

WATTS BAR MECHANICAL EQUIPMENT QUALIFICATION
EQUIPMENT LIST
FOR NSSS

Prepared By: Thomas R. Witmer Date 6/20/84

Reviewed By: JW Hodges Date 6/20/84

Revision 1

8407160131 840709
PDR ADOCK 05000390
A PDR

WATTS BAR NUCLEAR PLANT - HSSS EQUIPMENT LIST

| REQ ID NO | TVA COMPONENT ID NUMBER | EQUIPMENT NAME | CONTRACT NUMBER | MANUFACTURER | MANUFACTURER DRAWING NUMBER | MODEL NUMBER | LOCATION | CONTAINMENT LOCATION | EQS 0060- 508- | TVA DRAWING 47E235- | NOTE |
|-----------------|-------------------------------|-------------------|--------------------|--------------|--------------------------------|-----------------|---------------|-------------------------|----------------------|---------------------------|------|
| 1000 | 2-FCV-61-96A | DIAPHRAGM VALVE | 71C62-54114-1 | ITT GRINNELL | SD-C-103055 | | | | | | |
| 1001 | 2-FCV-61-110A | DIAPHRAGM VALVE | 71C62-54114-1 | ITT GRINNELL | SD-C-103055 | 2DA62RZ | A12/W/757/A16 | OUTSIDE | 007 | 78 | C |
| 1002 | 1-FCV-61-97B | DIAPHRAGM VALVE | 71C62-54114-1 | ITT GRINNELL | SD-C-103055 | 2DA62RZ | A12/W/757/A16 | OUTSIDE | 007 | 78 | C |
| 1003 | 2-FCV-61-97B | DIAPHRAGM VALVE | 71C62-54114-1 | ITT GRINNELL | SD-C-103055 | 2DA62RZ | R-Z/303/756 | INSIDE | 007 | 43 | C |
| 1004 | 1-FCV-61-122B | DIAPHRAGM VALVE | 71C62-54114-1 | ITT GRINNELL | SD-C-103055 | 2DA62RZ | R-Z/303/756 | INSIDE | 007 | 43 | C |
| 1005 | 2-FCV-61-122B | DIAPHRAGM VALVE | 71C62-54114-1 | ITT GRINNELL | SD-C-103055 | 2DA62RZ | R-Z/303/756 | INSIDE | 007 | 43 | C |
| 1006 | 1-FCV-61-192B | DIAPHRAGM VALVE | 71C62-54114-1 | ITT GRINNELL | SD-C-103055 | 2DA62RZ | R-Z/303/756 | INSIDE | 007 | 43 | C |
| 1007 | 2-FCV-61-192B | DIAPHRAGM VALVE | 71C62-54114-1 | ITT GRINNELL | SD-C-103784 | 2DA62RZ | R-Z/303/756 | INSIDE | 007 | 43 | C |
| 1008 | 1-FCV-61-194B | DIAPHRAGM VALVE | 71C62-54114-1 | ITT GRINNELL | SD-C-103784 | 4DA62RZ | R-Z/294/756 | INSIDE | 007 | 43 | C |
| 1009 | 2-FCV-61-194B | DIAPHRAGM VALVE | 71C62-54114-1 | ITT GRINNELL | SD-C-103784 | 4DA62RZ | R-Z/284/756 | INSIDE | 007 | 43 | C |
| 1010 | 1-FCV-62-61B | GATE VALVE | 71C62-54114-1 | ITT GRINNELL | SD-C-103784 | 4DA62RZ | R-Z/299/756 | INSIDE | 007 | 43 | C |
| 1011 | 2-FCV-62-61B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | SD-C-103784 | 4DA62RZ | R-Z/299/756 | INSIDE | 007 | 43 | C |
| 1012 | 1-FCV-62-69A | GLOBE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E002 | 4GN72FBH | R-Z/282/716 | INSIDE | 001 | 42 | A |
| 1013 | 2-FCV-62-69A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0228 | 4GN72FBH | R-Z/282/716 | INSIDE | 001 | 42 | A |
| 1014 | 1-FCV-62-70A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0228 | 3IA88RG | R-Z/132/716 | INSIDE | 006 | 42 | C |
| 1015 | 2-FCV-62-70A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0228 | 3IA88RG | R-Z/132/716 | INSIDE | 006 | 42 | C |
| 1016 | 1-FCV-62-72A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0228 | 3IA88RG | R-Z/130/716 | INSIDE | 006 | 42 | C |
| 1017 | 2-FCV-62-72A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0238 | 3IA88RG | R-Z/130/716 | INSIDE | 006 | 42 | C |
| 1018 | 1-FCV-62-73A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0238 | 2IA78RG | R-Z/47/703 | INSIDE | 006 | 42 | C |
| 1019 | 2-FCV-62-73A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0238 | 2IA78RG | R-Z/47/703 | INSIDE | 006 | 42 | C |
| 1020 | 1-FCV-62-74A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0238 | 2IA78RG | R-Z/48/703 | INSIDE | 006 | 42 | C |
| 1021 | 2-FCV-62-74A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0238 | 2IA78RG | R-Z/48/703 | INSIDE | 006 | 42 | C |
| 1021A | 1-FCV-62-76A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0238 | 2IA78RG | R-Z/49/703 | INSIDE | 006 | 42 | C |
| 1021B | 2-FCV-62-76A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0238 | 2IA78RG | R-Z/49/703 | INSIDE | 006 | 42 | C |
| 1022 | 1-FCV-62-84A | GLOBE VALVE | 71C62-54114-1 | FISHER | 53A7672 | 2IA88RG | R-Z/48/703 | INSIDE | 006 | 42 | C |
| 1023 | 2-FCV-62-84A | GLOBE VALVE | 71C62-54114-1 | FISHER | 53A7672 | 2IA88RG | R-Z/48/703 | INSIDE | 006 | 42 | C |
| 1024 | 1-CKV-62A-543S | CHECK VALVE | 71C62-54114-1 | FISHER | 54A0235 | 2IA88RG | R-Z/48/703 | INSIDE | 006 | 42 | C |
| 1025 | 2-CKV-62A-543S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 54A0235 | 2IA88RE | R-Z/131/716 | INSIDE | 006 | 42 | C |
| 1026 | 1-CKV-62A-638S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D182 | 2IA88RE | R-Z/131/716 | INSIDE | 006 | 42 | C |
| 1027 | 2-CKV-62A-638S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D182 | 3C78 | 4/716 | INSIDE | 012 | 42 | A |
| 1028 | 1-CKV-62A-640S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D183 | 3C78 | 4/716 | INSIDE | 012 | 42 | A |
| 1029 | 2-CKV-62A-640S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D183 | 3C88 | 1/702 | INSIDE | 012 | 42 | A |
| 1030 | 1-CKV-62A-659S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D183 | 3C88 | 1/702 | INSIDE | 012 | 42 | A |
| 1031 | 2-CKV-62A-659S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D183 | 3C88 | 4/702 | INSIDE | 012 | 42 | A |
| 1032 | 1-CKV-62A-660S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D183 | 3C88 | 1/702 | INSIDE | 012 | 42 | A |
| 1033 | 2-CKV-62A-660S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D183 | 3C88 | 1/702 | INSIDE | 012 | 42 | A |
| 1034 | 1-FCV-62-63A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D183 | 3C88 | 4/702 | INSIDE | 012 | 42 | A |
| 1035 | 2-FCV-62-63A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D183 | 3C88 | 4/702 | INSIDE | 012 | 42 | A |
| 1036 | 1-FCV-62-77B | GLOBE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E001 | 3C88 | 4/702 | INSIDE | 012 | 42 | A |
| 1037 | 2-FCV-62-77B | GLOBE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E001 | 4GN72FB | A5/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1038 | 1-FCV-62-90A | GATE VALVE | 71C62-54114-1 | FISHER | 54A0243 | 4GN72FB | A12/W/713/A29 | OUTSIDE | 001 | 61 | A |
| 1039 | 2-FCV-62-90A | GATE VALVE | 71C62-54114-1 | FISHER | 54A0243 | 2IA76RE | A4/W/713/A28 | OUTSIDE | 006 | 61 | B |
| 1040 | 1-FCV-62-91B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E009 | 2IA76RE | A12/W/713/A29 | OUTSIDE | 006 | 61 | B |
| 1041 | 2-FCV-62-91B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E009 | 3GN78FN | A4/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1042 | 1-FCV-62-98A | GLOBE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E009 | 3GN78FN | A11/W/713/A29 | OUTSIDE | 001 | 61 | A |
| 1043 | 2-FCV-62-98A | GLOBE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E009 | 3GN78FN | A4/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1044 | 1-FCV-62-99B | GLOBE VALVE | 71C62-54114-1 | VELAN | E73-032-R & E73-033 | 3GN78FN | A11/W/713/A29 | OUTSIDE | 001 | 61 | A |
| 1044 | 1-FCV-62-99B | GLOBE VALVE | 71C62-54114-1 | VELAN | E73-032-R & E73-033 | 2TH78FN | A5/U/713/A28 | OUTSIDE | 003 | 61 | A |
| 1045 | 2-FCV-62-99B | GLOBE VALVE | 71C62-54114-1 | VELAN | E73-032-R & E73-033 | 2TH78FN | A11/U/713/A29 | OUTSIDE | 003 | 61 | A |
| 1045 | 2-FCV-62-99B | GLOBE VALVE | 71C62-54114-1 | VELAN | E73-032-R & E73-033 | 2TH78FN | A5/U/713/A28 | OUTSIDE | 003 | 61 | A |
| 1045 | 2-FCV-62-99B | GLOBE VALVE | 71C62-54114-1 | VELAN | E73-032-R & E73-033 | 2TH78FN | A11/U/713/A29 | OUTSIDE | 003 | 61 | A |

WATTS BAR NUCLEAR PLANT - NSSS EQUIPMENT LIST

| REQ ID NO. | TVA COMPONENT ID NUMBER | EQUIPMENT NAME | CONTRACT NUMBER | MANUFACTURER | MANUFACTURER DRAWING NUMBER | MODEL NUMBER | LOCATION | CONTAINMENT LOCATION | EQS 0060- 508- | TVA DRAWING 47E235- | NOTE |
|------------------|-------------------------------|-------------------|--------------------|--------------|--------------------------------|-----------------|---------------|-------------------------|----------------------|---------------------------|------|
| 1046 | 1-LCV-62-132A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E001 | 4GN72FB | A3/V/713/A6 | OUTSIDE | 001 | 56 | A |
| 1047 | 2-LCV-62-132A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E001 | 4GN72FB | A13/V/713/A19 | OUTSIDE | 001 | 56 | A |
| 1048 | 1-LCV-62-133B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E001 | 4GN72FB | A4/V/713/A6 | OUTSIDE | 001 | 56 | A |
| 1049 | 2-LCV-62-133B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E001 | 4GN72FB | A12/V/713/A19 | OUTSIDE | 001 | 56 | A |
| 1050 | 1-LCV-62-135A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E004 | 8GN72FB | A3/U/692/A7 | OUTSIDE | 001 | 66 | A |
| 1051 | 2-LCV-62-135A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E004 | 8GN72FB | A13/U/692/A25 | OUTSIDE | 001 | 66 | A |
| 1052 | 1-LCV-62-136B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E004 | 8GN72FB | A3/U/692/A7 | OUTSIDE | 001 | 66 | A |
| 1053 | 2-LCV-62-136B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E004 | 8GN72FB | A13/U/692/A25 | OUTSIDE | 001 | 66 | A |
| 1054 | 1-FCV-62-138B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E78 | 3GN72FB | A4/V/713/A6 | OUTSIDE | 001 | 56 | A |
| 1055 | 2-FCV-62-138B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E78 | 3GN72FB | A12/V/713/A19 | OUTSIDE | 001 | 56 | A |
| 1056 | 1-CKV-62A-504S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D177 | 8C72 | A4/U/692/A8 | OUTSIDE | 012 | 60 | A |
| 1057 | 2-CKV-62A-504S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D177 | 8C72 | A12/U/692/A24 | OUTSIDE | 012 | 60 | A |
| 1058 | 1-CKV-62A-519S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D182 | 3C78 | A5/U/692/A11 | OUTSIDE | 012 | 79 | A |
| 1059 | 2-CKV-62A-519S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D182 | 3C78 | A11/U/692/A21 | OUTSIDE | 012 | 79 | A |
| 1059A | 1-CKV-62A-525A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D184 | 4C78 | A4/U/692/A8 | OUTSIDE | 012 | 60 | A |
| 1059B | 2-CKV-62A-525A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D184 | 4C78 | A12/U/692/A24 | OUTSIDE | 012 | 60 | A |
| 1059C | 1-CKV-62A-532B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D184 | 4C78 | A4/U/692/A8 | OUTSIDE | 012 | 60 | A |
| 1059D | 2-CKV-62A-532B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D184 | 4C78 | A12/U/692/A24 | OUTSIDE | 012 | 60 | A |
| 1060 | 1-CKV-62B-930 | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D174 | 3C72 | A4/V/713/A6 | OUTSIDE | 012 | 56 | A |
| 1061 | 2-CKV-62B-930 | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D174 | 3C72 | A12/V/713/A19 | OUTSIDE | 012 | 56 | A |
| 1062 | 1-FCV-63-67B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E013 | 10GH88FHH | R-Z/326/716 | INSIDE | 001 | 42 | A |
| 1063 | 2-FCV-63-67B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E013 | 10GH88FHH | R-Z/326/716 | INSIDE | 001 | 42 | A |
| 1064 | 1-FCV-63-71A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0237 | 3/4IA78RD | R-Z/291/716 | INSIDE | 006 | 42 | A |
| 1065 | 2-FCV-63-71A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0237 | 3/4IA78RD | R-Z/291/716 | INSIDE | 006 | 42 | C |
| 1066 | 1-FCV-63-80A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E013 | 10GH88FHH | R-Z/217/716 | INSIDE | 001 | 42 | A |
| 1067 | 2-FCV-63-80A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E013 | 10GH88FHH | R-Z/217/716 | INSIDE | 001 | 42 | A |
| 1068 | 1-FCV-63-98B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E013 | 10GH88FHH | R-Z/150/716 | INSIDE | 001 | 42 | A |
| 1069 | 2-FCV-63-98B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E013 | 10GH88FHH | R-Z/150/716 | INSIDE | 001 | 42 | A |
| 1070 | 1-FCV-63-118A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E013 | 10GH88FHH | R-Z/38/716 | INSIDE | 001 | 42 | A |
| 1071 | 2-FCV-63-118A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E013 | 10GH88FHH | R-Z/38/716 | INSIDE | 001 | 42 | A |
| 1072 | 1-CKV-63-558B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 4/716 | INSIDE | 012 | 42 | A |
| 1073 | 2-CKV-63-558B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 4/716 | INSIDE | 012 | 42 | A |
| 1074 | 1-CKV-63-559B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 2/716 | INSIDE | 012 | 42 | A |
| 1075 | 2-CKV-63-559B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 2/716 | INSIDE | 012 | 42 | A |
| 1076 | 1-CKV-63-560S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 1/716 | INSIDE | 012 | 42 | A |
| 1077 | 2-CKV-63-560S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 1/716 | INSIDE | 012 | 42 | A |
| 1078 | 1-CKV-63-561S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 2/716 | INSIDE | 012 | 42 | A |
| 1079 | 2-CKV-63-561S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 2/716 | INSIDE | 012 | 42 | A |
| 1080 | 1-CKV-63-562S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 3/716 | INSIDE | 012 | 42 | A |
| 1081 | 2-CKV-63-562S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 3/716 | INSIDE | 012 | 42 | A |
| 1082 | 1-CKV-63-563S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 4/716 | INSIDE | 012 | 42 | A |
| 1083 | 2-CKV-63-563S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 4/716 | INSIDE | 012 | 42 | A |
| 1084 | 1-CKV-63-581S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D183 | 3C88 | 4/716 | INSIDE | 012 | 42 | A |
| 1085 | 2-CKV-63-581S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D183 | 3C88 | 4/716 | INSIDE | 012 | 42 | A |
| 1086 | 1-CKV-63-622S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 1/716 | INSIDE | 012 | 42 | A |
| 1087 | 2-CKV-63-622S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 1/716 | INSIDE | 012 | 42 | A |
| 1088 | 1-CKV-63-623S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 2/716 | INSIDE | 012 | 42 | A |
| 1089 | 2-CKV-63-623S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 2/716 | INSIDE | 012 | 42 | A |

WATTS BAR NUCLEAR PLANT - NSSS EQUIPMENT LIST

| REQ ID NO | TVA COMPONENT ID NUMBER | EQUIPMENT NAME | CONTRACT NUMBER | MANUFACTURER | MANUFACTURER DRAWING NUMBER | MODEL NUMBER | LOCATION | CONTAINMENT LOCATION | EQS 0060- 508- | TVA DRAWING 47E235- | NOTE |
|-----------------|-------------------------------|-------------------|--------------------|--------------|--------------------------------|-----------------|---------------|-------------------------|----------------------|---------------------------|------|
| 1090 | 1-CKV-63-624S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 3/716 | INSIDE | 012 | 42 | A |
| 1091 | 2-CKV-63-624S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 3/716 | INSIDE | 012 | 42 | A |
| 1092 | 1-CKV-63-625S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 4/716 | INSIDE | 012 | 42 | A |
| 1093 | 2-CKV-63-625S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D187 | 10C88 | 4/716 | INSIDE | 012 | 42 | A |
| 1094 | 1-CKV-63-632A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 2/716 | INSIDE | 012 | 42 | A |
| 1095 | 2-CKV-63-632A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 2/716 | INSIDE | 012 | 42 | A |
| 1096 | 1-CKV-63-633B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 1/716 | INSIDE | 012 | 42 | A |
| 1097 | 2-CKV-63-633B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 1/716 | INSIDE | 012 | 42 | A |
| 1098 | 1-CKV-63-634A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 3/716 | INSIDE | 012 | 42 | A |
| 1099 | 2-CKV-63-634A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 3/716 | INSIDE | 012 | 42 | A |
| 1100 | 1-CKV-63-635B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 4/716 | INSIDE | 012 | 42 | A |
| 1101 | 2-CKV-63-635B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 4/716 | INSIDE | 012 | 42 | A |
| 1102 | 1-CKV-63-640S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D186 | 8C88 | 1/716 | INSIDE | 012 | 42 | A |
| 1103 | 2-CKV-63-640S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D186 | 8C88 | 1/716 | INSIDE | 012 | 42 | A |
| 1104 | 1-CKV-63-641S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 1/716 | INSIDE | 012 | 42 | A |
| 1105 | 2-CKV-63-641S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 1/716 | INSIDE | 012 | 42 | A |
| 1106 | 1-CKV-63-643S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D186 | 8C88 | 2/716 | INSIDE | 012 | 42 | A |
| 1107 | 2-CKV-63-643S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D186 | 8C88 | 2/716 | INSIDE | 012 | 42 | A |
| 1108 | 1-CKV-63-644S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 3/716 | INSIDE | 012 | 42 | A |
| 1109 | 2-CKV-63-644S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D185 | 6C88 | 3/716 | INSIDE | 012 | 42 | A |
| 1110 | 1-FCV-63-1A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E285 | 14GM74FE | A5/U/692/A8 | OUTSIDE | 001 | 60 | A |
| 1111 | 2-FCV-63-1A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E285 | 14GM74FE | A11/U/692/A24 | OUTSIDE | 001 | 60 | A |
| 1112 | 1-FCV-63-3A | GLOBE VALVE | 71C62-54114-1 | VELAN | E73-032-R & E73-033 | 2TH78FM | A5/U/692/A8 | OUTSIDE | 003 | 60 | A |
| 1113 | 2-FCV-63-3A | GLOBE VALVE | 71C62-54114-1 | VELAN | E73-032-R & E73-033 | 2TH78FM | A11/U/692/A24 | OUTSIDE | 003 | 60 | A |
| 1114 | 1-FCV-63-4B | GLOBE VALVE | 71C62-54114-1 | VELAN | E73-032-R & E73-033 | 2TH78FM | A5/V/692/A13 | OUTSIDE | 003 | 79 | A |
| 1115 | 2-FCV-63-4B | GLOBE VALVE | 71C62-54114-1 | VELAN | E73-032-R & E73-033 | 2TH78FM | A11/V/692/A19 | OUTSIDE | 003 | 79 | A |
| 1116 | 1-FCV-63-5B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E280 | 8GM72FB | A5/U/692/A8 | OUTSIDE | 001 | 60 | A |
| 1117 | 2-FCV-63-5B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E280 | 8GM72FB | A11/U/692/A24 | OUTSIDE | 001 | 60 | A |
| 1118 | 1-FCV-63-6B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E001 | 4GM72FB | A5/V/692/A8 | OUTSIDE | 001 | 60 | A |
| 1119 | 2-FCV-63-6B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E001 | 4GM72FB | A11/V/692/A24 | OUTSIDE | 001 | 60 | A |
| 1120 | 1-FCV-63-7A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E001 | 4GM72FB | A5/V/692/A8 | OUTSIDE | 001 | 60 | A |
| 1121 | 2-FCV-63-7A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E001 | 4GM72FB | A11/V/692/A24 | OUTSIDE | 001 | 60 | A |
| 1122 | 1-FCV-63-8A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E82 | 8GM74FE | A5/V/713/A28 | OUTSIDE | 001 | 61 | A |
| 1123 | 2-FCV-63-8A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E82 | 8GM74FE | A11/V/713/A29 | OUTSIDE | 001 | 61 | A |
| 1124 | 1-FCV-63-11B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E82 | 8GM74FE | A5/V/713/A28 | OUTSIDE | 001 | 61 | A |
| 1125 | 2-FCV-63-11B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E82 | 8GM74FE | A11/V/713/A29 | OUTSIDE | 001 | 61 | A |
| 1126 | 1-FCV-63-22B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FM | A5/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1127 | 2-FCV-63-22B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FM | A11/W/713/A29 | OUTSIDE | 001 | 61 | A |
| 1128 | 1-FCV-63-23B | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0223 | 11A78RD | A5/W/713/A28 | OUTSIDE | 006 | 61 | B |
| 1129 | 2-FCV-63-23B | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0223 | 11A78RD | A11/W/713/A29 | OUTSIDE | 006 | 61 | B |
| 1130 | 1-FCV-63-25B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FM | A5/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1131 | 2-FCV-63-25B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FM | A11/W/713/A29 | OUTSIDE | 001 | 61 | A |
| 1132 | 1-FCV-63-26A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FM | A5/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1133 | 2-FCV-63-26A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FM | A11/W/713/A29 | OUTSIDE | 001 | 61 | A |
| 1134 | 1-FCV-63-38B | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0223 | 11A78RD | A5/W/713/A28 | OUTSIDE | 006 | 61 | B |
| 1135 | 2-FCV-63-38B | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0223 | 11A78RD | A11/W/713/A29 | OUTSIDE | 006 | 61 | B |
| 1136 | 1-FCV-63-39A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FM | A5/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1137 | 2-FCV-63-39A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FM | A11/W/713/A29 | OUTSIDE | 001 | 61 | A |

WATTS BAR NUCLEAR PLANT - NSSS EQUIPMENT LIST

| REQ ID NO | TVA COMPONENT ID NUMBER | EQUIPMENT NAME | CONTRACT NUMBER | MANUFACTURER | MANUFACTURER DRAWING NUMBER | MODEL NUMBER | LOCATION | CONTAINMENT LOCATION | EQS 0060- 508- | TVA DRAWING 47E235- | NOTE |
|-----------------|-------------------------------|-------------------|--------------------|--------------|--------------------------------|-----------------|-----------------|-------------------------|----------------------|---------------------------|------|
| 1138 | 1-FCV-63-40B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FN | A5/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1139 | 2-FCV-63-40B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FN | A11/W/713/A29 | OUTSIDE | 001 | 61 | A |
| 1140 | 1-FCV-63-41B | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0223 | 11A78RD | A5/W/713/A28 | OUTSIDE | 006 | 61 | B |
| 1141 | 2-FCV-63-41B | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0223 | 11A78RD | A11/W/713/A29 | OUTSIDE | 006 | 61 | B |
| 1142 | 1-FCV-63-42A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0223 | 11A78RD | A5/W/713/A28 | OUTSIDE | 006 | 61 | B |
| 1143 | 2-FCV-63-42A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0223 | 11A78RD | A11/W/713/A29 | OUTSIDE | 006 | 61 | B |
| 1144 | 1-FCV-63-47A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E003 | 6GN72FB | A6/V/692/A13 | OUTSIDE | 001 | 79 | A |
| 1145 | 2-FCV-63-47A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E003 | 6GN72FB | A10/V/692/A19 | OUTSIDE | 001 | 79 | A |
| 1146 | 1-FCV-63-48B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E003 | 6GN72FB | A6/U/692/A12 | OUTSIDE | 001 | 79 | A |
| 1147 | 2-FCV-63-48B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E003 | 6GN72FB | A10/U/692/A10 | OUTSIDE | 001 | 79 | A |
| 1148 | 1-FCV-63-64A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0240 | 11A68RDS | A5/W/713/A28 | OUTSIDE | 006 | 61 | B |
| 1149 | 2-FCV-63-64A | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0240 | 11A68RDS | A11/W/713/A29 | OUTSIDE | 006 | 61 | B |
| 1150 | 1-FCV-63-72A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E615 | 18GM74FEH | A4/V/685 | OUTSIDE | 001 | 77 | A |
| 1151 | 2-FCV-63-72A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E615 | 18GM74FEH | A12/V/685 | OUTSIDE | 001 | 77 | A |
| 1152 | 1-FCV-63-73B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E615 | 18GM74FEH | A4/V/685 | OUTSIDE | 001 | 77 | A |
| 1153 | 2-FCV-63-73B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E615 | 18GM74FEH | A12/V/685 | OUTSIDE | 001 | 77 | A |
| 1154 | 1-FCV-63-84B | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0237 | 3/4IA78RD | A5/W/713/A28 | OUTSIDE | 006 | 61 | B |
| 1155 | 2-FCV-63-84B | GLOBE VALVE | 71C62-54114-1 | FISHER | 54A0237 | 3/4IA78RD | A11/W/713/A29 | OUTSIDE | 006 | 61 | B |
| 1156 | 1-FCV-63-93A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E012 | 8GM78FN | A5/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1157 | 2-FCV-63-93A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E012 | 8GM78FN | A11/W/713/A29 | OUTSIDE | 001 | 61 | A |
| 1158 | 1-FCV-63-94B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E012 | 8GM78FN | A5/U/713/A28 | OUTSIDE | 001 | 61 | A |
| 1159 | 2-FCV-63-94B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E012 | 8GM78FN | A11/U/713/A29 | OUTSIDE | 001 | 61 | A |
| 1160 | 1-FCV-63-152A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E620 | 4GM77FH | A5/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1161 | 2-FCV-63-152A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E620 | 4GM77FH | A11/W/713/A29 | OUTSIDE | 001 | 61 | A |
| 1162 | 1-FCV-63-153B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E620 | 4GM77FH | A5/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1163 | 2-FCV-63-153B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E620 | 4GM77FH | A11/W/713/A29 | OUTSIDE | 001 | 61 | A |
| 1164 | 1-FCV-63-156A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FN | A5/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1165 | 2-FCV-63-156A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FN | A11/W/713/A29 | OUTSIDE | 001 | 61 | A |
| 1166 | 1-FCV-63-157B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FN | A5/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1167 | 2-FCV-63-157B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E011 | 4GM78FN | A11/W/713/A29 | OUTSIDE | 001 | 61 | A |
| 1168 | 1-FCV-63-172B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E81 | 12GN78SE | A5/W/713/A28 | OUTSIDE | 001 | 61 | A |
| 1169 | 2-FCV-63-172B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E81 | 12GN78SE | A11/W/713/A29 | OUTSIDE | 001 | 61 | A |
| 1170 | 1-FCV-63-175B | GLOBE VALVE | 71C62-54114-1 | VELAN | E73-032-R & E73-033 | 2TH78FN | A5/U/692/A12 | OUTSIDE | 003 | 79 | A |
| 1171 | 2-FCV-63-175B | GLOBE VALVE | 71C62-54114-1 | VELAN | E73-032-R & E73-033 | 2TH78FN | A11/U/692/A20 | OUTSIDE | 003 | 79 | A |
| 1172 | 1-CKV-63-502S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 5061D45 | 12C74 | A5/U-V/692/A8 | OUTSIDE | 012 | 60 | A |
| 1173 | 2-CKV-63-502S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 5061D45 | 12C74 | A11/U-V/692/A24 | OUTSIDE | 012 | 60 | A |
| 1174 | 1-CKV-63-510S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D177 | 8C72 | A5/U-V/692/A8 | OUTSIDE | 012 | 60 | A |
| 1175 | 2-CKV-63-510S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D177 | 8C72 | A11/U-V/692/A24 | OUTSIDE | 012 | 60 | A |
| 1176 | 1-CKV-63-524A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D181 | 4C77 | A5/U-V/692/A12 | OUTSIDE | 012 | 79 | A |
| 1177 | 2-CKV-63-524A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D181 | 4C77 | A10/U-V/692/A20 | OUTSIDE | 012 | 79 | A |
| 1178 | 1-CKV-63-526B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D181 | 4C77 | A5/U-V/692/A12 | OUTSIDE | 012 | 79 | A |
| 1179 | 2-CKV-63-526B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D181 | 4C77 | A10/U-V/692/A20 | OUTSIDE | 012 | 79 | A |
| 1180 | 1-FVC-68-307A | GLOBE VALVE | 71C62-54114-1 | COPEL VULCAN | E-171555 | 3/8TA78RL | R-Z/307/723 | INSIDE | 004 | 42 | C |
| 1181 | 2-FCV-68-307A | GLOBE VALVE | 71C62-54114-1 | COPEL VULCAN | E-171555 | 3/8TA78RL | R-Z/307/723 | INSIDE | 004 | 42 | C |
| 1182 | 1-FCV-68-308B | GLOBE VALVE | 71C62-54114-1 | COPEL VULCAN | E-171555 | 3/8TA78RL | R-Z/305/716 | INSIDE | 004 | 42 | C |
| 1183 | 2-FCV-68-308B | GLOBE VALVE | 71C62-54114-1 | COPEL VULCAN | E-171555 | 3/8TA78RL | R-Z/305/716 | INSIDE | 004 | 42 | C |
| 1184 | 1-FCV-68-332B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E010 | 3GN88FHH | R-Z/104/783 | INSIDE | 001 | 41 | A |
| 1185 | 2-FCV-68-332B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E010 | 3GN88FHH | R-Z/104/783 | INSIDE | 001 | 41 | A |

WATTS BAR NUCLEAR PLANT - NSSS EQUIPMENT LIST

| REQ ID NO | TVA COMPONENT ID NUMBER | EQUIPMENT NAME | CONTRACT NUMBER | MANUFACTURER | MANUFACTURER DRAWING NUMBER | MODEL NUMBER | LOCATION | CONTAINMENT LOCATION | EQS 0060- 508- | TVA DRAWING 47E235- | NOTE |
|-----------------|-------------------------------|-------------------|--------------------|--------------|--------------------------------|-----------------|-----------------|-------------------------|----------------------|---------------------------|------|
| 1186 | 1-FCV-68-333A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E010 | 3GH88FHH | R-2/104/783 | INSIDE | 001 | 41 | A |
| 1187 | 2-FCV-68-333A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E010 | 3GH88FHH | R-2/104/783 | INSIDE | 001 | 41 | A |
| 1188 | 1-FSV-68-394A | GLOBE VALVE | 71C62-54114-1 | TARGET ROCK | 79AB-001 | 1IS88RA | R-2/45/716 | INSIDE | 005 | 42 | C |
| 1189 | 2-FSV-68-394A | GLOBE VALVE | 71C62-54114-1 | TARGET ROCK | 79AB-001 | 1IS88RA | R-2/45/716 | INSIDE | 005 | 42 | C |
| 1190 | 1-FSV-68-395B | GLOBE VALVE | 71C62-54114-1 | TARGET ROCK | 79AB-001 | 1IS88RA | R-2/45/716 | INSIDE | 005 | 42 | C |
| 1191 | 2-FSV-68-395B | GLOBE VALVE | 71C62-54114-1 | TARGET ROCK | 79AB-001 | 1IS88RA | R-2/45/716 | INSIDE | 005 | 42 | C |
| 1192 | 1-FSV-68-396B | GLOBE VALVE | 71C62-54114-1 | TARGET ROCK | 79AB-001 | 1IS88RA | R-2/45/716 | INSIDE | 005 | 42 | C |
| 1193 | 2-FSV-68-396B | GLOBE VALVE | 71C62-54114-1 | TARGET ROCK | 79AB-003 | 1RS78RA | R-2/53/716 | INSIDE | 005 | 42 | C |
| 1194 | 1-FSV-68-397A | GLOBE VALVE | 71C62-54114-1 | TARGET ROCK | 79AB-003 | 1RS78RA | R-2/53/716 | INSIDE | 005 | 42 | C |
| 1195 | 2-FSV-68-397A | GLOBE VALVE | 71C62-54114-1 | TARGET ROCK | 79AB-003 | 1RS78RA | R-2/50/716 | INSIDE | 005 | 42 | C |
| 1196 | 1-CKV-68-559S | CHECK VALVE | 71C62-54114-1 | TARGET ROCK | 79AB-003 | 1RS78RA | R-2/50/716 | INSIDE | 005 | 42 | C |
| 1197 | 2-CKV-68-559S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D176 | 1RS78RA | R-2/50/716 | INSIDE | 005 | 42 | C |
| 1198 | 1-RFV-68-563S | RELIEF VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D176 | 4C72 | 4/727 | INSIDE | 012 | 42 | A |
| 1199 | 2-RFV-68-563S | RELIEF VALVE | 71C62-54114-1 | CROSBY | DSCA56964 | 4C72 | 4/727 | INSIDE | 012 | 42 | A |
| 1200 | 1-RFV-68-564S | RELIEF VALVE | 71C62-54114-1 | CROSBY | DSCA56964 | 6RV88MSB | 2/780 | INSIDE | 002 | 41 | C |
| 1201 | 2-RFV-68-564S | RELIEF VALVE | 71C62-54114-1 | CROSBY | DSCA56964 | 6RV88MSB | 2/780 | INSIDE | 002 | 41 | C |
| 1202 | 1-RFV-68-565S | RELIEF VALVE | 71C62-54114-1 | CROSBY | DSCA56964 | 6RV88MSB | 2/780 | INSIDE | 002 | 41 | C |
| 1203 | 2-RFV-68-565S | RELIEF VALVE | 71C62-54114-1 | CROSBY | DSCA56964 | 6RV88MSB | 2/780 | INSIDE | 002 | 41 | C |
| 1204 | 1-FCV-68-305A | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | DSCA56964 | 6RV88MSB | 2/780 | INSIDE | 002 | 41 | C |
| 1205 | 2-FCV-68-305A | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-102166 | 3/4DA92R | A5/W/713/A28 | OUTSIDE | 007 | 61 | A |
| 1206 | 1-CKV-72-548A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | SD-C-102166 | 3/4DA92R | A11/W/713/A29 | OUTSIDE | 007 | 61 | A |
| 1207 | 2-CKV-72-548A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 5061D38 | 10C72 | 4/854 | INSIDE | 012 | 41 | A |
| 1208 | 1-CKV-72-549B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 5061D38 | 10C72 | 4/854 | INSIDE | 012 | 41 | A |
| 1209 | 2-CKV-72-549B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 5061D38 | 10C72 | 4/854 | INSIDE | 012 | 41 | A |
| 1210 | 1-CKV-72-562A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 5061D38 | 10C72 | 4/854 | INSIDE | 012 | 41 | A |
| 1211 | 2-CKV-72-562A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D177 | 8C72 | 4/855 | INSIDE | 012 | 41 | A |
| 1212 | 1-CKV-72-563B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D177 | 8C72 | 4/855 | INSIDE | 012 | 41 | A |
| 1213 | 2-CKV-72-563B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D177 | 8C72 | 4/855 | INSIDE | 012 | 41 | A |
| 1214 | 1-FCV-72-2B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D177 | 8C72 | 4/855 | INSIDE | 012 | 41 | A |
| 1215 | 2-FCV-72-2B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E80 | 10GN72FB | A4/W/737/A5 | OUTSIDE | 001 | 48 | A |
| 1216 | 1-FCV-72-21B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E80 | 10GN72FB | A12/W/737/A9 | OUTSIDE | 001 | 48 | A |
| 1217 | 2-FCV-72-21B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E77 | 12GN72FB | A5/T/676/A16 | OUTSIDE | 001 | 58 | A |
| 1218 | 1-FCV-72-22A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E77 | 12GN72FB | A11/T/676/A17 | OUTSIDE | 001 | 58 | A |
| 1219 | 2-FCV-72-22A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E77 | 12GN72FB | A5/U/676/A16 | OUTSIDE | 001 | 58 | A |
| 1220 | 1-FCV-72-39A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E77 | 12GN72FB | A11/U/676/A17 | OUTSIDE | 001 | 58 | A |
| 1221 | 2-FCV-72-39A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E80 | 10GN72FB | A4/W/737/A5 | OUTSIDE | 001 | 48 | A |
| 1222 | 1-FCV-72-40A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E80 | 10GN72FB | A12/W/737/A9 | OUTSIDE | 001 | 48 | A |
| 1223 | 2-FCV-72-40A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E82 | 8GN74FE | A5/V/713/A28 | OUTSIDE | 001 | 61 | A |
| 1224 | 1-FVC-72-41B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E82 | 8GN74FE | A11/V/713/A29 | OUTSIDE | 001 | 61 | A |
| 1225 | 2-FVC-72-41B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E82 | 8GN74FE | A5/V/713/A28 | OUTSIDE | 001 | 61 | A |
| 1226 | 1-FCV-72-44A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E82 | 8GN74FE | A11/V/713/A29 | OUTSIDE | 001 | 61 | A |
| 1227 | 2-FCV-72-44A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E38 | 12GN72FBH | A4/V/685 | OUTSIDE | 001 | 77 | A |
| 1228 | 1-FCV-72-45B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E38 | 12GN72FBH | A12/V/685 | OUTSIDE | 001 | 77 | A |
| 1229 | 2-FCV-72-45B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E38 | 12GN72FBH | A3/V/685 | OUTSIDE | 001 | 77 | A |
| 1230 | 1-CKV-72-506A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E38 | 12GN72FBH | A13/V/685 | OUTSIDE | 001 | 77 | A |
| 1231 | 2-CKV-72-506A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 5061D47 | 12C72 | A5/U-T/676/A9 | OUTSIDE | 012 | 81 | A |
| 1232 | 1-CKV-72-507B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 5061D47 | 12C72 | A11/U-T/676/A14 | OUTSIDE | 012 | 81 | A |
| 1233 | 2-CKV-72-507B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 5061D47 | 12C72 | A5/U-T/676/A9 | OUTSIDE | 012 | 81 | A |
| | | | | | 5061D47 | 12C72 | A11/U-T/676/A14 | OUTSIDE | 012 | 81 | A |

WATTS BAR NUCLEAR PLANT - NSSS EQUIPMENT LIST

| REQ ID NO | TVA COMPONENT ID NUMBER | EQUIPMENT NAME | CONTRACT NUMBER | MANUFACTURER | MANUFACTURER DRAWING NUMBER | MODEL NUMBER | LOCATION | CONTAINMENT LOCATION | EQS 0060- 508- | TVA DRAWING 47E235- | NOTE |
|-----------------|-------------------------------|-------------------|--------------------|--------------|--------------------------------|-----------------|-----------------|-------------------------|----------------------|---------------------------|------|
| 1234 | 1-FCV-74-1A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E622 | 14GH88SEH | R-Z/355/703 | INSIDE | 001 | 42 | A |
| 1235 | 2-FCV-74-1A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E622 | 14GH88SEH | R-Z/355/703 | INSIDE | 001 | 42 | A |
| 1236 | 1-FVC-74-2B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E622 | 14GH88SEH | R-Z/301/716 | INSIDE | 001 | 42 | A |
| 1237 | 2-FCV-74-2B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E622 | 14GH88SEH | R-Z/301/716 | INSIDE | 001 | 42 | A |
| 1238 | 1-FCV-74-8A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E79 | 10GH88SEH | R-Z/304/716 | INSIDE | 001 | 42 | A |
| 1239 | 2-FCV-74-8A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E79 | 10GH88SEH | R-Z/304/716 | INSIDE | 001 | 42 | A |
| 1240 | 1-FCV-74-9B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E79 | 10GH88SEH | R-Z/345/703 | INSIDE | 001 | 42 | A |
| 1241 | 2-FCV-74-9B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 1167E79 | 10GH88SEH | R-Z/345/703 | INSIDE | 001 | 42 | A |
| 1242 | 1-FCV-74-3A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E007 | 14GN74FEH | A5/V/676/A11 | OUTSIDE | 001 | 74 | A |
| 1243 | 2-FCV-74-3A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E007 | 14GN74FEH | A11/V/676/A12 | OUTSIDE | 001 | 74 | A |
| 1244 | 1-FCV-74-12A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E009 | 3GN78FN | A5/V/676/A16 | OUTSIDE | 001 | 58 | A |
| 1245 | 2-FCV-74-12A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E009 | 3GN78FN | A11/V/676/A17 | OUTSIDE | 001 | 58 | A |
| 1246 | 1-FCV-74-16 | BUTTERFLY VALVE | 71C62-54114-1 | FISHER | F43425 | 8BA74D | A5/V-W/713/A12 | OUTSIDE | 013 | 50 | C |
| 1247 | 2-FCV-74-16 | BUTTERFLY VALVE | 71C62-54114-1 | FISHER | F43425 | 8BA74D | A9/V-W/713/A15 | OUTSIDE | 013 | 50 | C |
| 1248 | 1-FCV-74-21B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E007 | 14GN74FEH | A5/V/676/A10 | OUTSIDE | 001 | 74 | A |
| 1249 | 2-FCV-74-21B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E007 | 14GN74FEH | A11/V/676/A13 | OUTSIDE | 001 | 74 | A |
| 1250 | 1-FCV-74-24B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E009 | 2GN78FN | A5/U/676/A16 | OUTSIDE | 001 | 58 | A |
| 1251 | 2-FCV-74-24B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E009 | 2GN78FN | A11/U/676/A17 | OUTSIDE | 001 | 58 | A |
| 1252 | 1-FCV-74-28 | BUTTERFLY VALVE | 71C62-54114-1 | FISHER | F43425 | 8BA74D | A5/U-V/713/A12 | OUTSIDE | 013 | 50 | C |
| 1253 | 2-FCV-74-28 | BUTTERFLY VALVE | 71C62-54114-1 | FISHER | F43425 | 8BA74D | A9/U-V/713/A15 | OUTSIDE | 013 | 50 | C |
| 1254 | 1-FCV-74-33A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E005 | 8GN74FE | A7/W/713/A12 | OUTSIDE | 001 | 50 | A |
| 1255 | 2-FCV-74-33A | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E005 | 8GN74FE | A9/W/713/A15 | OUTSIDE | 001 | 50 | A |
| 1256 | 1-FCV-74-35B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E005 | 8GN74FE | A7/V/713/A11 | OUTSIDE | 001 | 50 | A |
| 1257 | 2-FCV-74-35B | GATE VALVE | 71C62-54114-1 | WESTINGHOUSE | 115E005 | 8GN74FE | A9/V/713/A16 | OUTSIDE | 001 | 50 | A |
| 1258 | 1-CKV-74-514A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D179 | 8C74 | A5/V-W/676/A11 | OUTSIDE | 012 | 74 | A |
| 1259 | 2-CKV-74-514A | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D179 | 8C74 | A10/V-V/676/A12 | OUTSIDE | 012 | 74 | A |
| 1260 | 1-CKV-74-515B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D179 | 8C74 | A5/U-V/676/A10 | OUTSIDE | 012 | 74 | A |
| 1261 | 2-CKV-74-515B | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D179 | 8C74 | A10/U-V/676/A13 | OUTSIDE | 012 | 74 | A |
| 1262 | 1-FCV-77-9B | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-101646 | 3DA92R | R-Z/278/716 | INSIDE | 007 | 42 | C |
| 1263 | 2-FCV-77-9B | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-101646 | 3DA92R | R-Z/278/716 | INSIDE | 007 | 42 | C |
| 1264 | 1-FCV-77-16B | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-102166 | 3/4DA92R | R-Z/287/716 | INSIDE | 007 | 42 | C |
| 1265 | 2-FCV-77-16B | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-102166 | 3/4DA92R | R-Z/287/716 | INSIDE | 007 | 42 | C |
| 1266 | 1-FCV-77-18B | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-102171 | 1DA92R | R-Z/282/716 | INSIDE | 007 | 42 | C |
| 1267 | 2-FCV-77-18B | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-102171 | 1DA92R | R-Z/282/716 | INSIDE | 007 | 42 | C |
| 1268 | 1-FCV-77-10A | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-102646 | 3DA92R | A5/W/713/A28 | OUTSIDE | 007 | 61 | A |
| 1269 | 2-FCV-77-10A | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-102646 | 3DA92R | A11/W/713/A29 | OUTSIDE | 007 | 61 | A |
| 1270 | 1-FCV-77-17A | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-102166 | 3/4DA92R | A5/W/713/A28 | OUTSIDE | 007 | 61 | A |
| 1271 | 2-FCV-77-17A | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-102166 | 3/4DA92R | A11/W/713/A29 | OUTSIDE | 007 | 61 | A |
| 1272 | 1-FCV-77-19A | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-102171 | 1DA92R | A5/W/713/A28 | OUTSIDE | 007 | 61 | A |
| 1273 | 2-FCV-77-19A | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-102171 | 1DA92R | A11/W/713/A29 | OUTSIDE | 007 | 61 | A |
| 1274 | 1-FCV-77-20A | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-102171 | 1DA92R | A5/W/713/A28 | OUTSIDE | 007 | 61 | A |
| 1275 | 2-FCV-77-20A | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-102171 | 1DA92R | A11/W/713/A29 | OUTSIDE | 007 | 61 | A |
| 1276 | 1-CKV-81-502 | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D174 | 3C72 | 4/723.5 | INSIDE | 012 | 42 | A |
| 1277 | 2-CKV-81-502 | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D174 | 3C72 | 4/725.5 | INSIDE | 012 | 42 | A |
| 1278 | 1-FCV-81-12A | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-101646 | 3DA92R | A4/W/713/A28 | OUTSIDE | 007 | 61 | A |
| 1279 | 2-FCV-81-12A | DIAPHRAGM VALVE | 71C62-54114-1 | GRINNELL | SD-C-101646 | 3DA92R | A12/W/713/A29 | OUTSIDE | 007 | 61 | A |
| 1280 | 1-FCV-87-7A | GLOBE VALVE | 71C62-54114-1 | FISHER | 53A7672 | 21A88RG | R-Z/225/703 | INSIDE | 006 | 42 | C |
| 1281 | 2-FCV-87-7A | GLOBE VALVE | 71C62-54114-1 | FISHER | 53A7672 | 21A88RG | R-Z/225/703 | INSIDE | 006 | 42 | C |

WATTS BAR NUCLEAR PLANT - MSSS EQUIPMENT LIST

| MEQ ID NO | TVA COMPONENT ID NUMBER | EQUIPMENT NAME | CONTRACT NUMBER | MANUFACTURER | MANUFACTURER DRAWING NUMBER | MODEL NUMBER | LOCATION | CONTAINMENT LOCATION | EQS 0060- 508- | TVA DRAWING 47E235- | NOTE |
|-----------------|-------------------------------|-------------------|--------------------|-----------------|--------------------------------|-----------------|---------------|-------------------------|----------------------|---------------------------|------|
| 1282 | 1-FCV-87-8A | GLOBE VALVE | 71C62-54114-1 | FISHER | 53A7672 | 21A88RG | R-2/225/703 | INSIDE | 006 | 42 | C |
| 1283 | 2-FCV-87-8A | GLOBE VALVE | 71C62-54114-1 | FISHER | 53A7672 | 21A88RG | R-2/225/703 | INSIDE | 006 | 42 | C |
| 1284 | 1-CKV-87-558S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D186 | 8C88 | 3/749 | INSIDE | 012 | 41 | A |
| 1285 | 2-CKV-87-558S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D186 | 8C88 | 3/749 | INSIDE | 012 | 41 | A |
| 1286 | 1-CKV-87-559S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D186 | 8C88 | 1/749 | INSIDE | 012 | 41 | A |
| 1287 | 2-CKV-87-559S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D186 | 8C88 | 1/749 | INSIDE | 012 | 41 | A |
| 1288 | 1-CKV-87-560S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D186 | 8C88 | 3/749 | INSIDE | 012 | 41 | A |
| 1289 | 2-CKV-87-560S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D186 | 8C88 | 3/749 | INSIDE | 012 | 41 | A |
| 1290 | 1-CKV-87-561S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 934D186 | 8C88 | 1/749 | INSIDE | 012 | 41 | A |
| 1291 | 2-CKV-87-561S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 943D186 | 8C88 | 1/749 | INSIDE | 012 | 41 | A |
| 1292 | 1-CKV-87-562S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 5055D40 | 12C88 | 3/711 | INSIDE | 012 | 42 | A |
| 1293 | 2-CKV-87-562S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 5055D40 | 12C88 | 3/711 | INSIDE | 012 | 42 | A |
| 1294 | 1-CKV-87-563S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 5055D40 | 12C88 | 3/711 | INSIDE | 012 | 42 | A |
| 1295 | 2-CKV-87-563S | CHECK VALVE | 71C62-54114-1 | WESTINGHOUSE | 5055D40 | 12C88 | 3/711 | INSIDE | 012 | 42 | A |
| 1296 | CC 1A-A | PUMP | 71C62-54114-1 | PACIFIC/DRESSER | E-48590 & C-15933 | 2.5" RL1J | A4/U/692/A13 | OUTSIDE | 011 | 79 | C |
| 1297 | CC 2A-A | PUMP | 71C62-54114-1 | PACIFIC/DRESSER | E-48590 & C-15933 | 2.5" RL1J | A12/W/692/A19 | OUTSIDE | 011 | 79 | C |
| 1298 | CC 1B-B | PUMP | 71C62-54114-1 | PACIFIC/DRESSER | E-48590 & C-15933 | 2.5" RL1J | A4/U/692/A12 | OUTSIDE | 011 | 79 | C |
| 1299 | CC 2B-B | PUMP | 71C62-54114-1 | PACIFIC/DRESSER | E-48590 & C-15933 | 2.5" RL1J | A12/W/692/A20 | OUTSIDE | 011 | 79 | C |
| 1300 | SIS 1A-A | PUMP | 71C62-54114-1 | PACIFIC/DRESSER | JLF-49351 | 3" JHF | A6/V/692/A13 | OUTSIDE | 011 | 79 | C |
| 1301 | SIS 2A-A | PUMP | 71C62-54114-1 | PACIFIC/DRESSER | JLF-49351 | 3" JHF | A10/V/692/A19 | OUTSIDE | 011 | 79 | C |
| 1302 | SIS 1B-B | PUMP | 71C62-54114-1 | PACIFIC/DRESSER | JLF-49351 | 3" JHF | A6/U/692/A12 | OUTSIDE | 011 | 79 | C |
| 1303 | SIS 2B-B | PUMP | 71C62-54114-1 | PACIFIC/DRESSER | JLF-49351 | 3" JHF | A10/V/692/A20 | OUTSIDE | 011 | 79 | C |
| 1304 | CS 1A-A | PUMP | 71C62-54114-1 | B&W | 71-600-186 | NHSH | A6/U/676/A9 | OUTSIDE | 008 | 81 | C |
| 1305 | CS 2A-A | PUMP | 71C62-54114-1 | B&W | 71-600-186 | NHSH | A10/U/676/A14 | OUTSIDE | 008 | 81 | C |
| 1306 | CS 1B-B | PUMP | 71C62-54114-1 | B&W | 71-600-186 | NHSH | A6/U/676/A8 | OUTSIDE | 008 | 81 | C |
| 1307 | CS 2B-B | PUMP | 71C62-54114-1 | B&W | 71-600-186 | NHSH | A10/U/676/A15 | OUTSIDE | 008 | 81 | C |
| 1308 | RHR 1A-A | PUMP | 71C62-54114-1 | INGERSOLL-RAND | C-8X20WDF500X9-C | 8X20 WDF | A5/W/676/A11 | OUTSIDE | 009 | 74 | B |
| 1309 | RHR 2A-A | PUMP | 71C62-54114-1 | INGERSOLL-RAND | C-8X20WDF500X9-C | 8X20 WDF | A11/W/676/A12 | OUTSIDE | 009 | 74 | B |
| 1310 | RHR 1B-B | PUMP | 71C62-54114-1 | INGERSOLL-RAND | C-8X20WDF500X9-C | 8X20 WDF | A5/V/676/A10 | OUTSIDE | 009 | 74 | B |
| 1311 | RHR 2B-B | PUMP | 71C62-54114-1 | INGERSOLL-RAND | C-8X20WDF500X9-C | 8X20 WDF | A11/V/676/A13 | OUTSIDE | 009 | 74 | B |
| 1312 | SFP A-A | PUMP | 71C62-54114-1 | GOULDS | N229729-1. 2, 3 | 3405 | A11/W/737/A1 | OUTSIDE | 010 | 46 | A |
| 1313 | SFP B-B | PUMP | 71C62-54114-1 | GOULDS | N229729-1. 2, 3 | 3405 | A9/W/737/A1 | OUTSIDE | 010 | 46 | A |
| 1314 | SFP C-C | PUMP | 71C62-54114-1 | GOULDS | N229729-1. 2, 3 | 3405 | A10/W/737/A1 | OUTSIDE | 010 | 46 | A |

R1

Impell Summary No. 0060-508-011
TVA Input R1

Discussions

Review indicates sensitive materials as Durez, Micarta, Nordel, and Paper.

Radiation is the limiting environmental condition.

TVA has calculated the maximum hypothetical accident, taking into account the actual configuration in the pump rooms to determine the accident radiation dose to the pump's radiosensitive materials. The 100-day integrated accident dose was calculated to be $3.5E6$ rads, reference John A. Raulston's memorandum to C. A. Chandley dated May 2, 1984 (NEB 840502 260).

The total 40-year integrated dose ($1E6$) plus the 100-day accident dose ($3.5E6$) is $4.5E6$.

Durez and Micarta used in these pumps are the same material. Radiation damage levels for Micarta, Phenol Formaldehyde-Paper Laminate Filler, are the most conservative and will be used in the evaluation. Reference 046-83 from the BOP evaluation indicates a 50 percent radiation damage level for elongation at a dose of $7.5E7$. Based on this the Durez and Micarta parts are acceptable for use in the subject environments.

The Nordel parts are acceptable for use in the subject environment based on direct comparison of radiation damage levels up to 50-percent property change.

The paper gaskets will have a 23-percent reduction in tensile strength at a dose of $4.4E6$ rads. The radiation life of the paper gaskets is 36 years. This is based on $4,400,000$ rads - $3,500,000$ rads \div $35,000$ rads per year (23 percent rad level - 100 day accident dose \div normal rad dose per year = radiation life).

TVA has instituted a maintenance program and revised the maintenance manuals to reflect a 20-year replacement schedule for the paper gaskets. With proper maintenance, the paper gaskets are acceptable for use in the subject environment.

Conclusions

The pumps described in this summary are acceptable for use under this qualification program. (Reference NCR WBNNEB8326, NEB 831102 851).

Prepared by: Thomas R. [Signature] Date 6/20/84
Reviewed by: J. W. [Signature] Date 6/20/84
Revision

NONCONFORMANCE REPORT

REPORT NO. WBNNEB8326R2

16 ASSIGNABLE CAUSE: (REQUIRED IF SIGNIFICANT)

Pumps were not originally procured to qualify under the electrical equipment environmental qualification standards, therefore, documentation is not available for qualification of nonmetallic parts of this equipment.

R2

17 POTENTIAL GENERIC CONDITION REVIEW REQUIRED (EN DES-EP 1.52) YES NO

18a ACTION REQUIRED TO PREVENT RECURRENCE: (REQUIRED IF SIGNIFICANT)

The subject pumps were ordered prior to implementation of state-of-the-art environmental qualification for all material in the pumps. Individuals involved in the procurement of pumps for the subject application have been informed via memorandum to consider the environment in which the equipment will be required to operate. Similar or identical equipment to that identified in these NCRs and that has been used at other TVA plants is being investigated and will be documented with NCRs accordingly.

18b SCHEDULED DATE OF COMPLETION: 4/30/84

19 INDEPENDENT REVIEW: *[Signature]*

20 LABOR EST. (), ACT. () N/A MN **21** SCHEDULE EST. (), ACT. () N/A DAYS

22 ACTIVITY NO. N/A **23** TASK DESCRIPTION N/A **24** DATE INITIATED N/A

25 REMARKS

NRC letter to H. G. Parris, Manager of Power, from Elinor G. Adensam, Chief Licensing Branch No. 4, dated April 1, 1983 (NEB 830406 615), required a review and evaluation be performed on safety-related mechanical equipment.

Based on radiation levels and environmental conditions, a conservative replacement schedule for paper gaskets would be every 20 years to qualify the subject pumps for a 40-year life.

R2

27 DISTRIBUTION: R. K. White, W10B117 C-K

28

- CONST PROJECT MANAGER
- EN DES PROJECT MANAGER
- CHIEF, ESB
- OFFICE OF QA
- MEDS CIS
- EN DES MANAGER (for significant NCRs)
- NEB (for Significant NCRs)**
- NSRS (for Significant NCRs)

28 ALL EN DES ACTION COMPLETE:

[Signature] 6-11-84

DATE

NEB '84 0612 859

*DISTRIBUTE AFTER THIS SIGNATURE
** HANDCARRY COPY TO NEB-NLS

MEDS ACCESSION NO.

DIVISION OF ENGINEERING DESIGN
NONCONFORMANCE REPORT

MEDS Admission No.

NEB '84 0612 854

1 REPORT NO. WBNNEB8326R2

| | | | |
|--|--|---|--|
| 2 PLANT Watts Bar Nuclear Plant | | 3 UNIT 1 and 2 | |
| 4 PREPARER/ORGANIZATION/DATE R. K. White/NEB/October 24, 1983 (R2 5/21/84) <i>RW GK RW 5/23 5/23 6/9</i> | | | |
| 5a DESCRIPTION OF CONDITION The Pacific/Dresser centrifugal charging pump and safety injection pumps are required to stand a worst case radiation dose of 1.1×10^7 rads, and a worst case maximum temperature of 110°F. An analysis of the materials contained in this equipment reveals that the EPT (ethylene-propylene-terpolymer) seal parts, the phenolic (micarta) worm gears, several nitrile rubber gaskets and seals, and paper gaskets are sensitive to the specified postaccident environment. Therefore, this equipment (Appendix 1) is not qualified to this environment. | | | |
| 5b SYSTEM 62 and 63 | | 5c VENDOR NAME Westinghouse | |
| | | 5d CONTRACT NO. 71C62-54114-1 | |
| 6 DATE OF OCCURRENCE EST (X), ACT. () 8/31/83 | | 9 SIGNIFICANT CONDITION ADVERSE TO QUALITY <i>OK</i> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | |
| 7 METHOD OF DISCOVERY Impell Mech Equip Qual Rpt | | 10 BRANCH REF/DATE <i>John S. ... / 6-11-84</i> | |
| 8 UNID CODE (EN DES-EP 8.01) N/A | | | |
| 11a CORRECTIVE ACTION: The pumps nonmetallic materials EPT (ethylene-propylene-terpolymer) seal parts, the phenolic (micarta) worm gears, nitrile rubber gaskets and seals are acceptable. The pumps paper gaskets have been found acceptable for a radiation life of 36 years (MEB 840515 022). These paper gaskets need not be changed to a different material (as stated in revision 1 of the subject NCR) providing there is a routine maintenance program to have these gaskets replaced on a conservative replacement schedule of every 20 years. TVA letter W-5592 (NEB 840531 106) submitted a notice to be initiated to the maintenance section of the manuals of subject pumps, to require that the paper gaskets will be replaced on a conservative maintenance program of a maximum of every 20 years. Therefore, the pumps will be qualified for a 40 year life. | | | |
| 11b SCHEDULED DATE OF COMPLETION: 5/1/84 | | | |
| 12 CORRECTIVE ACTION DEVIATES FROM A DESIGN CRITERIA REQUIREMENT | | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> | |
| 13 DESIGN CRITERIA DOCUMENT NO. N/A | | EXCEPTION REQUEST NO. N/A | |
| 14 ECN REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ECN NO. | | 15 SCHEDULE IMPACT <input type="checkbox"/> P <input type="checkbox"/> A <input checked="" type="checkbox"/> N | |

R2
R2

WATTS BAR NUCLEAR PLANT
UNITS 1 AND 2
APPENDIX 1

| TVA Component ID No. | MEQ No. | Component Description | Model No. |
|-------------------------|------------|--------------------------|--------------|
| 1A-A | 1296 | CCP | 2 1/2" RL1J |
| 2A-A | 1297 | CCP | 2 1/2" RL1J |
| 1B-B | 1298 | CCP | 2 1/2" RL1J |
| 2B-B | 1299 | CCP | 2 1/2" RL1J |
| 1A-A | 1300 | IP | 3" JHF |
| 2A-A | 1301 | IP | 3" JHF |
| 1B-B | 1302 | IP | 3" JHF |
| 2B-B | 1303 | IP | 3" JHF |

E44139.04