh iso dmpr, SG1                   | 30KLC21AA005 | 31UJH10004                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex vol cntrl dmpr, div 1       | 30KLC21AA006 | 31UJH10010                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex iso dmpr 1, div 1           | 30KLC21AA007 | 31UJH10010                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex iso dmpr 2, div 1           | 30KLC21AA008 | 31UJH10010                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex fire dmpr, div 1            | 30KLC21AA009 | 31UJH10004                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| pos meas dmpr KLC21AA006            | 30KLC21CG006 | 31UJH10010                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| fire dmpr ICP 2, SG2                | 30KLC22AA001 | 32UJH10003                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| oper ex vol cntrl dmpr, div 2       | 30KLC22AA006 | 32UJH10002                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex iso dmpr 1, div 2           | 30KLC22AA007 | 32UJH10002                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex iso dmpr 2, div 2           | 30KLC22AA008 | 32UJH10002                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex fire dmpr, div 2            | 30KLC22AA009 | 32UJH10002                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| stairwell fire dmpr 1, SG2          | 30KLC22AA011 | 32UJH05001                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| pos meas dmpr KLC22AA006            | 30KLC22CG006 | 32UJH10002                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| exh fire dmpr, ICP, SG3             | 30KLC23AA001 | 33UJH10003                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| oper ex vol cntrl dmpr, div 3       | 30KLC23AA006 | 33UJH10002                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex iso dmpr 1, div 3           | 30KLC23AA007 | 33UJH10002                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex iso dmpr 2, div 3           | 30KLC23AA008 | 33UJH10002                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex fire dmpr, div 3            | 30KLC23AA009 | 33UJH10002                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| stairwell fire dmpr 1, SG3          | 30KLC23AA011 | 33UJH05001                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| sup fire dmpr 2, ICP, SG4           | 30KLC24AA001 | 34UJH10011                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| sup iso dmpr, JMU rm, SG4           | 30KLC24AA002 | 34UJH10004                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| sup iso dmpr, anteroom, div 4       | 30KLC24AA003 | 34UJH05006                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| sup iso dmpr, anteroom, div 4       | 30KLC24AA004 | 34UJH01011                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| exh iso dmpr, div 4                 | 30KLC24AA005 | 34UJH10004                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex vol cntrl dmpr, div 4       | 30KLC24AA006 | 34UJH10010                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex iso dmpr 1, div 4           | 30KLC24AA007 | 34UJH10010                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex iso dmpr 2, div 4           | 30KLC24AA008 | 34UJH10010                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| oper ex fire dmpr, div 4            | 30KLC24AA009 | 34UJH10004                              | M                             | H                               |  | SII                                   | NS-AQ                    | EMC                                | Y (2) | Y (5) | Y (6) |
| pos meas dmpr KLC24AA006            | 30KLC24CG006 | 34UJH10010                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| acc ex iso dmpr vlv rm, div 1       | 30KLC31AA001 | 31UJH10004                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |       |
|----------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------|-------|
|                                  |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |       |       |
| acc ex fire dmpr vlv rm, div 1   | 30KLC31AA002 | 31UJH10004                              | M                             | H                               |  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) | Y (6) |
| acc ex iso dmpr vlv rm, div 2    | 30KLC32AA001 | 32UJH10002                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| acc ex fire dmpr vlv rm, div 2   | 30KLC32AA002 | 32UJH10002                              | M                             | H                               |  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) | Y (6) |
| acc ex iso dmpr vlv rm, div 3    | 30KLC33AA001 | 33UJH10002                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| acc ex fire dmpr vlv rm, div 3   | 30KLC33AA002 | 33UJH10002                              | M                             | H                               |  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) | Y (6) |
| acc ex iso dmpr vlv rm, div 4    | 30KLC34AA001 | 34UJH10004                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| acc ex fire dmpr vlv rm, div 4   | 30KLC34AA002 | 34UJH10004                              | M                             | H                               |  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) | Y (6) |
| iso dmpr 1, acc ex tr 1          | 30KLC41AA001 | 30UFA21082                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| iso dmpr 2, acc ex tr 1          | 30KLC41AA002 | 30UFA21082                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| DP, acc ex tr 1                  | 30KLC41CP001 | 30UFA21082                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| DP KLC41AT001                    | 30KLC41CP501 | 30UFA21082                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| DP KLC41AT002                    | 30KLC41CP502 | 30UFA21082                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| DP KLC41AT003                    | 30KLC41CP503 | 30UFA21082                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| DP KLC41AT004                    | 30KLC41CP504 | 30UFA21082                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| upstream temp, acc ex tr 1       | 30KLC41CT001 | 30UFA21082                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| iso dmpr 1, acc ex tr 2          | 30KLC42AA001 | 30UFA21084                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| DP, acc ex tr 2                  | 30KLC42CP001 | 30UFA21084                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| DP KLC42AT001                    | 30KLC42CP501 | 30UFA21084                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| DP KLC42AT002                    | 30KLC42CP502 | 30UFA21084                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| DP KLC42AT003                    | 30KLC42CP503 | 30UFA21084                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| DP KLC42AT004                    | 30KLC42CP504 | 30UFA21084                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| upstream temp, acc ex tr 2       | 30KLC42CT001 | 30UFA21084                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| acc ex sw iso dmpr 1             | 30KLC45AA001 | 30UFA21095                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| acc ex sw iso dmpr 2             | 30KLC45AA002 | 30UFA21095                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| acc ex sw iso dmpr 3             | 30KLC45AA003 | 30UFA29045                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| acc ex sw iso dmpr 4             | 30KLC45AA004 | 30UFA29045                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| acc ex sw iso dmpr 5             | 30KLC45AA005 | 30UFA24045                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| acc ex sw iso dmpr 6             | 30KLC45AA006 | 30UFA24045                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| flow meas 1 tot acc ex           | 30KLC45CF001 | 30UFA21095                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| flow meas 2 tot acc ex           | 30KLC45CF002 | 30UFA21095                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 1 JND pump rm, SG1     | 30KLC51CT001 | 31UJH01002                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 2 JND pump rm, SG1     | 30KLC51CT002 | 31UJH01002                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 1 JNG pump rm, SG1     | 30KLC51CT003 | 31UJH01006                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 2 JNG pump rm, SG1     | 30KLC51CT004 | 31UJH01006                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 1 KAA vlv rm, SG1      | 30KLC51CT005 | 31UJH10004                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 2 KAA vlv rm, SG1      | 30KLC51CT006 | 31UJH10004                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 1 JMU rm, SG1          | 30KLC51CT007 | 31UJH10010                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 2 JMU rm, SG1          | 30KLC51CT008 | 31UJH10010                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 1, JND pump rm, SG2    | 30KLC52CT001 | 32UJH01007                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 2, JND pump rm, SG2    | 30KLC52CT002 | 32UJH01007                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 1, JNG pump rm, SG2    | 30KLC52CT003 | 32UJH01009                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 2, JNG pump rm, SG2    | 30KLC52CT004 | 32UJH01009                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 1 vlv rm, SG2          | 30KLC52CT005 | 32UJH10002                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 2 vlv rm, SG2          | 30KLC52CT006 | 32UJH10002                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 1, JND pump rm, SG3    | 30KLC53CT001 | 33UJH01007                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |
| temp sens 2, JND pump rm, SG3    | 30KLC53CT002 | 33UJH01007                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) | Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)        | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|---|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|   |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| temp sens 1, JNG pump rm, SG3           | 30KLC53CT003 | 33UJH01009                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2, JNG pump rm, SG3           | 30KLC53CT004 | 33UJH01009                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1, vlv rm SG3                 | 30KLC53CT005 | 33UJH10002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2, vlv rm, SG3                | 30KLC53CT006 | 33UJH10002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp meas 1, JND pump rm, div 4         | 30KLC54CT001 | 34UJH01002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp meas 2, JND pump rm, div 4         | 30KLC54CT002 | 34UJH01002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp meas 1, JNG pump rm, div 4         | 30KLC54CT003 | 34UJH01006                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| elec air preheater, accident filtr tr 1 | 30KLC41AH001 | 30UFA21082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| exhaust fan, accident filtr tr 1        | 30KLC41AN001 | 30UFA21083                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| elec air preheater, accident filtr tr 2 | 30KLC42AH001 | 30UFA21084                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| exhaust fan, accident filtr tr 2        | 30KLC42AN001 | 30UFA21081                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| fan recirc unit, KLC SG1                | 30KLC51AN001 | 31UJH05004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| fan recirc unit, KAA vlv rm, SG1        | 30KLC51AN002 | 31UJH10004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| fan recirc unit, JMU rm, SG1            | 30KLC51AN003 | 31UJH10010                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| fan recirc unit, KLC SG2                | 30KLC52AN001 | 32UJH05002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| fan recirc unit, vlv rm, KLC SG2        | 30KLC52AN002 | 32UJH10002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| fan recirc unit, KLC SG3                | 30KLC53AN001 | 33UJH05002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| fan recirc unit, vlv rm, KLC SG3        | 30KLC53AN002 | 33UJH10002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| fan recirc unit, KLC SG4                | 30KLC54AN001 | 34UJH05004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| fan recirc unit, KAA vlv rm, SG4        | 30KLC54AN002 | 34UJH10004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| fan recirc unit, JMU rm, SG4            | 30KLC54AN003 | 34UJH10010                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp meas 2, JNG pump rm, div 4         | 30KLC54CT004 | 34UJH01006                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1, KAA vlv rm, SG4            | 30KLC54CT005 | 34UJH10004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2, KAA vlv rm, SG4            | 30KLC54CT006 | 34UJH10004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1, JMU rm, SG4                | 30KLC54CT007 | 34UJH10010                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2, JMU rm, SG4                | 30KLC54CT008 | 34UJH10010                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 1, SG1                               | 30KLC31CP851 | 32UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 2, SG1                               | 30KLC31CP852 | 32UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 3, SG1                               | 30KLC31CP853 | 32UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 4, SG1                               | 30KLC31CP854 | 32UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 1, SG2                               | 30KLC32CP851 | 32UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 2, SG2                               | 30KLC32CP852 | 32UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 3, SG2                               | 30KLC32CP853 | 32UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 4, SG2                               | 30KLC32CP854 | 32UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 1, SG3                               | 30KLC33CP851 | 33UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 2, SG3                               | 30KLC33CP852 | 33UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 3, SG3                               | 30KLC33CP853 | 33UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 4, SG3                               | 30KLC33CP854 | 33UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 1, SG4                               | 30KLC34CP851 | 33UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 2, SG4                               | 30KLC34CP852 | 33UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 3, SG4                               | 30KLC34CP853 | 33UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 4, SG4                               | 30KLC34CP854 | 33UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 1, KLC, FB                           | 30KLB21CP001 | 32UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 2, KLC, FB                           | 30KLB24CP001 | 32UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| vol cont dmp sup, div 1                 | 30KLC11AA003 | 31UJH05025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| pos meas, KLC11AA003                    | 30KLC11CG003 | 31UJH05025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 77 of 102)

| Name Tag (Equipment Description)    | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|-------------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                     |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| pos meas KLC12AA003                 | 30KLC12CG003 | 32UJH01020                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| vol cont dmpr sup, div 3            | 30KLC13AA003 | 33UJH01020                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| pos meas KLC13AA003                 | 30KLC13CG003 | 33UJH01020                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| vol cont dmpr sup, div 4            | 30KLC14AA003 | 34UJH05025                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| pos meas KLC14AA003                 | 30KLC14CG003 | 34UJH05025                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| fire dmpr ICP 1, SG2                | 30KLC12AA002 | 32UJH10003                              | M                             | H                               |  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| vol cont dmpr sup, div 2            | 30KLC12AA003 | 32UJH01020                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| sup iso dmpr 1, div 2               | 30KLC12AA004 | 32UJH01020                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| sup iso dmpr 2, div 2               | 30KLC12AA005 | 32UJH01020                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| fire dmpr 1 sup, div 2              | 30KLC12AA006 | 32UJH01005                              | M                             | H                               |  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| fire dmpr 2 sup, div 2              | 30KLC12AA008 | 32UJH01001                              | M                             | H                               |  | SII                                   | NS-AQ EMC                | Y (2)                              | Y (5) Y (6) |
| sup iso dmpr 1, air lock, SG2       | 30KLC12AA009 | 32UJH10006                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| sup iso dmpr 2, air lock, SG2       | 30KLC12AA010 | 32UJH10006                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| exh iso dmpr, air lock, SG2         | 30KLC22AA010 | 32UJH10006                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| pos meas dmpr KLC21AA006            | 30KLC21CG006 | 31UJH10010                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| ANNULUS PRESSURE SENSOR (TRAIN 21)  | 30KLB21CP001 | 30UFA24045                              | M                             | H                               |  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| ANNULUS PRESSURE SENSOR (TRAIN 24)  | 30KLB24CP001 | 30UFA17095                              | M                             | H                               |  | ES                                    | SI S 1E EMC              | Y (2)                              | Y (5) Y (6) |
| pos meas, KLC11AA003                | 30KLC11CG003 | 31UJH05025                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 1 passageway SG1                 | 30KLC11CP001 | 31UJH05006                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 2 passageway SG1                 | 30KLC11CP002 | 31UJH05006                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP passageway, anteroom, SG1        | 30KLC11CP501 | 31UJH01001                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| pos meas KLC12AA003                 | 30KLC12CG003 | 32UJH01020                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 1 serv corr, SG2                 | 30KLC12CP001 | 32UJH05005                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 2 serv corr, SG2                 | 30KLC12CP002 | 32UJH05005                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP serv corr, vlv rm, SG2           | 30KLC12CP501 | 32UJH01005                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| pos meas KLC13AA003                 | 30KLC13CG003 | 33UJH01020                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 1 serv corr, SG3                 | 30KLC13CP001 | 32UJH05005                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 2 serv corr, SG3                 | 30KLC13CP002 | 32UJH05005                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP serv corr, vlv rm, SG3           | 30KLC13CP501 | 33UJH01003                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| pos meas KLC14AA003                 | 30KLC14CG003 | 34UJH05025                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 1 serv corr, div 4               | 30KLC14CP001 | 34UJH05006                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 2 serv corr, div 4               | 30KLC14CP002 | 34UJH05006                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| dp sens, serv corr, anteroom, div 4 | 30KLC14CP501 | 34UJH01001                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| pos meas dmpr KLC22AA006            | 30KLC22CG006 | 32UJH10002                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| pos meas dmpr KLC24AA006            | 30KLC24CG006 | 34UJH10010                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 4, SG1                           | 30KLC31CP854 | 32UJH10001                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 1, SG2                           | 30KLC32CP851 | 32UJH10001                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 2, SG2                           | 30KLC32CP852 | 32UJH10001                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 3, SG2                           | 30KLC32CP853 | 32UJH10001                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 4, SG2                           | 30KLC32CP854 | 32UJH10001                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 1, SG3                           | 30KLC33CP851 | 33UJH10001                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 2, SG3                           | 30KLC33CP852 | 33UJH10001                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 3, SG3                           | 30KLC33CP853 | 33UJH10001                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 4, SG3                           | 30KLC33CP854 | 33UJH10001                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 1, SG4                           | 30KLC34CP851 | 33UJH10001                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |
| DP 2, SG4                           | 30KLC34CP852 | 33UJH10001                              | M                             | H                               |  | SI                                    | S 1E EMC                 | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|----------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                  |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| DP 3, SG4                        | 30KLC34CP853 | 33UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP 4, SG4                        | 30KLC34CP854 | 33UJH10001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP, acc ex tr 1                  | 30KLC41CP001 | 30UFA21082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP KLC41AT001                    | 30KLC41CP501 | 30UFA21082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP KLC41AT002                    | 30KLC41CP502 | 30UFA21082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP KLC41AT003                    | 30KLC41CP503 | 30UFA21082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP KLC41AT004                    | 30KLC41CP504 | 30UFA21082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| upstream temp, acc ex tr 1       | 30KLC41CT001 | 30UFA21082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP, acc ex tr 2                  | 30KLC42CP001 | 30UFA21084                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP KLC42AT001                    | 30KLC42CP501 | 30UFA21084                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP KLC42AT002                    | 30KLC42CP502 | 30UFA21084                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP KLC42AT003                    | 30KLC42CP503 | 30UFA21084                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| DP KLC42AT004                    | 30KLC42CP504 | 30UFA21084                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| upstream temp, acc ex tr 2       | 30KLC42CT001 | 30UFA21084                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| flow meas 1 tot acc ex           | 30KLC45CF001 | 30UFA21095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| flow meas 2 tot acc ex           | 30KLC45CF002 | 30UFA21095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1 JND pump rm, SG1     | 30KLC51CT001 | 31UJH01002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2 JND pump rm, SG1     | 30KLC51CT002 | 31UJH01002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1 JNG pump rm, SG1     | 30KLC51CT003 | 31UJH01006                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2 JNG pump rm, SG1     | 30KLC51CT004 | 31UJH01006                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1 KAA vlv rm, SG1      | 30KLC51CT005 | 31UJH10004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2 KAA vlv rm, SG1      | 30KLC51CT006 | 31UJH10004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1 JMU rm, SG1          | 30KLC51CT007 | 31UJH10010                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2 JMU rm, SG1          | 30KLC51CT008 | 31UJH10010                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1, JND pump rm, SG2    | 30KLC52CT001 | 32UJH01007                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2, JND pump rm, SG2    | 30KLC52CT002 | 32UJH01007                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1, JNG pump rm, SG2    | 30KLC52CT003 | 32UJH01009                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2, JNG pump rm, SG2    | 30KLC52CT004 | 32UJH01009                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1 vlv rm, SG2          | 30KLC52CT005 | 32UJH10002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2 vlv rm, SG2          | 30KLC52CT006 | 32UJH10002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1, JND pump rm, SG3    | 30KLC53CT001 | 33UJH01007                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2, JND pump rm, SG3    | 30KLC53CT002 | 33UJH01007                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1, JNG pump rm, SG3    | 30KLC53CT003 | 33UJH01009                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2, JNG pump rm, SG3    | 30KLC53CT004 | 33UJH01009                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1, vlv rm SG3          | 30KLC53CT005 | 33UJH10002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2, vlv rm, SG3         | 30KLC53CT006 | 33UJH10002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp meas 1, JND pump rm, div 4  | 30KLC54CT001 | 34UJH01002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp meas 2, JND pump rm, div 4  | 30KLC54CT002 | 34UJH01002                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp meas 1, JNG pump rm, div 4  | 30KLC54CT003 | 34UJH01006                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp meas 2, JNG pump rm, div 4  | 30KLC54CT004 | 34UJH01006                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1, KAA vlv rm, SG4     | 30KLC54CT005 | 34UJH10004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2, KAA vlv rm, SG4     | 30KLC54CT006 | 34UJH10004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 1, JMU rm, SG4         | 30KLC54CT007 | 34UJH10010                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| temp sens 2, JMU rm, SG4         | 30KLC54CT008 | 34UJH10010                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)  | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation   |                  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|---|--------------|---|-------------------------------|-------------|------------------|---------------------------------------|--------------------------|------------------------------------|
|   |              |   |                               | Environment | Zone<br>(Note 2) |                                       |                          |                                    |
| <b>Electrical Division of Safeguard Building Ventilation System (SBVSE)</b> |              |   |                               |             |                  |                                       |                          |                                    |
| ACTUATOR SUPPLY AIR DAMPER  | 30SAC01AA003 | 31UJK22026                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR RECIRC AIR DAMPER  | 30SAC01AA004 | 31UJK22028                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| INLET HEAT TRACING  | 30SAC01AH001 | 31UJK22026                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| SUPPLY AIR HEATER   | 30SAC01AH002 | 31UJK22026                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| FAN MOTOR HEATER  | 30SAC01AH501 | 31UJK22026                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| SUPPLY FAN  | 30SAC01AN001 | 31UJK22026                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA008 | 31UJK22024                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA009 | 31UJK31027                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA010 | 31UJK34024                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA011 | 31UJK18023                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA012 | 31UJK18023                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA015 | 31UJK18033                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA016 | 31UJK18022                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA017 | 31UJK18022                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA019 | 31UJK18024                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA021 | 31UJK18027                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA022 | 31UJK14033                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA024 | 31UJK14022                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA027 | 31UJK14026                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA028 | 31UJK14021                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC11AA029 | 31UJK14026                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| BATTERY ROOM SUPPLY AIR HEATER  | 30SAC11AH001 | 31UJK18027                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| BATTERY ROOM SUPPLY AIR HEATER  | 30SAC11AH002 | 31UJK14026                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| SUPPLY AIR HEATER   | 30SAC11AH003 | 31UJK26021                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC15AA001 | 31UJH10022                              | M                             | H           |                  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER  | 30SAC15AA002 | 31UJH05021                              | M                             | H           |                  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER  | 30SAC15AA003 | 31UJH05022                              | M                             | H           |                  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER  | 30SAC15AA004 | 31UJH05021                              | M                             | H           |                  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER  | 30SAC15AA005 | 31UJH01022                              | M                             | H           |                  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER  | 30SAC15AA006 | 31UJH05021                              | M                             | H           |                  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER  | 30SAC15AA007 | 31UJH01022                              | M                             | H           |                  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| SUPPLY AIR HEATER   | 30SAC15AH001 | 31UJH10024                              | M                             | H           |                  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER  | 30SAC21AA001 | 31UJK34022                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC21AA003 | 31UJK34024                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC21AA004 | 31UJK31027                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC21AA005 | 31UJK14026                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC21AA006 | 31UJK14031                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC21AA007 | 31UJK18025                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC21AA011 | 31UJK18031                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC21AA012 | 31UJK18031                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER  | 30SAC21AA013 | 31UJK18031                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR EXHAUST AIR DAMPER   | 30SAC31AA002 | 31UJK22024                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| EXHAUST FAN MOTOR HEATER  | 30SAC31AH501 | 31UJK22039                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| EXHAUST FAN MOTOR   | 30SAC31AN001 | 31UJK22039                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)        | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|---|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|   |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |
| ACTUATOR FIRE DAMPER                    | 30SAC41AA001 | 31UJK18024                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC41AA002 | 31UJK18024                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC41AA003 | 31UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC45AA001 | 31UJH05021                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER                    | 30SAC45AA002 | 31UJH05021                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER                    | 30SAC45AA003 | 31UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR BATTERY ROOM EXHAUST           | 30SAC51AA003 | 31UJK22030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR BATTERY ROOM EXHAUST-MAINT     | 30SAC51AA006 | 31UJK22030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| BATTERY ROOM EXHAUST FAN MOTOR          | 30SAC51AN001 | 31UJK22030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| LAS PUMP ROOM RECIRC FAN MOTOR          | 30SAC61AN001 | 31UJH01024                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| KAA PUMP ROOM RECIRC FAN MOTOR          | 30SAC61AN002 | 31UJH01026                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER                    | 30SAC21AA008 | 31UJK18024                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR EXHAUST AIR DAMPER             | 30SAC33AA002 | 33UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR BATTERY ROOM EXHAUST           | 30SAC53AA003 | 33UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR BATTERY ROOM EXHAUST-MAINT     | 30SAC53AA006 | 33UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC13AA010 | 33UJK31020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC13AA011 | 33UJK31020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC13AA012 | 33UJK31021                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA023 | 33UJK31040                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA025 | 33UJK31040                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA024 | 33UJK31040                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA026 | 33UJK31036                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA028 | 33UJK31020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA027 | 33UJK31036                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR EXHAUST AIR EQUIP ROOM CONTROL | 30SAC23AA015 | 33UJK22030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR EXHAUST AIR CONTROL DAMPER     | 30SAC43AA001 | 33UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR CONTROL DAMPER                 | 30SAC13AA020 | 33UJK22030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC13AA015 | 33UJK22004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC13AA016 | 33UJK22004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC13AA017 | 33UJK22029                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC13AA021 | 33UJK22030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA014 | 33UJK22030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA016 | 33UJK22004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA017 | 33UJK22004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA018 | 33UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA019 | 33UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA021 | 33UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA022 | 33UJK22030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC43AA003 | 33UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC13AA018 | 33UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC13AA022 | 33UJK18004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC13AA023 | 33UJK18004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC13AA024 | 33UJK18002                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC13AA026 | 33UJK18004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC13AA035 | 33UJK18004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                    | 30SAC23AA007 | 33UJK18002                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |



Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)    | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|-------------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|                                     |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |
| ACTUATOR FIRE DAMPER                | 30SAC23AA008 | 33UJK18004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC23AA010 | 33UJK18020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC23AA011 | 33UJK18020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC23AA013 | 33UJK18020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC23AA031 | 33UJK18004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC13AA030 | 33UJK14002                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC13AA032 | 33UJK14040                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC13AA033 | 33UJK14040                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC13AA034 | 33UJK14001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC23AA006 | 33UJK14020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC17AA001 | 33UJH05020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER                | 30SAC17AA002 | 33UJH05020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER                | 30SAC47AA001 | 33UJH10040                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER                | 30SAC47AA002 | 33UJH10040                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER                | 30SAC47AA003 | 33UJH10020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER                | 30SAC17AA003 | 33UJH01020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER                | 30SAC17AA004 | 33UJH01040                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER                | 30SAC17AA005 | 33UJH01040                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR SUPPLY AIR DAMPER          | 30SAC03AA003 | 33UJK34005                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR RECIRC AIR DAMPER          | 30SAC03AA004 | 33UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC13AA013 | 33UJK22002                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC13AA036 | 33UJK22004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| FAN MOTOR HEATER                    | 30SAC03AH501 | 33UJK31007                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| SUPPLY AIR FAN                      | 30SAC03AN001 | 33UJK31007                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| BATTERY ROOM SUPPLY AIR HEATER      | 30SAC13AH001 | 33UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| EXHAUST FAN                         | 30SAC33AN001 | 33UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| BATTERY ROOM EXHAUST FAN            | 30SAC53AN001 | 33UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| LAS PUMP ROOM RECIRC FAN            | 30SAC63AN001 | 33UJH01024                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| KAA PUMP ROOM RECIRC FAN            | 30SAC63AN002 | 33UJH01020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR EXHAUST AIR DAMPER         | 30SAC34AA002 | 34UJK22024                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR BATTERY ROOM EXHAUST       | 30SAC54AA003 | 34UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR BATTERY ROOM EXHAUST-MAINT | 30SAC54AA006 | 34UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| EXHAUST FAN MOTOR HEATER            | 30SAC34AH501 | 34UJK22039                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| EXHAUST FAN MOTOR                   | 30SAC34AN001 | 34UJK22039                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| BATTERY ROOM EXHAUST FAN MOTOR      | 30SAC54AN001 | 34UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC24AA001 | 34UJK34022                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC14AA010 | 34UJK34024                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC24AA003 | 34UJK34024                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC14AA008 | 34UJK22024                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC44AA003 | 34UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC48AA003 | 34UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC14AA011 | 34UJK18023                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC14AA012 | 34UJK18023                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC14AA015 | 34UJK18033                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC14AA016 | 34UJK18022                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                | 30SAC14AA017 | 34UJK18022                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|----------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|                                  |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |
| ACTUATOR FIRE DAMPER             | 30SAC14AA021 | 34UJK18027                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC24AA007 | 34UJK18025                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC24AA008 | 34UJK18024                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC24AA011 | 34UJK18031                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC24AA012 | 34UJK18031                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC24AA013 | 34UJK18031                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC44AA002 | 34UJK18024                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC44AA001 | 34UJK18024                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| BATTERY ROOM SUPPLY AIR HEATER   | 30SAC14AH001 | 34UJK18027                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC23AA032 | 33UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| EXHAUST FAN MOTOR HEATER         | 30SAC33AH501 | 33UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| HEAT TRACING OUTSIDE AIR         | 30SAC03AH001 | 33UJK38006                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| SUPPLY AIR HEATER                | 30SAC03AH002 | 33UJK31007                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR SUPPLY AIR DAMPER       | 30SAC04AA003 | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR RECIRC AIR DAMPER       | 30SAC04AA004 | 34UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| INLET HEAT TRACING               | 30SAC04AH001 | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| SUPPLY AIR HEATER                | 30SAC04AH002 | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| FAN MOTOR HEATER                 | 30SAC04AH501 | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| SUPPLY FAN                       | 30SAC04AN001 | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC24AA005 | 34UJK14026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| BATTERY ROOM SUPPLY AIR HEATER   | 30SAC14AH002 | 34UJK14026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC14AA022 | 34UJK14033                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC14AA024 | 34UJK14022                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC14AA028 | 34UJK14021                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC14AA029 | 34UJK14026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC24AA006 | 34UJK14031                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC14AA027 | 34UJK14026                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER             | 30SAC18AA001 | 34UJH10022                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER             | 30SAC18AA002 | 34UJH05021                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER             | 30SAC18AA004 | 34UJH05021                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER             | 30SAC18AA003 | 34UJH05022                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER             | 30SAC48AA001 | 34UJH05021                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER             | 30SAC48AA002 | 34UJH05021                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| SUPPLY AIR HEATER                | 30SAC18AH001 | 34UJH10024                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER             | 30SAC18AA006 | 34UJH05021                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER             | 30SAC18AA005 | 34UJH01022                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR FIRE DAMPER             | 30SAC18AA007 | 34UJH01022                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| KAA PUMP ROOM RECIRC FAN MOTOR   | 30SAC64AN002 | 34UJH01026                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| LAS PUMP ROOM RECIRC FAN MOTOR   | 30SAC64AN001 | 34UJH01024                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| SUPPLY AIR HEATER                | 30SAC14AH003 | 30UFA01001                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2) Y (5) Y (6)                  |
| ACTUATOR SUPPLY AIR DAMPER       | 30SAC02AA003 | 32UJK34005                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR RECIRC AIR DAMPER       | 30SAC02AA004 | 32UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| HEAT TRACING OUTSIDE AIR         | 30SAC02AH001 | 32UJK38006                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| SUPPLY AIR HEATER                | 30SAC02AH002 | 32UJK34008                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| FAN MOTOR HEATER                 | 30SAC02AH501 | 32UJK31007                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| SUPPLY AIR FAN                   | 30SAC02AN001 | 32UJK31007                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)         | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|--|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|  |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |
| ACTUATOR BATTERY ROOM EXHAUST-MAINT      | 30SAC52AA006 | 32UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| EXHAUST FAN MOTOR HEATER                 | 30SAC32AH501 | 32UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| EXHAUST FAN                              | 30SAC32AN001 | 32UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| BATTERY ROOM EXHAUST FAN                 | 30SAC52AN001 | 32UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA010 | 32UJK31020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA011 | 32UJK31020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA012 | 32UJK31021                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA023 | 32UJK31040                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA024 | 32UJK31040                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA025 | 32UJK31040                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA026 | 32UJK31036                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA027 | 32UJK31036                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA028 | 32UJK31020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA013 | 32UJK22002                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA015 | 32UJK22004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA016 | 32UJK22004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA017 | 32UJK22029                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA018 | 32UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR CONTROL DAMPER                  | 30SAC12AA020 | 32UJK22004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR EXHAUST AIR DIV 3 CONTROL DAMPE | 30SAC22AA015 | 32UJK22020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA016 | 32UJK22004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA017 | 32UJK22004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA018 | 32UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA019 | 32UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA021 | 32UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC42AA003 | 32UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| BATTERY ROOM SUPPLY AIR HEATER           | 30SAC12AH001 | 32UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR EXHAUST AIR CONTROL DAMPER      | 30SAC42AA001 | 32UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA022 | 32UJK18004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA023 | 32UJK18004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA024 | 32UJK18002                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA026 | 32UJK18004                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA035 | 32UJK18005                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA007 | 32UJK18002                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA008 | 32UJK18005                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA010 | 32UJK18020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA011 | 32UJK18020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA013 | 32UJK18020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA031 | 32UJK18005                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA030 | 32UJK14002                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR EXHAUST AIR DAMPER              | 30SAC32AA002 | 32UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR BATTERY ROOM EXHAUST            | 30SAC52AA003 | 32UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA032 | 32UJK14040                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA033 | 32UJK14040                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA034 | 32UJK14001                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA006 | 32UJK14020                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)         | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|--|---------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|  |               |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| ACTUATOR FIRE DAMPER                     | 30SAC22AA032  | 32UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| ACTUATOR FIRE DAMPER                     | 30SAC16AA001  | 32UJH05020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACTUATOR FIRE DAMPER                     | 30SAC46AA001  | 32UJH10040                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACTUATOR FIRE DAMPER                     | 30SAC16AA002  | 32UJH05020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACTUATOR FIRE DAMPER                     | 30SAC46AA002  | 32UJH10040                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACTUATOR FIRE DAMPER                     | 30SAC46AA003  | 32UJH10020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| LAS PUMP ROOM RECIRC FAN                 | 30SAC62AN001  | 32UJH01024                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| KAA PUMP ROOM RECIRC FAN                 | 30SAC62AN002  | 32UJH01020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACTUATOR FIRE DAMPER                     | 30SAC16AA003  | 32UJH01020                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACTUATOR FIRE DAMPER                     | 30SAC16AA004  | 32UJH01040                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACTUATOR FIRE DAMPER                     | 30SAC16AA005  | 32UJH01040                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| ACTUATOR FIRE DAMPER                     | 30SAC12AA036  | 32UJK22004                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC03CT501  | 33UJK34008                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC03CT502  | 33UJK34009                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| POSITION INDICATOR INLET CONTROL DAMPER  | 30SAC04CG003  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| POSITION INDICATOR RECIRC CONTROL DAMPER | 30SAC04CG004  | 34UJK22028                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SUPPLY AIR HUMIDITY SENSOR               | 30SAC04CM002  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SUPPLY AIR HUMIDITY SENSOR               | 30SAC04CM003  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| FILTER BANK DIFF PRESSURE SENSOR         | 30SAC04CP001  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| PRE FILTER DIFF PRESSURE SENSOR          | 30SAC04CP501  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| FILTER DIFFERENTIAL PRESSURE SENSOR      | 30SAC04CP502  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| OUTSIDE AIR TEMPERATURE SENSOR           | 30SAC04CT001  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| OUTSIDE AIR TEMPERATURE SENSOR           | 30SAC04CT002  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC04CT003  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SWITCHGEAR EXHAUST AIR TEMP SENSOR       | 30SAC21CT001  | 31UJK18025                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SWITCHGEAR EXHAUST AIR TEMP SENSOR       | 30SAC21CT002  | 31UJK18028                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC03CT006  | 33UJK31005                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC04CT004  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC04CT005  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC04CT006  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC04CT501  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC04CT502  | 34UJK22026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| POSITION INDICATOR MAINT EXHAUST AIR     | 30SAC22CG001A | 32UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| POSITION INDICATOR MAINT EXHAUST AIR     | 30SAC22CG001B | 32UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SWITCHGEAR EXHAUST AIR TEMP SENSOR       | 30SAC22CT001  | 32UJK18020                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SWITCHGEAR EXHAUST AIR TEMP SENSOR       | 30SAC22CT002  | 32UJK18002                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| POSITION INDICATOR MAINT EXHAUST AIR     | 30SAC23CG001A | 33UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| POSITION INDICATOR MAINT EXHAUST AIR     | 30SAC23CG001B | 33UJK31032                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SWITCHGEAR EXHAUST AIR TEMP SENSOR       | 30SAC23CT001  | 33UJK18020                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| BATTERY ROOM SUPPLY AIR FLOW SENSOR      | 30SAC11CF001  | 31UJK18027                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| BATTERY RM SUPPLY AIR FLOW SENSOR        | 30SAC11CF002  | 31UJK14026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SUPPLY AIR FLOW SENSOR                   | 30SAC11CF003  | 31UJK26026                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| POSITION INDICATOR MAINT SUPPLY AIR      | 30SAC11CG003A | 31UJK22024                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| POSITION INDICATOR MAINT SUPPLY AIR      | 30SAC11CG003B | 31UJK22024                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| BATTERY ROOM SUPPLY AIR TEMP SENSOR      | 30SAC11CT001  | 31UJK18027                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |
| SWITCHGEAR EXHAUST AIR TEMP SENSOR       | 30SAC23CT002  | 33UJK18002                              | M                             | M                               |  | SI S                                  | 1E EMC                   |                                    | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)         | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |                   |
|--|---------------|---|-------------------------------|---------------------------------|---------------------------------------|--------------------------|------------------------------------|-------------------|
|  |               |   |                               | Environment<br>Zone<br>(Note 2) |                                       |                          |                                    |                   |
| SWITCHGEAR RM AIR TEMP SENSOR            | 30SAC23CT006  | 33UJK18020                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| SWITCHGEAR EXHAUST AIR TEMP SENSOR       | 30SAC24CT001  | 34UJK18025                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| BATTERY RM AIR TEMPERATURE SENSOR        | 30SAC11CT002  | 31UJK18028                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| I&C AREA TEMPERATURE SENSOR              | 30SAC11CT003  | 31UJK18024                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| BATTERY RM SUPPLY AIR TEMPERATURE SENSOR | 30SAC11CT004  | 31UJH01026                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| BATTERY ROOM AIR TEMPERATURE SENSOR      | 30SAC11CT005  | 31UJK14028                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| SWITCHGEAR RM AIR TEMP SENSOR            | 30SAC11CT006  | 31UJK18026                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| SUPPLY AIR HEATER TEMPERATURE SEN        | 30SAC11CT008  | 31UJK26024                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| RM AIR TEMPERATURE SENSOR                | 30SAC11CT009  | 31UJK26026                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| SWITCHGEAR EXHAUST AIR TEMP SENSOR       | 30SAC24CT002  | 34UJK18028                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| POSITION INDICATOR EXH CONTROL DAMPER    | 30SAC31CG002  | 31UJK22039                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| POSITION INDICATOR EXH CONTROL DAMPER    | 30SAC32CG002  | 32UJK31032                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| POSITION INDICATOR EXH CONTROL DAMPER    | 30SAC33CG002  | 33UJK31032                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| POSITION INDICATOR EXH CONTROL DAMPER    | 30SAC34CG002  | 34UJK22039                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| BATTERY ROOM SUPPLY AIR FLOW SENSOR      | 30SAC12CF001  | 32UJK22028                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| POSITION INDICATOR MAINT SUPPLY AIR      | 30SAC12CG005A | 32UJK31041                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| POSITION INDICATOR MAINT SUPPLY AIR      | 30SAC12CG005B | 32UJK31041                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| BATTERY ROOM SUPPLY AIR TEMP SENSOR      | 30SAC12CT001  | 32UJK22028                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| BATTERY RM AIR TEMPERATURE SENSOR        | 30SAC12CT002  | 32UJK22028                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| I&C AREA TEMPERATURE SENSOR              | 30SAC12CT003  | 32UJK18004                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| CONTROLLED AREA EXHAUST CONTROL DAMPER   | 30SAC41CF001  | 31UJK18024                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| BATTERY ROOM EXHAUST FLOW SENSOR         | 30SAC42CF001  | 32UJK22028                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| BATTERY ROOM EXHAUST FLOW SENSOR         | 30SAC43CF001  | 33UJK22028                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| SWITCHGEAR RM AIR TEMP SENSOR            | 30SAC12CT006  | 32UJK18020                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| SWITCHGEAR RM AIR TEMP SENSOR            | 30SAC12CT007  | 32UJK22029                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| CONTROLLED AREA EXHAUST CONTROL DAMPER   | 30SAC44CF001  | 34UJK18024                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| BATTERY ROOM SUPPLY AIR FLOW SENSOR      | 30SAC13CF001  | 33UJK22028                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| POSITION INDICATOR MAINT SUPPLY AIR      | 30SAC13CG005A | 33UJK31041                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| POSITION INDICATOR MAINT SUPPLY AIR      | 30SAC13CG005B | 33UJK31041                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| BATTERY ROOM SUPPLY AIR TEMP SENSOR      | 30SAC13CT001  | 33UJK22028                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| BATTERY RM AIR TEMPERATURE SENSOR        | 30SAC13CT002  | 33UJK22028                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| I&C AREA TEMPERATURE SENSOR              | 30SAC13CT003  | 33UJK18004                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| SWITCHGEAR RM AIR TEMP SENSOR            | 30SAC13CT007  | 33UJK22029                              | M                             | M                               | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| LAS PUMP ROOM TEMPERATURE SENSOR         | 30SAC61CT001  | 31UJH01024                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| LAS PUMP ROOM TEMPERATURE SENSOR         | 30SAC61CT002  | 31UJH01024                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| KAA PUMP ROOM TEMPERATURE SENSOR         | 30SAC61CT003  | 31UJH01026                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| KAA PUMP ROOM TEMPERATURE SENSOR         | 30SAC61CT004  | 31UJH01026                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| LAS PUMP ROOM TEMPERATURE SENSOR         | 30SAC62CT001  | 32UJH01024                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| LAS PUMP ROOM TEMPERATURE SENSOR         | 30SAC62CT002  | 32UJH01024                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| KAA PUMP ROOM TEMPERATURE SENSOR         | 30SAC62CT003  | 32UJH01020                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| KAA PUMP ROOM TEMPERATURE SENSOR         | 30SAC62CT004  | 32UJH01020                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| LAS PUMP ROOM TEMPERATURE SENSOR         | 30SAC63CT001  | 33UJH01024                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| LAS PUMP ROOM TEMPERATURE SENSOR         | 30SAC63CT002  | 33UJH01024                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| KAA PUMP ROOM TEMPERATURE SENSOR         | 30SAC63CT003  | 33UJH01020                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| KAA PUMP ROOM TEMPERATURE SENSOR         | 30SAC63CT004  | 33UJH01020                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| LAS PUMP ROOM TEMPERATURE SENSOR         | 30SAC64CT001  | 34UJH01024                              | M                             | H                               | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 86 of 102)

| Name Tag (Equipment Description)         | Tag Number    | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |       |       |
|--|---------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------|-------|-------|
|  |               |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |       |       |       |
| LAS PUMP ROOM TEMPERATURE SENSOR         | 30SAC64CT002  | 34UJH01024                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| KAA PUMP ROOM TEMPERATURE SENSOR         | 30SAC64CT003  | 34UJH01026                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| POSITION INDICATOR INLET CONTROL DAMPER  | 30SAC01CG003  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| POSITION INDICATOR RECIRC CONTROL DAMPER | 30SAC01CG004  | 31UJK22028                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| KAA PUMP ROOM TEMPERATURE SENSOR         | 30SAC64CT004  | 34UJH01026                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| SUPPLY AIR HUMIDITY SENSOR               | 30SAC01CM002  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR HUMIDITY SENSOR               | 30SAC01CM003  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| FILTER BANK DIFF PRESSURE SENSOR         | 30SAC01CP001  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| PRE FILTER DIFF PRESSURE SENSOR          | 30SAC01CP501  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| FILTER DIFFERENTIAL PRESSURE SENSOR      | 30SAC01CP502  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| OUTSIDE AIR TEMPERATURE SENSOR           | 30SAC01CT001  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| OUTSIDE AIR TEMPERATURE SENSOR           | 30SAC01CT002  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC01CT003  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC01CT004  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC01CT005  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC01CT006  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC01CT501  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC01CT502  | 31UJK22026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| BATTERY ROOM SUPPLY AIR FLOW SENSOR      | 30SAC14CF001  | 34UJK18027                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| BATTERY RM SUPPLY AIR FLOW SENSOR        | 30SAC14CF002  | 34UJK14026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR FLOW SENSOR                   | 30SAC14CF003  | 34UJK26026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| POSITION INDICATOR MAINT SUPPLY AIR      | 30SAC14CG003A | 34UJK22024                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| POSITION INDICATOR MAINT SUPPLY AIR      | 30SAC14CG003B | 34UJK22024                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| BATTERY ROOM SUPPLY AIR TEMP SENSOR      | 30SAC14CT001  | 34UJK18027                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| BATTERY RM AIR TEMPERATURE SENSOR        | 30SAC14CT002  | 34UJK18028                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| I&C AREA TEMPERATURE SENSOR              | 30SAC14CT003  | 34UJK18024                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| BATTERY RM SUPPLY AIR TEMPERATURE SENSOR | 30SAC14CT004  | 34UJH01026                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| BATTERY ROOM AIR TEMPERATURE SENSOR      | 30SAC14CT005  | 34UJK14028                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SWITCHGEAR RM AIR TEMP SENSOR            | 30SAC14CT006  | 34UJK18026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR HEATER TEMPERATURE SEN        | 30SAC14CT008  | 34UJK26024                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| RM AIR TEMPERATURE SENSOR                | 30SAC14CT009  | 34UJK26026                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR FLOW SENSOR                   | 30SAC15CF001  | 31UJH10024                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| SUPPLY AIR HEATER TEMPERATURE SEN        | 30SAC15CT001  | 31UJH10024                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| RM AIR TEMPERATURE SENSOR                | 30SAC15CT002  | 31UJH10024                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| POSITION INDICATOR INLET CONTROL DAMPER  | 30SAC03CG003  | 33UJK34005                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| POSITION INDICATOR RECIRC CONTROL DAMPER | 30SAC03CG004  | 33UJK31018                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR HUMIDITY SENSOR               | 30SAC03CM002  | 33UJK31005                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR HUMIDITY SENSOR               | 30SAC03CM003  | 33UJK31005                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| PRE FILTER DIFF PRESSURE SENSOR          | 30SAC03CP501  | 33UJK31018                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| FILTER DIFFERENTIAL PRESSURE SENSOR      | 30SAC03CP502  | 33UJK31018                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| OUTSIDE AIR TEMPERATURE SENSOR           | 30SAC03CT001  | 33UJK38006                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| OUTSIDE AIR TEMPERATURE SENSOR           | 30SAC03CT002  | 33UJK38006                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC03CT003  | 33UJK34008                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC03CT004  | 33UJK34008                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR TEMPERATURE SENSOR            | 30SAC03CT005  | 33UJK34008                              | M                             | M                               |  | SI                                    | S                        | 1E EMC                             |       | Y (5) | Y (6) |
| SUPPLY AIR FLOW SENSOR                   | 30SAC18CF001  | 34UJH10024                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)               | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |       |       |
|--|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------|-------|-------|
|  |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |       |       |       |
| SUPPLY AIR HEATER TEMPERATURE SEN              | 30SAC18CT001 | 34UJH10024                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| RM AIR TEMPERATURE SENSOR                      | 30SAC18CT002 | 34UJH10024                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| <b>Fuel Building Ventilation System (FBVS)</b> |              |   |                               |                                 |  |                                       |                          |                                    |       |       |       |
| Emer Pushbutton FP                             | 30KLL10EY001 | 30UFA29015                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| Emer Pushbutton FP                             | 30KLL10EY002 | 30UFA29015                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| KLL11 Louver Damper                            | 30KLL11AA001 | 30UFA29090                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| Sup Iso Dmpr, Fuel Hdlg Hall Div 1             | 30KLL11AA002 | 30UFA29045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| Sup Iso Dmpr, Emer Airlock Div 1               | 30KLL11AA003 | 30UFA29005                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| Sup Iso Dmpr, Equip Hatch Div 4                | 30KLL14AA001 | 30UFA29090                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| Sup Iso Dmpr, Fuel Hdlg Hall Div 4             | 30KLL14AA002 | 30UFA29090                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| Sup Iso Dmpr, Emer Airlock Div 4               | 30KLL14AA003 | 30UFA29004                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| KLL21 Louver Damper                            | 30KLL21AA001 | 30UFA29090                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| KLL24 Louver Damper                            | 30KLL21AA003 | 30UFA29005                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| Exh Iso Dmpr, Equip Hatch Div 4                | 30KLL24AA001 | 30UFA29090                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| Exh Iso Dmpr, Fuel Hdlg Hall Div 4             | 30KLL24AA002 | 30UFA29045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| KLL21 Louver Damper 2                          | 30KLL24AA003 | 30UFA29004                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 1 Air Heater, Boron RM                         | 30KLL61AH001 | 30UFA01038                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 2 Air Heater, Boron RM                         | 30KLL61AH002 | 30UFA01035                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 3 Air Heater, Boron RM                         | 30KLL61AH003 | 30UFA01035                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 4 Air Heater, Boron RM                         | 30KLL61AH004 | 30UFA03006                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 5 Air Heater, Boron RM                         | 30KLL61AH005 | 30UFA03006                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 6 Air Heater, Boron RM                         | 30KLL61AH008 | 30UFA06035                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 7 Air Heater, Boron RM                         | 30KLL61AH009 | 30UFA06035                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 8 Air Heater, Boron RM                         | 30KLL61AH010 | 30UFA06036                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 9 Air Heater, Boron RM                         | 30KLL61AH011 | 30UFA06036                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 10 Air Heater, Boron RM                        | 30KLL61AH012 | 30UFA01049                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 11 Air Heater, Boron RM                        | 30KLL61AH013 | 30UFA01049                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 12 Air Heater, Boron RM                        | 30KLL61AH014 | 30UFA06045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 13 Air Heater, Boron RM                        | 30KLL61AH015 | 30UFA06045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 14 Air Heater, Boron RM                        | 30KLL61AH018 | 30UFA10039                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 15 Air Heater, Boron RM                        | 30KLL61AH019 | 30UFA10045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 16 Air Heater, Boron RM                        | 30KLL61AH020 | 30UFA10045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 17 Air Heater, Boron RM                        | 30KLL61AH023 | 30UFA13071                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 18 Air Heater, Boron RM                        | 30KLL61AH024 | 30UFA13071                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 19 Air Heater, Boron RM                        | 30KLL61AH025 | 30UFA03006                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 20 Air Heater, Boron RM                        | 30KLL61AH026 | 30UFA15045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 21 Air Heater, Boron RM                        | 30KLL61AH027 | 30UFA15045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 22 Air Heater, Boron RM                        | 30KLL61AH028 | 30UFA15045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 23 Air Heater, Boron RM                        | 30KLL61AH029 | 30UFA18045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 24 Air Heater, Boron RM                        | 30KLL61AH030 | 30UFA18045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 25 Air Heater, Boron RM                        | 30KLL61AH032 | 30UFA21045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 26 Air Heater, Boron RM                        | 30KLL61AH033 | 30UFA21045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |
| 27 Air Heater, Boron RM                        | 30KLL61AH035 | 30UFA18045                              | M                             | H                               |  | SI                                    | S                        | 1E EMC                             | Y (2) | Y (5) | Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 88 of 102)

| Name Tag (Equipment Description)  | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|-----------------------------------|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                   |              |   |                               |  |                                       |                          |                                    |             |
| 28 Air Heater, Boron RM           | 30KLL61AH039 | 30UFA24071                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 29 Air Heater, Boron RM           | 30KLL61AH042 | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 30 Air Heater, Boron RM           | 30KLL61AH043 | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 31 Air Heater, Boron RM           | 30KLL61AH044 | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 32 Air Heater, Boron RM           | 30KLL61AH048 | 30UFA24071                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 33 Air Heater, Boron RM           | 30KLL61AH049 | 30UFA05004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 34 Air Heater, Boron RM           | 30KLL61AH050 | 30UFA05004                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 35 Air Heater, Boron RM           | 30KLL61AH053 | 30UFA01038                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 36 Air Heater, Boron RM           | 30KLL61AH055 | 30UFA10039                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 37 Air Heater, Boron RM           | 30KLL61AH056 | 30UFA06045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 38 Air Heater, Boron RM           | 30KLL61AH058 | 30UFA10045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 Recirc Fan, Ex Borating Pump RM | 30KLL61AN001 | 30UFA01038                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 Recirc Fan, FP Cooling Pump RM  | 30KLL61AN002 | 30UFA01026                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 3 Recirc Fan, FP Cooling Pump RM  | 30KLL61AN003 | 30UFA01027                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA01038              | 30KLL61CT001 | 30UFA01038                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA01035              | 30KLL61CT002 | 30UFA01035                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA01035              | 30KLL61CT003 | 30UFA01035                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA03006              | 30KLL61CT004 | 30UFA03006                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA03006              | 30KLL61CT005 | 30UFA03006                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA06035              | 30KLL61CT008 | 30UFA06035                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA06035              | 30KLL61CT009 | 30UFA06035                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA06036              | 30KLL61CT010 | 30UFA06036                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA06036              | 30KLL61CT011 | 30UFA06036                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA01049              | 30KLL61CT012 | 30UFA01049                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA01049              | 30KLL61CT013 | 30UFA01049                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA06045              | 30KLL61CT014 | 30UFA06045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA06045              | 30KLL61CT015 | 30UFA06045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA10039              | 30KLL61CT018 | 30UFA10039                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA10045              | 30KLL61CT019 | 30UFA10045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA10045              | 30KLL61CT020 | 30UFA10045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA13071              | 30KLL61CT023 | 30UFA13071                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA13071              | 30KLL61CT024 | 30UFA13071                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA03006                | 30KLL61CT025 | 30UFA03006                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA15045              | 30KLL61CT026 | 30UFA15045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA15045              | 30KLL61CT027 | 30UFA15045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 3 TEMP ROOM UFA15045              | 30KLL61CT028 | 30UFA15045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 4 TEMP ROOM UFA18045              | 30KLL61CT029 | 30UFA18045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 5 TEMP ROOM UFA18045              | 30KLL61CT030 | 30UFA18045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA21045              | 30KLL61CT032 | 30UFA21045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA21045              | 30KLL61CT033 | 30UFA21045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 6 TEMP ROOM UFA18045              | 30KLL61CT035 | 30UFA18045                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA24071              | 30KLL61CT039 | 30UFA24071                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA01033              | 30KLL61CT042 | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA01033              | 30KLL61CT043 | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 3 TEMP ROOM UFA01033              | 30KLL61CT044 | 30UFA01033                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA24071              | 30KLL61CT048 | 30UFA24071                              | M                             | H  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |



Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|----------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                  |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| 1 TEMP ROOM UFA05004             | 30KLL61CT049 | 30UFA05004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA05004             | 30KLL61CT050 | 30UFA05004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA01038             | 30KLL61CT053 | 30UFA01038                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA10039             | 30KLL61CT055 | 30UFA10039                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06045               | 30KLL61CT056 | 30UFA06045                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA10045               | 30KLL61CT058 | 30UFA10045                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA01038               | 30KLL61CT101 | 30UFA01038                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA01035               | 30KLL61CT102 | 30UFA01035                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA03006               | 30KLL61CT104 | 30UFA03006                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06035               | 30KLL61CT108 | 30UFA06035                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06036               | 30KLL61CT110 | 30UFA06036                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA01049               | 30KLL61CT112 | 30UFA01049                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06045               | 30KLL61CT114 | 30UFA06045                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA10039               | 30KLL61CT118 | 30UFA10039                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA10045               | 30KLL61CT119 | 30UFA10045                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA13071               | 30KLL61CT123 | 30UFA13071                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA15045               | 30KLL61CT126 | 30UFA15045                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA18045               | 30KLL61CT129 | 30UFA18045                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA21045               | 30KLL61CT132 | 30UFA21045                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA24071               | 30KLL61CT139 | 30UFA24071                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA01033               | 30KLL61CT142 | 30UFA01033                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA05004               | 30KLL61CT149 | 30UFA05004                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA01026               | 30KLL61CT198 | 30UFA01026                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA01027               | 30KLL61CT199 | 30UFA01027                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 39 Air Heater, Boron RM          | 30KLL64AH001 | 30UFA01082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 40 Air Heater, Boron RM          | 30KLL64AH002 | 30UFA01082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 41 Air Heater, Boron RM          | 30KLL64AH003 | 30UFA01088                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 42 Air Heater, Boron RM          | 30KLL64AH004 | 30UFA10071                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 43 Air Heater, Boron RM          | 30KLL64AH005 | 30UFA10071                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 44 Air Heater, Boron RM          | 30KLL64AH006 | 30UFA03057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 45 Air Heater, Boron RM          | 30KLL64AH007 | 30UFA03057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 46 Air Heater, Boron RM          | 30KLL64AH008 | 30UFA03057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 47 Air Heater, Boron RM          | 30KLL64AH009 | 30UFA03057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 48 Air Heater, Boron RM          | 30KLL64AH010 | 30UFA03057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 49 Air Heater, Boron RM          | 30KLL64AH011 | 30UFA05076                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 50 Air Heater, Boron RM          | 30KLL64AH012 | 30UFA05076                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 51 Air Heater, Boron RM          | 30KLL64AH013 | 30UFA06082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 52 Air Heater, Boron RM          | 30KLL64AH014 | 30UFA06084                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 53 Air Heater, Boron RM          | 30KLL64AH015 | 30UFA06085                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 54 Air Heater, Boron RM          | 30KLL64AH016 | 30UFA06086                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 55 Air Heater, Boron RM          | 30KLL64AH017 | 30UFA06095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 56 Air Heater, Boron RM          | 30KLL64AH018 | 30UFA06095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 57 Air Heater, Boron RM          | 30KLL64AH019 | 30UFA10070                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 58 Air Heater, Boron RM          | 30KLL64AH020 | 30UFA10082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 59 Air Heater, Boron RM          | 30KLL64AH021 | 30UFA10089                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 60 Air Heater, Boron RM          | 30KLL64AH022 | 30UFA10095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|----------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                  |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| 61 Air Heater, Boron RM          | 30KLL64AH023 | 30UFA10095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 62 Air Heater, Boron RM          | 30KLL64AH024 | 30UFA13025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 63 Air Heater, Boron RM          | 30KLL64AH025 | 30UFA13025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 64 Air Heater, Boron RM          | 30KLL64AH026 | 30UFA13025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 65 Air Heater, Boron RM          | 30KLL64AH027 | 30UFA13025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 66 Air Heater, Boron RM          | 30KLL64AH028 | 30UFA13070                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 67 Air Heater, Boron RM          | 30KLL64AH029 | 30UFA13070                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 68 Air Heater, Boron RM          | 30KLL64AH030 | 30UFA17025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 69 Air Heater, Boron RM          | 30KLL64AH031 | 30UFA17025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 70 Air Heater, Boron RM          | 30KLL64AH032 | 30UFA17057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 71 Air Heater, Boron RM          | 30KLL64AH033 | 30UFA17057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 72 Air Heater, Boron RM          | 30KLL64AH034 | 30UFA17056                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 73 Air Heater, Boron RM          | 30KLL64AH035 | 30UFA17056                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 74 Air Heater, Boron RM          | 30KLL64AH036 | 30UFA17072                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 75 Air Heater, Boron RM          | 30KLL64AH037 | 30UFA17072                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 76 Air Heater, Boron RM          | 30KLL64AH038 | 30UFA21057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 77 Air Heater, Boron RM          | 30KLL64AH039 | 30UFA21057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 78 Air Heater, Boron RM          | 30KLL64AH040 | 30UFA21057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 79 Air Heater, Boron RM          | 30KLL64AH042 | 30UFA21072                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 80 Air Heater, Boron RM          | 30KLL64AH043 | 30UFA21072                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 81 Air Heater, Boron RM          | 30KLL64AH044 | 30UFA21095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 82 Air Heater, Boron RM          | 30KLL64AH045 | 30UFA21095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 83 Air Heater, Boron RM          | 30KLL64AH046 | 30UFA21095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 84 Air Heater, Boron RM          | 30KLL64AH047 | 30UFA17025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 85 Air Heater, Boron RM          | 30KLL64AH048 | 30UFA24070                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 86 Air Heater, Boron RM          | 30KLL64AH049 | 30UFA24070                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 87 Air Heater, Boron RM          | 30KLL64AH050 | 30UFA24072                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 88 Air Heater, Boron RM          | 30KLL64AH051 | 30UFA24072                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 89 Air Heater, Boron RM          | 30KLL64AH052 | 30UFA24080                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 90 Air Heater, Boron RM          | 30KLL64AH053 | 30UFA24080                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 91 Air Heater, Boron RM          | 30KLL64AH054 | 30UFA24095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 92 Air Heater, Boron RM          | 30KLL64AH055 | 30UFA24095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 93 Air Heater, Boron RM          | 30KLL64AH059 | 30UFA10070                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 94 Air Heater, Boron RM          | 30KLL64AH062 | 30UFA01083                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 95 Air Heater, Boron RM          | 30KLL64AH063 | 30UFA01083                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 96 Air Heater, Boron RM          | 30KLL64AH065 | 30UFA01085                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 97 Air Heater, Boron RM          | 30KLL64AH066 | 30UFA01085                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 98 Air Heater, Boron RM          | 30KLL64AH069 | 30UFA05054                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 99 Air Heater, Boron RM          | 30KLL64AH070 | 30UFA05054                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 100 Air Heater, Boron RM         | 30KLL64AH071 | 30UFA05076                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 101 Air Heater, Boron RM         | 30KLL64AH077 | 30UFA17025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 102 Air Heater, Boron RM         | 30KLL64AH078 | 30UFA24081                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 103 Air Heater, Boron RM         | 30KLL64AH079 | 30UFA24081                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 104 Air Heater, Boron RM         | 30KLL64AH080 | 30UFA24095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 105 Air Heater, Boron RM         | 30KLL64AH084 | 30UFA06082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 106 Air Heater, Boron RM         | 30KLL64AH085 | 30UFA10082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 91 of 102)

| Name Tag (Equipment Description)  | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|-----------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                   |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| 107 Air Heater, Boron RM          | 30KLL64AH086 | 30UFA01088                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 108 Air Heater, Boron RM          | 30KLL64AH087 | 30UFA03057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 109 Air Heater, Boron RM          | 30KLL64AH092 | 30UFA06084                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 110 Air Heater, Boron RM          | 30KLL64AH093 | 30UFA06085                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 111 Air Heater, Boron RM          | 30KLL64AH094 | 30UFA06086                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 112 Air Heater, Boron RM          | 30KLL64AH095 | 30UFA06095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 114 Air Heater, Boron RM          | 30KLL64AH097 | 30UFA10089                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 115 Air Heater, Boron RM          | 30KLL64AH098 | 30UFA10095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 4 Recirc Fan, Ex Borating Pump RM | 30KLL64AN001 | 30UFA01088                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 5 Recirc Fan, FP Cooling Pump RM  | 30KLL64AN002 | 30UFA01076                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 6 Recirc Fan, FP Cooling Pump RM  | 30KLL64AN003 | 30UFA01077                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA01082              | 30KLL64CT001 | 30UFA01082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA01082              | 30KLL64CT002 | 30UFA01082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA01088                | 30KLL64CT003 | 30UFA01088                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA10071              | 30KLL64CT004 | 30UFA10071                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA10071              | 30KLL64CT005 | 30UFA10071                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA03057              | 30KLL64CT006 | 30UFA03057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA03057              | 30KLL64CT007 | 30UFA03057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 3 TEMP ROOM UFA03057              | 30KLL64CT008 | 30UFA03057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 4 TEMP ROOM UFA03057              | 30KLL64CT009 | 30UFA03057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 5 TEMP ROOM UFA03057              | 30KLL64CT010 | 30UFA03057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA05076              | 30KLL64CT011 | 30UFA05076                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA05076              | 30KLL64CT012 | 30UFA05076                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06082                | 30KLL64CT013 | 30UFA06082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06082                | 30KLL64CT013 | 30UFA06082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06084                | 30KLL64CT014 | 30UFA06084                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06084                | 30KLL64CT014 | 30UFA06084                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06085                | 30KLL64CT015 | 30UFA06085                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06085                | 30KLL64CT015 | 30UFA06085                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06086                | 30KLL64CT016 | 30UFA06086                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06086                | 30KLL64CT016 | 30UFA06086                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA06095              | 30KLL64CT017 | 30UFA06095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA06095              | 30KLL64CT018 | 30UFA06095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA10070                | 30KLL64CT019 | 30UFA10070                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA10082                | 30KLL64CT020 | 30UFA10082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA10089                | 30KLL64CT021 | 30UFA10089                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA10095              | 30KLL64CT022 | 30UFA10095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA10095              | 30KLL64CT023 | 30UFA10095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA13025              | 30KLL64CT024 | 30UFA13025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA13025              | 30KLL64CT025 | 30UFA13025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 3 TEMP ROOM UFA13025              | 30KLL64CT026 | 30UFA13025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 4 TEMP ROOM UFA13025              | 30KLL64CT027 | 30UFA13025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA13070              | 30KLL64CT028 | 30UFA13070                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA13070              | 30KLL64CT029 | 30UFA13070                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA17025              | 30KLL64CT030 | 30UFA17025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA17025              | 30KLL64CT031 | 30UFA17025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description) | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |             |
|----------------------------------|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------|
|                                  |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |             |
| 1 TEMP ROOM UFA17057             | 30KLL64CT032 | 30UFA17057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA17057             | 30KLL64CT033 | 30UFA17057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA17056             | 30KLL64CT034 | 30UFA17056                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA17056             | 30KLL64CT035 | 30UFA17056                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA17072             | 30KLL64CT036 | 30UFA17072                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA17072             | 30KLL64CT037 | 30UFA17072                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA21057             | 30KLL64CT038 | 30UFA21057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA21057             | 30KLL64CT039 | 30UFA21057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 3 TEMP ROOM UFA21057             | 30KLL64CT040 | 30UFA21057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA21072             | 30KLL64CT042 | 30UFA21072                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA21072             | 30KLL64CT043 | 30UFA21072                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA21095             | 30KLL64CT044 | 30UFA21095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA21095             | 30KLL64CT045 | 30UFA21095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 3 TEMP ROOM UFA21095             | 30KLL64CT046 | 30UFA21095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA24070             | 30KLL64CT048 | 30UFA24070                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA24070             | 30KLL64CT049 | 30UFA24070                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA24072             | 30KLL64CT050 | 30UFA24072                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA24072             | 30KLL64CT051 | 30UFA24072                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA24080             | 30KLL64CT052 | 30UFA24080                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA24080             | 30KLL64CT053 | 30UFA24080                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA24095             | 30KLL64CT054 | 30UFA24095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA24095             | 30KLL64CT055 | 30UFA24095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA10070               | 30KLL64CT059 | 30UFA10070                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA01083             | 30KLL64CT062 | 30UFA01083                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA01083             | 30KLL64CT063 | 30UFA01083                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA01085             | 30KLL64CT065 | 30UFA01085                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA01085             | 30KLL64CT066 | 30UFA01085                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA05054             | 30KLL64CT069 | 30UFA05054                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA05054             | 30KLL64CT070 | 30UFA05054                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA05076               | 30KLL64CT071 | 30UFA05076                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA17025               | 30KLL64CT077 | 30UFA17025                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA24081             | 30KLL64CT078 | 30UFA24081                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA24081             | 30KLL64CT079 | 30UFA24081                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA24095               | 30KLL64CT080 | 30UFA24095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 1 TEMP ROOM UFA06082             | 30KLL64CT084 | 30UFA06082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| 2 TEMP ROOM UFA10082             | 30KLL64CT085 | 30UFA10082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA01088               | 30KLL64CT086 | 30UFA01088                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA03057               | 30KLL64CT087 | 30UFA03057                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06084               | 30KLL64CT092 | 30UFA06084                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06085               | 30KLL64CT093 | 30UFA06085                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06086               | 30KLL64CT094 | 30UFA06086                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA06095               | 30KLL64CT095 | 30UFA06095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA10089               | 30KLL64CT097 | 30UFA10089                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA10095               | 30KLL64CT098 | 30UFA10095                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA01082               | 30KLL64CT101 | 30UFA01082                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |
| TEMP ROOM UFA01088               | 30KLL64CT103 | 30UFA01088                              | M                             | H                               |  | SI S                                  | 1E EMC                   | Y (2)                              | Y (5) Y (6) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 93 of 102)

| Name Tag (Equipment Description)                         | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |                   |
|--|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|-------------------|
|  |              |   |                               |  |                                       |                          |                                    |                   |
| TEMP ROOM UFA10071                                       | 30KLL64CT104 | 30UFA10071                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| 1 TEMP ROOM UFA03057                                     | 30KLL64CT106 | 30UFA03057                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| 2 TEMP ROOM UFA03057                                     | 30KLL64CT109 | 30UFA03057                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA05076                                       | 30KLL64CT111 | 30UFA05076                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA06082                                       | 30KLL64CT113 | 30UFA06082                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA06084                                       | 30KLL64CT114 | 30UFA06084                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA06085                                       | 30KLL64CT115 | 30UFA06085                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA06086                                       | 30KLL64CT116 | 30UFA06086                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA06095                                       | 30KLL64CT117 | 30UFA06095                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA10070                                       | 30KLL64CT119 | 30UFA10070                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA10082                                       | 30KLL64CT120 | 30UFA10082                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA10089                                       | 30KLL64CT121 | 30UFA10089                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA10095                                       | 30KLL64CT122 | 30UFA10095                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA13025                                       | 30KLL64CT124 | 30UFA13025                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA13070                                       | 30KLL64CT129 | 30UFA13070                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA17025                                       | 30KLL64CT130 | 30UFA17025                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA17057                                       | 30KLL64CT132 | 30UFA17057                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA17056                                       | 30KLL64CT134 | 30UFA17056                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA17072                                       | 30KLL64CT136 | 30UFA17072                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| 1 TEMP ROOM UFA21057                                     | 30KLL64CT138 | 30UFA21057                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| 2 TEMP ROOM UFA21057                                     | 30KLL64CT140 | 30UFA21057                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA21072                                       | 30KLL64CT142 | 30UFA21072                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA21095                                       | 30KLL64CT144 | 30UFA21095                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA24070                                       | 30KLL64CT149 | 30UFA24070                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA24072                                       | 30KLL64CT150 | 30UFA24072                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA24080                                       | 30KLL64CT152 | 30UFA24080                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA24095                                       | 30KLL64CT154 | 30UFA24095                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA01083                                       | 30KLL64CT162 | 30UFA01083                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA01085                                       | 30KLL64CT165 | 30UFA01085                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA05054                                       | 30KLL64CT169 | 30UFA05054                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA24081                                       | 30KLL64CT178 | 30UFA24081                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA01076                                       | 30KLL64CT198 | 30UFA01076                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| TEMP ROOM UFA01077                                       | 30KLL64CT199 | 30UFA01077                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| 3 PRESS FP RM  | 30KLL81CP020 | 30UFA29015                              | M                             | H  | SI                                    | S                        | 1E EMC                             | Y (2) Y (5) Y (6) |
| <b>Main Control Room Air Conditioning System (CRACS)</b> |              |   |                               |  |                                       |                          |                                    |                   |
| Inlet Fire Damper - Div 1                                | 30SAB01AA001 | 32UJK31034                              | M                             | M  | SII                                   | NS-AQ                    | EMC                                | Y (5) Y (6)       |
| Inlet Isolation Damper - Div 1                           | 30SAB01AA002 | 32UJK31034                              | M                             | M  | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| Makeup Air Isolation Damper - Div 1                      | 30SAB01AA003 | 32UJK31034                              | M                             | M  | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| Recirc. Return Air Fire Damper - Div 1 A                 | 30SAB01AA007 | 32UJK31034                              | M                             | M  | SII                                   | NS-AQ                    | EMC                                | Y (5) Y (6)       |
| Recirc. Return Air Fire Damper - Div 1 B                 | 30SAB01AA008 | 32UJK31034                              | M                             | M  | SII                                   | NS-AQ                    | EMC                                | Y (5) Y (6)       |
| Recirc. Air Vol Control Damper - Div 1                   | 30SAB01AA012 | 32UJK31034                              | M                             | M  | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |
| Recirc. Supply Air Fire Damper - Div 1 A                 | 30SAB01AA014 | 32UJK31034                              | M                             | M  | SII                                   | NS-AQ                    | EMC                                | Y (5) Y (6)       |
| Recirc. Supply Air Fire Damper - Div 1 B                 | 30SAB01AA015 | 32UJK31034                              | M                             | M  | SII                                   | NS-AQ                    | EMC                                | Y (5) Y (6)       |
| Recirc. Vol. Cont. Posit. Indic. - Div1                  | 30SAB01CG012 | 32UJK31034                              | M                             | M  | SI                                    | S                        | 1E EMC                             | Y (5) Y (6)       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

(Sheet 94 of 102)

| Name Tag (Equipment Description)          | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|---|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|   |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |
| Recirc. Humidifier Outlet RH - Div 1 A    | 30SAB01CM001 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Humidifier Outlet RH - Div 1 B    | 30SAB01CM002 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR Air Cond. Rm (32UJK31 034) RH - A     | 30SAB01CM003 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR Air Cond. Rm (32UJK31 034) RH - B     | 30SAB01CM004 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. HEPA DP - Div 1                   | 30SAB01CP002 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Pre-Filter DP - Div 1          | 30SAB01CP501 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. HEPA DP (Local) - Div 1           | 30SAB01CP504 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Inlet Temp - Div 1             | 30SAB01CT001 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Heater Outlet Temp - Div 1 A   | 30SAB01CT002 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Heater Outlet Temp - Div 1 B   | 30SAB01CT003 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Heater Outlet Temp - Div 1 C   | 30SAB01CT004 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Humidifier Outlet Temp - Div 1    | 30SAB01CT005 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. CoolCoil Inlet Temp (Local)-Div1  | 30SAB01CT501 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. CoolCoil Exit Temp (Local)-Div1   | 30SAB01CT502 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Inlet Fire Damper - Div 2                 | 30SAB02AA001 | 32UJK31035                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Inlet Isolation Damper - Div 2            | 30SAB02AA002 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Isolation Damper - Div 2       | 30SAB02AA003 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Return Air Fire Damper - Div 2 A  | 30SAB02AA007 | 32UJK31035                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Recirc. Return Air Fire Damper - Div 2 B  | 30SAB02AA008 | 32UJK31035                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Recirc. Air Volume Control Damp - Div 2   | 30SAB02AA012 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Supply Air Fire Damper - Div 2 A  | 30SAB02AA014 | 32UJK31035                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Recirc. Supply Air Fire Damper - Div 2 B  | 30SAB02AA015 | 32UJK31035                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Recirc. Vol. Cont. Posit. Indic. - Div2   | 30SAB02CG012 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Humidifier Outlet RH - Div 2 A    | 30SAB02CM001 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Humidifier Outlet RH - Div 2 B    | 30SAB02CM002 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR Air Cond. Rm (32UJK31 035) RH - A     | 30SAB02CM003 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR Air Cond. Rm (32UJK31 035) RH - B     | 30SAB02CM004 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. HEPA DP - Div 2                   | 30SAB02CP002 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Pre-Filter DP - Div 2          | 30SAB02CP501 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. HEPA DP (Local) - Div 2           | 30SAB02CP504 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Inlet Temp - Div 2             | 30SAB02CT001 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Heater Outlet Temp - Div 2 A   | 30SAB02CT002 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Heater Outlet Temp - Div 2 B   | 30SAB02CT003 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Heater Outlet Temp - Div 2 C   | 30SAB02CT004 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Humidifier Outlet Temp - Div 2    | 30SAB02CT005 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. CoolCoil Inlet Temp (Local)-Div2  | 30SAB02CT501 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. CCoil Outlet Temp (Local) - Div2  | 30SAB02CT502 | 32UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Inlet Fire Damper - Div 3                 | 30SAB03AA001 | 33UJK31035                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Makeup Air Isolation Damper - Div 3       | 30SAB03AA003 | 33UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Return Air Fire Damper - Div 3 A  | 30SAB03AA007 | 33UJK31035                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Recirc. Return Air Fire Damper - Div 3 B  | 30SAB03AA008 | 33UJK31035                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Recirc. Air Volume Control Damper - Div 3 | 30SAB03AA012 | 33UJK31035                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Supply Air Fire Damper - Div 3 A  | 30SAB03AA014 | 33UJK31035                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Recirc. Supply Air Fire Damper - Div 3 B  | 30SAB03AA015 | 33UJK31035                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Recirc. Vol Cont Damp Posit Indic - Div3  | 30SAB03CG012 | 33UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Humidifier Outlet RH - Div 3 A    | 30SAB03CM001 | 33UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)         | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation   |                  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|--|--------------|---|-------------------------------|-------------|------------------|---------------------------------------|--------------------------|------------------------------------|
|  |              |   |                               | Environment | Zone<br>(Note 2) |                                       |                          |                                    |
| Recirc. Humidifier Outlet RH - Div 3 B   | 30SAB03CM002 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR Air Condition Rm RH - A              | 30SAB03CM003 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR AirCondition Rm RH - B               | 30SAB03CM004 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Toxic Gas Filters DP - Div 3  | 30SAB03CP001 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. HEPA DP - Div 3                  | 30SAB03CP002 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Pre-Filter DP - Div 3         | 30SAB03CP501 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Toxic Gas Filter DP - Div 3 A | 30SAB03CP502 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Toxic Gas Filter DP - Div 3 B | 30SAB03CP503 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. HEPA DP (Local) - Div 3          | 30SAB03CP504 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Inlet Temp - Div 3            | 30SAB03CT001 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Heater Outlet Temp - Div 3 A  | 30SAB03CT002 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Heater Outlet Temp - Div 3 B  | 30SAB03CT003 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Heater Outlet Temp - Div 3 C  | 30SAB03CT004 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Humidifier Outlet Temp - Div 3   | 30SAB03CT005 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc CoolCoil Inlet Temp (Local)-Div3  | 30SAB03CT501 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Cool Coil Exit Temp (Local)-Div3 | 30SAB03CT502 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Inlet Fire Damper - Div 4                | 30SAB04AA001 | 33UJK31034                              | M                             | M           |                  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Makeup Air Isolation Damper - Div 4      | 30SAB04AA003 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Return Air Fire Damper - Div 4 A | 30SAB04AA007 | 33UJK31034                              | M                             | M           |                  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Recirc. Return Air Fire Damper - Div 4 B | 30SAB04AA008 | 33UJK31034                              | M                             | M           |                  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Recirc. Air Volume Control Damper - Div  | 30SAB04AA012 | 33UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Supply Air Fire Damper - Div 4 A | 30SAB04AA014 | 33UJK31034                              | M                             | M           |                  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Recirc. Supply Air Fire Damper - Div 4 B | 30SAB04AA015 | 33UJK31034                              | M                             | M           |                  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Recirc Vol Cont Damp Position Indic-Div4 | 30SAB04CG012 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Humidifier Outlet RH - Div 4 A   | 30SAB04CM001 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Humidifier Outlet RH - Div 4 B   | 30SAB04CM002 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR AirCond Rm (33UJK31 034) RH - A      | 30SAB04CM003 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR AirCond Rm (33UJK31 034) RH - B      | 30SAB04CM004 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Toxic Gas Filters DP - Div 4  | 30SAB04CP001 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. HEPA DP - Div 4                  | 30SAB04CP002 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Pre-Filter DP - Div 4         | 30SAB04CP501 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Toxic Gas Filter DP - Div 4 A | 30SAB04CP502 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Toxic Gas Filter DP - Div 4 B | 30SAB04CP503 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. HEPA DP (Local) - Div 4          | 30SAB04CP504 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Inlet Temp - Div 4            | 30SAB04CT001 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Heater Outlet Temp - Div 4 A  | 30SAB04CT002 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Heater Outlet Temp - Div 4 B  | 30SAB04CT003 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Makeup Air Heater Outlet Temp - Div 4 C  | 30SAB04CT004 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. Humidifier Outlet Temp - Div 4   | 30SAB04CT005 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc CoolCoil Inlet Temp (Local)-Div 4 | 30SAB04CT501 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Recirc. CoolCoil Exit Temp (Local)-Div 4 | 30SAB04CT502 | 33UJK31035                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Iodine Filtr. Inlet Isol. Damper - Div 1 | 30SAB11AA001 | 32UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Iodine Filtr. Filter DP - Div 1          | 30SAB11CP001 | 32UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Iodine Filtration Pre-Filter DP - Div 1  | 30SAB11CP501 | 32UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Iodine Filtr. Inlet HEPA DP - Div1       | 30SAB11CP502 | 32UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Iodine Filtration Charcoal DP - Div 1    | 30SAB11CP503 | 32UJK31034                              | M                             | M           |                  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)         | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|--|--------------|---|-------------------------------|---------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|  |              |   |                               | Environment<br>Zone<br>(Note 2) |  |                                       |                          |                                    |
| Iodine Filtration Outlet HEPA DP - Div 1 | 30SAB11CP504 | 32UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Iodine Filtr. Inlet Iso. Damper - Div 4  | 30SAB14AA001 | 33UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Iodine Filtration Filter DP - Div 4      | 30SAB14CP001 | 33UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Iodine Filtration Pre-Filter DP - Div 4  | 30SAB14CP501 | 33UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Iodine Filtration Inlet HEPA DP - Div 4  | 30SAB14CP502 | 33UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Iodine Filtration Charcoal DP - Div 4    | 30SAB14CP503 | 33UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Iodine Filtration Outlet HEPA DP - Div 4 | 30SAB14CP504 | 33UJK31034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR AirCond. Rm Supply Fire Damp-Div 1   | 30SAB31AA030 | 32UJK31034                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| TechSupport Supply Fire Damper A         | 30SAB32AA004 | 33UJK26033                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| TechSupport Supply Fire Damper B         | 30SAB32AA005 | 33UJK26033                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| Interconnec Passage Supply Fire Damper   | 30SAB32AA010 | 32UJK26020                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| SICS1 / Computer Rm1 Supply Fire Damper  | 30SAB32AA011 | 32UJK26002                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| SICS2 / Computer Rm2 Supply Fire Damper  | 30SAB32AA012 | 33UJK26002                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| MCR, WC, & Kitchen Supply Fire Damp A    | 30SAB32AA020 | 32UJK31019                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| MCR, WC, & Kitchen Supply Fire Damp B    | 30SAB32AA021 | 32UJK31019                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| MCR, WC & Kitchen Supply Fire Damp C     | 30SAB32AA022 | 32UJK31019                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR AirCond. Rm Supply Fire Damp-Div 2   | 30SAB32AA030 | 32UJK31035                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| MCR Supply Duct Heater Outlet Air Flow   | 30SAB32CF001 | 32UJK26030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Tag/ShiftOff Supply Duct Heat Exit Flow  | 30SAB32CF002 | 33UJK26030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| WC & Kitchen Supply Duct Heat Exit Flow  | 30SAB32CF003 | 32UJK26015                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Kitchen Supply Duct Heater Exit Flow     | 30SAB32CF004 | 33UJK26044                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| I&CService Supply Duct Heat Exit Flow    | 30SAB32CF005 | 33UJK26034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Special Use Supply Duct Heater Exit Flow | 30SAB32CF006 | 33UJK26032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| TechSupport Supply Duct Heater Exit Flow | 30SAB32CF007 | 33UJK26030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR Relative Humidity A                  | 30SAB32CM001 | 32UJK26030                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| MCR Relative Humidity A                  | 30SAB32CM002 | 32UJK26030                              | M                             | M                               |  | SII NS-AQ                             | EMC                      | Y (5) Y (6)                        |
| DP between MCR and Anteroom A            | 30SAB32CP001 | 32UJK26030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| DP between MCR and Anteroom B            | 30SAB32CP002 | 32UJK26030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| DP between MCR and Anteroom C            | 30SAB32CP003 | 32UJK26030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| DP between MCR and Anteroom (Local)      | 30SAB32CP501 | 32UJK26030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR Supply Duct Heater Outlet Air Temp   | 30SAB32CT001 | 32UJK26030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR Temp A                               | 30SAB32CT002 | 32UJK26030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| MCR Temp B                               | 30SAB32CT003 | 32UJK26030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Tagging/ShiftOffice Heater Exit Temp     | 30SAB32CT004 | 33UJK26030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Tagging Rm Temp                          | 30SAB32CT005 | 33UJK26030                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| I&C Service Center Rm Temp A             | 30SAB32CT006 | 33UJK26034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| SICS1 / Computer Rm 1 Temp               | 30SAB32CT007 | 32UJK26002                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| SICS2 / Computer Rm 2 Temp               | 30SAB32CT008 | 33UJK26002                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| WC & Kitchen Supply Duct Heat Exit Temp  | 30SAB32CT009 | 32UJK26015                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Kitchen (MCR Staff) Temp                 | 30SAB32CT010 | 32UJK26031                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Kitchen Supply Duct Heater Outlet Temp   | 30SAB32CT011 | 33UJK26044                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Kitchen Temp                             | 30SAB32CT012 | 33UJK26044                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| I&CService Supply Duct Heater Exit Temp  | 30SAB32CT013 | 33UJK26034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| I&C Service Center Rm Temp B             | 30SAB32CT014 | 33UJK26034                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| SpecialUse Supply Duct Heat Exit Temp    | 30SAB32CT015 | 33UJK26032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |
| Special Use Temp                         | 30SAB32CT016 | 33UJK26032                              | M                             | M                               |  | SI S                                  | 1E EMC                   | Y (5) Y (6)                        |



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| Name Tag (Equipment Description)  | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|---|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|   |              |   |                               |  |                                       |                          |                                    |
| TechSupp Supply Duct Heat Exit Temp                                       | 30SAB32CT017 | 33UJK26030                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Tech Support Center Temp  | 30SAB32CT018 | 33UJK26006                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| MCRAirCond Rm Supply Fire Damper - Div 3                                  | 30SAB33AA030 | 33UJK31035                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| MCRAirCond Rm Supply Fire Damper- Div 4                                   | 30SAB34AA030 | 33UJK31034                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| Exhaust Air Recirc. Vol Contr Damper A                                    | 30SAB42AA001 | 32UJK26031                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Exhaust Air Recirc. Fire Damper   | 30SAB42AA003 | 32UJK26031                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| Interconnect Passage Exhaust Fire Damp-A                                  | 30SAB42AA004 | 33UJK26020                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| SICS2/Computer Rm2 Exhaust Fire Damp                                      | 30SAB42AA005 | 33UJK26002                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| Interconnect Passage Exhaust Fire Damp-B                                  | 30SAB42AA007 | 32UJK26020                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| SICS1/Computer Rm1 Exhaust Air Fire Damp                                  | 30SAB42AA008 | 32UJK26002                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| MCR Exhaust Fire Damper   | 30SAB42AA010 | 32UJK26031                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| TechSupport Exhaust Fire Damper   | 30SAB42AA013 | 33UJK26006                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| I&CServ/SpecialUse Exhaust Fire Damp                                      | 30SAB42AA015 | 33UJK26044                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| Tag/ShiftOffice Exhaust Fire Damper                                       | 30SAB42AA017 | 32UJK26029                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| Exhaust Air Fire Damper   | 30SAB45AA001 | 32UJK31020                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| Exhaust Air Isolation Damper - A  | 30SAB45AA003 | 32UJK31020                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Exhaust Air Isolation Damper - B  | 30SAB45AA004 | 32UJK31020                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Bathrooms Exhaust Air Fire Damper   | 30SAB45AA008 | 32UJK26020                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| Kitchen Exhaust Fire Damper   | 30SAB45AA009 | 33UJK26033                              | M                             | M  | SII                                   | NS-AQ EMC                | Y (5) Y (6)                        |
| SAB11 Filtr Train Iso Dmpr Dwnstrm  | 30SAB11AA003 | 32UJK31034                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| SAB11 Filtr Train recirc iso dmpr   | 30SAB11AA004 | 32UJK31034                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| SAB11 Filtr Train Temp Sens 1   | 30SAB11CT001 | 32UJK31034                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| SAB11 Filtr Train Temp Sens 2   | 30SAB11CT002 | 32UJK31034                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| SAB14 Filtr Train Iso Dmpr Dwnstrm  | 30SAB14AA003 | 33UJK31034                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| SAB14 Filtr Train recirc iso dmpr   | 30SAB14AA004 | 33UJK31034                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| SAB14 Filtr Train Temp Sens 1   | 30SAB14CT001 | 33UJK31034                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| SAB14 Filtr Train Temp Sens 2   | 30SAB14CT002 | 33UJK31034                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| <b>Essential Service Water Pump Building Ventilation System (ESWPBVS)</b> |              |   |                               |  |                                       |                          |                                    |
| Elec Heater Bldg 1  | 30SAQ01AH001 | 31UQB02001                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Recirc Fan Bldg 1   | 30SAQ01AN001 | 31UQB02001                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Room Temp Sensor Bldg 1   | 30SAQ01CT001 | 31UQB02001                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Elec Heater Bldg 2  | 30SAQ02AH001 | 32UQB02001                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Recirc Fan Bldg 2   | 30SAQ02AN001 | 32UQB02001                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Room Temp Sensor Bldg 2   | 30SAQ02CT001 | 32UQB02001                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Elec Heater Bldg 3  | 30SAQ03AH001 | 33UQB02001                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Recirc Fan Bldg 3   | 30SAQ03AN001 | 33UQB02001                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Room Temp Sensor Bldg 3   | 30SAQ03CT001 | 33UQB02001                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Elec Heater Bldg 4  | 30SAQ04AH001 | 34UQB02001                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Recirc Fan Bldg 4   | 30SAQ04AN001 | 34UQB02001                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |
| Room Temp Sensor Bldg 4   | 30SAQ04CT001 | 34UQB02001                              | M                             | M  | SI                                    | S 1E EMC                 | Y (5) Y (6)                        |

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| Name Tag (Equipment Description)                                       | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|--|--------------|---|-------------------------------|--|---------------------------------------|--------------------------|------------------------------------|
| <b>Emergency Power Generating Building Ventilation System (EPGBVS)</b> |              |   |                               |  |                                       |                          |                                    |
| Recirc. Control Damper - Div 1   | 30SAD13AA001 | 31UBP01001                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y(6)                         |
| Main Tank Rm Supply Fire Damper - Div 1                                | 30SAD16AA002 | 31UBP01003                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y(6)                         |
| Main Tank Rm Exhaust Fire Damper - Div 1                               | 30SAD16AA006 | 31UBP01003                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y(6)                         |
| Recirc. Control Damper - Div 2   | 30SAD23AA001 | 32UBP01001                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y(6)                         |
| Main Tank Rm Supply Fire Damper - Div 2                                | 30SAD26AA002 | 32UBP01003                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y(6)                         |
| Main Tank Rm Exhaust Fire Damper - Div 2                               | 30SAD26AA006 | 32UBP01003                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y(6)                         |
| Recirc. Control Damper - Div 3   | 30SAD33AA001 | 33UBP01001                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y(6)                         |
| Main Tank Rm Supply Fire Damper - Div 3                                | 30SAD36AA002 | 33UBP01003                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y(6)                         |
| Main Tank Rm Exhaust Fire Damper - Div 3                               | 30SAD36AA006 | 33UBP01003                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y(6)                         |
| Recirc. Control Damper - Div 4   | 30SAD43AA001 | 34UBP01001                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y(6)                         |
| Main Tank Rm Supply Fire Damper - Div 4                                | 30SAD46AA002 | 34UBP01003                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y(6)                         |
| Main Tank Rm Exhaust Fire Damper - Div 4                               | 30SAD46AA006 | 34UBP01003                              | M                             | M  | SI S                                  | 1E EMC                   | Y (5) Y(6)                         |
| <b>Containment Isolation Systems</b>                                   |              |   |                               |  |                                       |                          |                                    |
| <b>Fuel Pool Cooling and Purification System (FPCPS)</b>               |              |   |                               |  |                                       |                          |                                    |
| ILCO ISOLATION VALVE   | 30FAL10AA003 | 30UJA11021                              | H                             | H  | SI                                    | NSAQ                     | Y (5)                              |
| FPP TO RB POOL INSIDE CI VALVE ACTUATOR                                | 30FAL12AA001 | 30UJA07016                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| FPP TO RB POOL OUTSIDE CI VALVE ACTUATOR                               | 30FAL12AA002 | 30UFA06045                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2) Y (5) Y (6)                  |
| FPP TO RB POOL OUTSIDE CI VALVE ACTUATOR                               | 30FAL15AA002 | 30UFA10045                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2) Y (5) Y (6)                  |
| <b>Demineralized Water Distribution System (DWDS)</b>                  |              |   |                               |  |                                       |                          |                                    |
| DEMIENALIZED WATER OUTER COTAINMENT ISOL                               | 30GHC74AA001 | 30UFA21045                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2) Y (5) Y (6)                  |
| DEMIENALIZED WATER INNER COTAINMENT ISOL                               | 30GHC74AA002 | 30UJA18013                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| <b>Leak-Off System (LOS)</b>   |              |   |                               |  |                                       |                          |                                    |
| CIDS INSIDE CI VALVE ACTUATOR  | 30JMM10AA006 | 30UJA23013                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CIDS OUTSIDE CI VALVE ACTUATOR   | 30JMM10AA007 | 30UFA24095                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2) Y (5) Y (6)                  |
| CLES CI VALVE ACTUATOR: LOCATED INSIDE R                               | 30JMM23AA001 | 30UJA11016                              | H                             | H  | ES SI                                 | S 1E EMC                 | Y (1) Y (5)                        |
| CLES CI VALVE ACTUATOR: LOCATED INSIDE A                               | 30JMM23AA002 | 30UJB05002                              | M                             | M  | ES SI                                 | S 1E EMC                 | Y (5) Y (6)                        |
| <b>Severe Accident Heat Removal System (SAHRS)</b>                     |              |   |                               |  |                                       |                          |                                    |
| SUCTION LINE FROM IRWST OUTER CI VALVE A                               | 30JMQ40AA001 | 34UJH01010                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2) Y (5) Y (6)                  |
| SPRAYING LINE OUTER CI VALVE ACTUATOR                                  | 30JMQ41AA001 | 34UJH05007                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2) Y (5) Y (6)                  |
| ACTIVE RECIRCULATION LINE OUTER CI VALVE                               | 30JMQ42AA001 | 34UJH05007                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2) Y (5) Y (6)                  |
| BACKFLUSHING LINE OUTER CI VALVE ACTUATO                               | 30JMQ43AA001 | 34UJH05007                              | M                             | H  | ES SI                                 | S 1E EMC                 | Y (2) Y (5) Y (6)                  |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)                                | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated        |     | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |       |             |
|---|--------------|---|-------------------------------|--|----------------------|-----|--------------------------|------------------------------------|-------|-------------|
|   |              |   |                               |  | Function<br>(Note 3) |     |                          |                                    |       |             |
| <b>Gaseous Waste Processing System (GWPS)</b>                   |              |   |                               |  |                      |     |                          |                                    |       |             |
| Actuator - Containment Isolation Valve                          | 30KPL84AA002 | 30UFA06095                              | M                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| Actuator - Containment Isolation Valve                          | 30KPL84AA003 | 30UJA07016                              | H                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5)       |
| Actuator - Containment Isolation Valve                          | 30KPL85AA003 | 30UJA07016                              | H                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5)       |
| Actuator - Containment Isolation Valve                          | 30KPL85AA004 | 30UFA06095                              | M                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| <b>Condensate (Inside Containment) System (CS)</b>              |              |   |                               |  |                      |     |                          |                                    |       |             |
| Motor for C I-V   | 30LCA90AA003 | 32UJE34003                              | M                             | M  | ES                   | SI  | S                        | 1E EMC                             |       | Y (5) Y (6) |
| Condensate C I-V motor  | 30LCA90AA005 | 30UJA34014                              | H                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5)       |
| Motor for condensate C I-V                                      | 30LCA90AA006 | 32UJE34003                              | M                             | M  | ES                   | SI  | S                        | 1E EMC                             |       | Y (5) Y (6) |
| condensate C I-V position sensor                                | 30LCA90CG004 | 30UJA34014                              | H                             | H  | ES                   | SI  | S                        | 1E                                 | Y (1) | Y (5)       |
| condensate pressure instr.                                      | 30LCA90CP002 | 30UJA07018                              | H                             | H  |                      | SII | NS-AQ                    |                                    | Y (1) | Y (5)       |
| condensate pressure tap   | 30LCA90CP402 | 30UJA07018                              | H                             | H  |                      | SII | NS-AQ                    |                                    | Y (1) | Y (5)       |
| condensate pressure tap   | 30LCA90CP501 | 30UJA07018                              | H                             | H  |                      | SII | NS-AQ                    |                                    | Y (1) | Y (5)       |
| condensate temperature transmitter                              | 30LCA90CT001 | 30UJA07018                              | H                             | H  |                      | SII | NS-AQ                    |                                    | Y (1) | Y (5)       |
| condensate temperature transmitter                              | 30LCA90CT002 | 30UJA07018                              | H                             | H  |                      | SII | NS-AQ                    |                                    | Y (1) | Y (5)       |
| condensate thermo couple  | 30LCA90CT401 | 30UJA07018                              | H                             | H  |                      | SII | NS-AQ                    |                                    | Y (1) | Y (5)       |
| condensate thermo couple  | 30LCA90CT402 | 30UJA07018                              | H                             | H  |                      | SII | NS-AQ                    |                                    | Y (1) | Y (5)       |
| condensate thermo couple  | 30LCA90CT403 | 30UJA07018                              | H                             | H  |                      | SII | NS-AQ                    |                                    | Y (1) | Y (5)       |
| <b>Central Gas Distribution (Nitrogen) System (CGDS)</b>        |              |   |                               |  |                      |     |                          |                                    |       |             |
| QJB OUTSIDE CONTAINMENT ISOLATION VALVE                         | 30QJB40AA001 | 30UFA24045                              | M                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| QJB INSIDE CONTAINMENT ISOLATION VALVE A                        | 30QJB40AA002 | 30UJA23013                              | H                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5)       |
| QJB OUTSIDE CONTAINMENT ISOLATION VALVE                         | 30QJB40AA003 | 30UFA10095                              | M                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| QJB INSIDE CONTAINMENT ISOLATION VALVE A                        | 30QJB40AA004 | 30UJA11016                              | H                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5)       |
| <b>Operational Chilled Water System - Nuclear Island (OCWS)</b> |              |   |                               |  |                      |     |                          |                                    |       |             |
| Motor for Valve 30QNJ41AA002                                    | 30QNJ41AA002 | 30UFA17095                              | M                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| Motor for Valve 30QNJ41AA027                                    | 30QNJ41AA027 | 30UJA18016                              | H                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5)       |
| Motor for Valve 30QNJ41AA028                                    | 30QNJ41AA028 | 30UFA17095                              | M                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| <b>Secondary Sampling (SG Blowdown) System (SECSS)</b>          |              |   |                               |  |                      |     |                          |                                    |       |             |
| SG1 2ndary sampling outer C I-V motor                           | 30QUC11AA001 | 30UFA10045                              | M                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| SG1 2ndary sampling inner C I-V motor                           | 30QUC11AA011 | 30UJA11013                              | H                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5)       |
| SG2 2ndary sampling outer C I-V motor                           | 30QUC12AA001 | 30UFA10045                              | M                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| SG2 2ndary sampling inner C I-V motor                           | 30QUC12AA011 | 30UJA11013                              | H                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5)       |
| SG3 2ndary sampling outer C I-V motor                           | 30QUC13AA001 | 30UFA06083                              | M                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| SG3 2ndary sampling inner C I-V motor                           | 30QUC13AA011 | 30UJA11016                              | H                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5)       |
| SG4 2ndary sampling outer C I-V motor                           | 30QUC14AA001 | 30UFA10095                              | M                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (2) | Y (5) Y (6) |
| SG4 2ndary sampling inner C I-V motor                           | 30QUC14AA011 | 30UJA11016                              | H                             | H  | ES                   | SI  | S                        | 1E EMC                             | Y (1) | Y (5)       |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)                       | Tag Number   | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment<br>Zone<br>(Note 2) | EQ Designated<br>Function<br>(Note 3) |    |   | Safety Class<br>(Note 4) |     | EQ Program Designation<br>(Note 5) |       |       |
|--|--------------|---|-------------------------------|--|---------------------------------------|----|---|--------------------------|-----|------------------------------------|-------|-------|
|  |              |   |                               |  | ES                                    | SI | S | 1E                       | EMC | Y (2)                              | Y (5) | Y (6) |
| <b>Compressed Air System (CAS)</b>                     |              |   |                               |  |                                       |    |   |                          |     |                                    |       |       |
| COMPRESSED AIR OUTER CONTAINMENT ISOLATION             | 30SCB01AA001 | 30UFA13054                              | M                             | H  | ES                                    | SI | S | 1E                       | EMC | Y (2)                              | Y (5) | Y (6) |
| COMPRESSED AIR INNER CONTAINMENT ISOLATION             | 30SCB01AA002 | 30UJA15016                              | H                             | H  | ES                                    | SI | S | 1E                       | EMC | Y (1)                              | Y (5) |       |
| <b>Fire Water Distribution System (FWDS)</b>           |              |   |                               |  |                                       |    |   |                          |     |                                    |       |       |
| FIRE WATER DISTRIBUTION SYSTEM CI VALVE                | 30SGB30AA031 | 30UFA13054                              | M                             | H  | ES                                    | SI | S | 1E                       | EMC | Y (2)                              | Y (5) | Y (6) |
| FIRE WATER DISTRIBUTION SYSTEM CI VALVE                | 30SGB30AA032 | 30UJA15016                              | H                             | H  | ES                                    | SI | S | 1E                       | EMC | Y (1)                              | Y (5) |       |
| <b>Nuclear Island Drain &amp; Vent System (NI DVS)</b> |              |   |                               |  |                                       |    |   |                          |     |                                    |       |       |
| INNER CONT ISO VLV ACTUATOR                            | 30KTA10AA017 | 30UJA07016                              | H                             | H  | ES                                    | SI | S | 1E                       | EMC | Y (1)                              | Y (5) |       |
| OUTER CONT ISO VALVE ACTUATOR                          | 30KTA10AA018 | 30UFA06045                              | M                             | H  | ES                                    | SI | S | 1E                       | EMC | Y (2)                              | Y (5) | Y (6) |
| INNER CONT ISO VLV FLOOR DRN 1 ACTUATOR                | 30KTC10AA005 | 30UJA07016                              | H                             | H  | ES                                    | SI | S | 1E                       | EMC | Y (1)                              | Y (5) |       |
| OUTER CONT ISO VLV FLOOR DRN 1 ACTUATOR                | 30KTC10AA006 | 30UFA06095                              | M                             | H  | ES                                    | SI | S | 1E                       | EMC | Y (2)                              | Y (5) | Y (6) |
| OUTER CONT ISO VLV CHEM REINJ ACTUATOR                 | 30KTC10AA010 | 30UFA06095                              | M                             | H  | ES                                    | SI | S | 1E                       | EMC | Y (2)                              | Y (5) | Y (6) |
| OUTER CONT ISO VLV FLOOR DRN 2 ACTUATOR                | 30KTD10AA015 | 30UFA06095                              | M                             | H  | ES                                    | SI | S | 1E                       | EMC | Y (2)                              | Y (5) | Y (6) |
| INNER CONT ISO VLV FLOOR DRN 2 ACTUATOR                | 30KTD10AA024 | 30UJA07016                              | H                             | H  | ES                                    | SI | S | 1E                       | EMC | Y (1)                              | Y (5) |       |
| OUTER CONT ISO VLV ANNULUS ACTUATOR                    | 30KTD10AA025 | 30UFA10095                              | M                             | H  | ES                                    | SI | S | 1E                       | EMC | Y (2)                              | Y (5) | Y (6) |

**Containment Penetrations - Electrical**

|                                    |            |               |   |   |    |    |     |    |   |    |      |      |
|------------------------------------|------------|---------------|---|---|----|----|-----|----|---|----|------|------|
| Electrical Containment Penetration | JML10GD130 | 30UJB18F0130B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD131 | 30UJB18F0131B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GF132 | 30UJB18F0132B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD133 | 30UJB18F0133B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GF134 | 30UJB18F0134B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD135 | 30UJB18F0135B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD136 | 30UJB18F0136B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD137 | 30UJB18F0137B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD138 | 30UJB18F0138B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD139 | 30UJB18F0139B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GE140 | 30UJB18F0140B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD141 | 30UJB18F0141B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD142 | 30UJB15F0142B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD143 | 30UJB15F0143B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD144 | 30UJB15F0144B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD145 | 30UJB15F0145B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD146 | 30UJB15F0146B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD147 | 30UJB15F0147B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD148 | 30UJB18F0148B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML10GD149 | 30UJB18F0149B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML20GD230 | 30UJB18F0230B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |
| Electrical Containment Penetration | JML20GD231 | 30UJB18F0231B | H | H | RT | ES | PAM | SI | S | 1E | Y(1) | Y(5) |

Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment

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| Name Tag (Equipment Description)   | Tag Number | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation                       |    | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |           |
|------------------------------------|------------|---|-------------------------------|---------------------------------|----|---------------------------------------|--------------------------|------------------------------------|-----------|
|                                    |            |   |                               | Environment<br>Zone<br>(Note 2) |    |                                       |                          |                                    |           |
| Electrical Containment Penetration | JML20GD232 | 30UJB18F0232B                           | H                             | H                               | RT | ES PAM SI S                           | 1E                       | Y(1) Y(5)                          |           |
| Electrical Containment Penetration | JML20GP233 | 30UJB18F0233B                           | H                             | H                               | RT | ES PAM SI S                           | 1E                       | Y(1) Y(5)                          |           |
| Electrical Containment Penetration | JML20GD234 | JML20GE234                              | 30UJB18F0234B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD235 | JML20GE235                              | 30UJB18F0235B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD236 | JML20GE236                              | 30UJB18F0236B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GF237 | JML20GF237                              | 30UJB18F0237B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD238 | JML20GE238                              | 30UJB18F0238B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD239 | JML20GE239                              | 30UJB18F0239B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD240 | JML20GF240                              | 30UJB18F0240B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD241 | JML20GF241                              | 30UJB18F0241B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD242 | JML20GE242                              | 30UJB23F0242B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD243 | JML20GE243                              | 30UJB23F0243B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD244 | JML20GE244                              | 30UJB23F0244B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD245 | JML20GE245                              | 30UJB23F0245B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD246 | JML20GF246                              | 30UJB23F0246B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD247 | JML20GF247                              | 30UJB23F0247B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD248 | JML20GF248                              | 30UJB23F0248B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML20GD249 | JML20GF249                              | 30UJB23F0249B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD330 | JML30GD330                              | 30UJB18F0330B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD331 | JML30GD331                              | 30UJB18F0331B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD332 | JML30GP332                              | 30UJB18F0332B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD333 | JML30GE333                              | 30UJB18F0333B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD334 | JML30GE334                              | 30UJB18F0334B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD335 | JML30GE335                              | 30UJB18F0335B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD336 | JML30GE336                              | 30UJB18F0336B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD337 | JML30GF337                              | 30UJB18F0337B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD338 | JML30GE338                              | 30UJB18F0338B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD339 | JML30GE339                              | 30UJB18F0339B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD340 | JML30GF340                              | 30UJB18F0340B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD341 | JML30GF341                              | 30UJB18F0341B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD342 | JML30GE342                              | 30UJB23F0342B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD343 | JML30GE343                              | 30UJB23F0343B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD344 | JML30GE344                              | 30UJB23F0344B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD345 | JML30GE345                              | 30UJB23F0345B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD346 | JML30GF346                              | 30UJB23F0346B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD347 | JML30GF347                              | 30UJB23F0347B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD348 | JML30GF348                              | 30UJB23F0348B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML30GD349 | JML30GF349                              | 30UJB23F0349B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML40GD430 | JML40GD430                              | 30UJB18F0430B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML40GD431 | JML40GD431                              | 30UJB18F0431B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML40GD432 | JML40GF432                              | 30UJB18F0432B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML40GD433 | JML40GF433                              | 30UJB18F0433B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML40GD434 | JML40GF434                              | 30UJB18F0434B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML40GD435 | JML40GF435                              | 30UJB18F0435B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML40GD436 | JML40GF436                              | 30UJB18F0436B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |
| Electrical Containment Penetration | JML40GD437 | JML40GE437                              | 30UJB18F0437B                 | H                               | H  | RT                                    | ES PAM SI S              | 1E                                 | Y(1) Y(5) |

**Table 3.11-1—List of Environmentally Qualified Electrical/I&C Equipment**

(Sheet 102 of 102)

| Name Tag (Equipment Description)              | Tag Number | Local Area<br>KKS ID (Room<br>Location) | EQ<br>Environment<br>(Note 1) | Radiation<br>Environment |  | EQ Designated<br>Function<br>(Note 3) | Safety Class<br>(Note 4) | EQ Program Designation<br>(Note 5) |
|---|------------|---|-------------------------------|--------------------------|--|---------------------------------------|--------------------------|------------------------------------|
|   |            |   |                               | Zone<br>(Note 2)         |  |                                       |                          |                                    |
| Electrical Containment Penetration JML40GD438 | JML40GF438 | 30UJB18F0438B                           | H                             | H                        |  | RT ES PAM SI S                        | 1E                       | Y(1) Y(5)                          |
| Electrical Containment Penetration JML40GD439 | JML40GF439 | 30UJB18F0439B                           | H                             | H                        |  | RT ES PAM SI S                        | 1E                       | Y(1) Y(5)                          |
| Electrical Containment Penetration JML40GD440 | JML40GF440 | 30UJB18F0440B                           | H                             | H                        |  | RT ES PAM SI S                        | 1E                       | Y(1) Y(5)                          |
| Electrical Containment Penetration JML40GD441 | JML40GE441 | 30UJB18F0441B                           | H                             | H                        |  | RT ES PAM SI S                        | 1E                       | Y(1) Y(5)                          |
| Electrical Containment Penetration JML40GD442 | JML40GE442 | 30UJB15F0442B                           | H                             | H                        |  | RT ES PAM SI S                        | 1E                       | Y(1) Y(5)                          |
| Electrical Containment Penetration JML40GD443 | JML40GE443 | 30UJB15F0443B                           | H                             | H                        |  | RT ES PAM SI S                        | 1E                       | Y(1) Y(5)                          |
| Electrical Containment Penetration JML40GD444 | JML40GE444 | 30UJB15F0444B                           | H                             | H                        |  | RT ES PAM SI S                        | 1E                       | Y(1) Y(5)                          |
| Electrical Containment Penetration JML40GD445 | JML40GE445 | 30UJB15F0445B                           | H                             | H                        |  | RT ES PAM SI S                        | 1E                       | Y(1) Y(5)                          |
| Electrical Containment Penetration JML40GD446 | JML40GE446 | 30UJB15F0446B                           | H                             | H                        |  | RT ES PAM SI S                        | 1E                       | Y(1) Y(5)                          |
| Electrical Containment Penetration JML40GD447 | JML40GE447 | 30UJB18F0447B                           | H                             | H                        |  | RT ES PAM SI S                        | 1E                       | Y(1) Y(5)                          |
| Electrical Containment Penetration JML40GD448 | JML40GP448 | 30UJB18F0448B                           | H                             | H                        |  | RT ES PAM SI S                        | 1E                       | Y(1) Y(5)                          |

For a List of Components Requiring Seismic Qualification see Table 3.10-1

## NOTES

- EQ Environment: M (Mild), H (Harsh)
- Radiation Environment Zone: M (Mild), H (Harsh)
- EQ Designated Function: RT (Reactor Trip), ES (Engineered Safeguards), PAM (Post Accident Monitoring), SI (Seismic I), SII (Seismic II)
- Safety Class: S (Safety Related), NS-AQ (Supplemental Grade Non-Safety), 1E (Class 1E), EMC (Electromagnetic Compatibility), C/NM (Consumables/Non Metallics)
- EQ Program Designation: Yes (1) = Full EQ Electrical, Yes (2) = EQ Radiation Harsh-Electrical, Yes (3) = EQ Radiation Harsh-Consumables, Yes (4) = EQ for Consumables, Yes (5) = EQ Seismic, Yes (6) = EQ EMC.