



NOTE
 1. FOR NOTES, SEE SHEET 1 OF 11440-PH-0000.

NUMBER	TITLE
01. 11440-PH-0000	FLOW/TON DIAGRAM/REACTOR SYSTEM
02. 11440-PH-0001	FLOW/TON DIAGRAM/REACTOR COOLANT SYSTEM
03. 11440-PH-0002	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
04. 11440-PH-0003	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
05. 11440-PH-0004	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
06. 11440-PH-0005	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
07. 11440-PH-0006	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
08. 11440-PH-0007	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
09. 11440-PH-0008	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
10. 11440-PH-0009	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
11. 11440-PH-0010	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
12. 11440-PH-0011	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
13. 11440-PH-0012	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
14. 11440-PH-0013	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
15. 11440-PH-0014	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
16. 11440-PH-0015	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
17. 11440-PH-0016	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
18. 11440-PH-0017	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
19. 11440-PH-0018	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
20. 11440-PH-0019	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
21. 11440-PH-0020	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
22. 11440-PH-0021	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
23. 11440-PH-0022	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
24. 11440-PH-0023	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
25. 11440-PH-0024	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
26. 11440-PH-0025	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
27. 11440-PH-0026	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
28. 11440-PH-0027	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
29. 11440-PH-0028	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
30. 11440-PH-0029	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
31. 11440-PH-0030	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
32. 11440-PH-0031	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
33. 11440-PH-0032	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
34. 11440-PH-0033	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
35. 11440-PH-0034	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
36. 11440-PH-0035	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
37. 11440-PH-0036	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
38. 11440-PH-0037	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
39. 11440-PH-0038	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
40. 11440-PH-0039	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
41. 11440-PH-0040	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
42. 11440-PH-0041	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
43. 11440-PH-0042	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
44. 11440-PH-0043	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
45. 11440-PH-0044	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
46. 11440-PH-0045	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
47. 11440-PH-0046	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
48. 11440-PH-0047	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
49. 11440-PH-0048	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
50. 11440-PH-0049	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
51. 11440-PH-0050	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
52. 11440-PH-0051	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
53. 11440-PH-0052	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
54. 11440-PH-0053	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
55. 11440-PH-0054	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
56. 11440-PH-0055	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
57. 11440-PH-0056	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
58. 11440-PH-0057	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
59. 11440-PH-0058	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
60. 11440-PH-0059	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
61. 11440-PH-0060	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
62. 11440-PH-0061	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
63. 11440-PH-0062	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
64. 11440-PH-0063	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
65. 11440-PH-0064	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
66. 11440-PH-0065	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
67. 11440-PH-0066	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
68. 11440-PH-0067	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
69. 11440-PH-0068	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
70. 11440-PH-0069	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
71. 11440-PH-0070	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
72. 11440-PH-0071	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
73. 11440-PH-0072	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
74. 11440-PH-0073	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
75. 11440-PH-0074	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
76. 11440-PH-0075	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
77. 11440-PH-0076	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
78. 11440-PH-0077	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
79. 11440-PH-0078	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
80. 11440-PH-0079	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
81. 11440-PH-0080	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
82. 11440-PH-0081	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
83. 11440-PH-0082	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
84. 11440-PH-0083	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
85. 11440-PH-0084	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
86. 11440-PH-0085	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
87. 11440-PH-0086	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
88. 11440-PH-0087	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
89. 11440-PH-0088	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
90. 11440-PH-0089	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
91. 11440-PH-0090	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
92. 11440-PH-0091	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
93. 11440-PH-0092	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
94. 11440-PH-0093	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
95. 11440-PH-0094	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
96. 11440-PH-0095	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
97. 11440-PH-0096	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
98. 11440-PH-0097	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
99. 11440-PH-0098	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
100. 11440-PH-0099	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM
101. 11440-PH-0100	FLOW/TON DIAGRAM/GENERAL HEAT RECOVERY SYSTEM

REFERENCE DRAWINGS

1. 11440-CM-0001 ISI CLASSIFICATION BOUNDARY DRAWING

2. 11440-CM-0002 ISI INSTRUMENTATION/CONTROL SYSTEM TESTING DRAWING

3. 11440-CM-0003 ISI SYSTEM PRESSURE TESTING DRAWING

BYPRODUCT NOTES

A PORTIONS OF THE REACTOR COOLANT SYSTEM AND THE TUBE SIDE OF THE STEAM GENERATOR ARE PART OF THE RCPD AS DEFINED IN 10CFR50.21 AND HAVE BEEN CLASSIFIED ISI CLASS 1. SEE 10CFR50.21 AND REGULATORY GUIDE 1.26, FOOTNOTE 3 FOR ADDITIONAL INFORMATION.

B FOR THE SHELL SIDE OF THE STEAM GENERATOR, SEE 11440-CM-0004 SHEET 1

C 11440-PH-0000 IS NOT IN THE PRESENT SCOPE OF WORK.

D THE DESIGN BASIS AND DESCRIPTION OF THE REACTOR COOLANT SYSTEM ARE PROVIDED IN USAR SECTIONS 4.1 AND 4.2.1, RESPECTIVELY.

FOR ISI CLASSIFICATION BOUNDARY DRAWING LEGEND AND SYMBOLS, SEE 11440-CM-145.

CONTINUATION DRAWING INDICATES REFER TO PH OR IS DRAWING. THE CORRESPONDING CLASSIFICATION BOUNDARY DRAWING OR ISI CAN BE DETERMINED BY SUBSTITUTING CM OR IS FOR PH.

CAUTION: PORTION OF THIS BYPRODUCT DRAWING IS FOR REFERENCE ONLY. THE BACKGROUND INFORMATION IS NOT CONTROLLED AND MAY NOT REFLECT THE ACTUAL PLANT CONFIGURATION. REFER TO THE LATEST PLANT/ENGINEERING HEADERS DIAGRAM FOR CONTROLLED BACKGROUND INFORMATION.

REVISION DESCRIPTION

1. 11440-CM-0001 ISI CLASSIFICATION BOUNDARY DRAWING

2. 11440-CM-0002 ISI INSTRUMENTATION/CONTROL SYSTEM TESTING DRAWING

3. 11440-CM-0003 ISI SYSTEM PRESSURE TESTING DRAWING

VIRGINIA POWER
 NORTH CAROLINA POWER
 ENGINEERING AND CONSTRUCTION
 RICHMOND, VIRGINIA

ISI CLASSIFICATION BOUNDARY DRAWING
 REACTOR COOLANT SYSTEM, LOOP-A
 SURRY POWER STATION UNIT 1
 VIRGINIA POWER

REV	DATE	BY	CHKD	APP'D	DESCRIPTION
1	12-23-88	JAC	JAC	JAC	INITIAL ISSUE PER REVISION IS OF 11440-PH-0000
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PDR RIDS

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