


05-134-90

Approval <i>[Signature]</i>	<p style="text-align: center;"> <b>Georgia Power</b>           NUCLEAR OPERATIONS          VOGTLE ELECTRIC GENERATING PLANT          UNIT <u>1</u> </p>	Procedure No. 11011-1
Date 4-18-89		Revision No. 7
		Page No. 1 of 14

9302200439 920116  
PDR ADDCK 05000424  
PDR

TITLE: RESIDUAL HEAT REMOVAL SYSTEM ALIGNMENT

LINEUP COMPLETED BY:

FOR INFORMATION ONLY  
READ AND DESTROY

Signature	Initial	Date	Signature	Initial	Date
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: \_\_\_\_\_

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RESOLUTION: \_\_\_\_\_

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REVIEWED BY: \_\_\_\_\_

<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>CONDITION REQUIRED</u>	<u>LINEUP (INITIALS)</u>	<u>VERIFICATION (INITIALS)</u>
<u>PIPING PENETRATION - AUX BLDG LVL A - ROOM R-A09</u>				
1-1205-X4-013	RHR DISCH HX VENT VALVE	CLOSED & CAPPED	_____	_____
1-1205-U4-041	RHR DISCH FROM HX TRAIN A TEST VENT	CLOSED & FLANGED	_____	_____
<u>SEAL WATER HEAT EXCHANGER VALVE GALLERY - AUX BLDG LVL A - R-008</u>				
1-HV-0128	RHR LETDOWN TO CVCS ISOLATION	OPERABLE	_____	_____
<u>PIPING PENETRATION - AUX BLDG LVL A - ROOM R-A13</u>				
1-1205-X4-120	RHR HL INJ XOVER VENT VALVE	CLOSED & CAPPED	_____	_____
1-1205-U4-114	RHR HL INJ XOVER TEST VENT	CLOSED & FLANGED	_____	_____
1-1205-X4-119	RHR HL INJ XOVER DRAIN VALVE	CLOSED & CAPPED	_____	_____
1-1205-X4-162	RHR HX DISCH TRN B DRAIN	CLOSED & CAPPED	_____	_____
1-1205-U4-042	RHR DISCH FROM HX TRAIN B TEST CONN	CLOSED & FLANGED	_____	_____

Procedure No.

VEGF

11011-1

Revision

7

Page No:

3 of 14

<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>CONDITION REQUIRED</u>	<u>LINEUP (INITIALS)</u>	<u>VERIFICATION (INITIALS)</u>
<u>PIPING PENETRATION - AUX BLDG LVL A - ROOM R-A13 (CONT'D)</u>				
1-1205-X4-030	RHR DISCH HX VENT VALVE	CLOSED & CAPPED	_____	_____
1-1205-X4-031	RHR DISCH TRN B DRAIN VALVE	CLOSED & CAPPED	_____	_____
<u>PIPE CHASE ROOM - AUX BLDG LVL A - UC-A11</u>				
1-1205-X4-401	RHR TO CVCS LTDN HX VENT	CLOSED & CAPPED	_____	_____
<u>PIPING PENETRATION ROOM - FUEL HANDLING BLDG LVL C - ROOM R-C</u>				
1-1205-U4-037	RHR TEST VENT FROM CNMT EMERG SUMPS	CLOSED & FLANGED	_____	_____
1-1205-U4-121	RHR BYPASS FROM CNMT EMERG SUMPS	CLOSED	_____	_____
1-1205-U4-035	RHR ENCAP VESSEL 002 TEST CONN	CLOSED & FLANGED	_____	_____
1-1205-U4-125	RHR DRAIN VALVE ENCAP VESSEL 002	CLOSED & CAPPED	_____	_____

Procedure No.

VEGP

11011-1

Revision

7

Page No.

4 of 14

<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>CONDITION REQUIRED</u>	<u>LINEUP (INITIALS)</u>	<u>VERIFICATION (INITIALS)</u>
<u>FUEL HANDLING BLDG LVL C - ROOM R-C07</u>				
1-1205-U4-271	RHR CNMT SUMP TO PASS COOLER RACK TC	CLOSED & FLANGED	_____	_____
1-1205-X4-403	RHR CNMT SUMP TO PASS VENT	CLOSED & CAPPED	_____	_____
<u>PIPING PENETRATION ROOM - AUX BLDG LEVEL C - ROOM R-C105</u>				
1-1205-U4-038	RHR TEST VENT FROM CNMT EMERG SUMPS	CLOSED & FLANGED	_____	_____
1-1205-U4-120	RHR BYPASS FROM CNMT EMERG SUMPS	CLOSED	_____	_____
1-1205-U4-033	RHR ENCAP VESSEL 001 TEST CONN	CLOSED & FLANGED	_____	_____
1-1205-U4-124	RHR DRAIN VALVE ENCAP VESSEL 001	CLOSED & CAPPED	_____	_____
1-1205-U4-270	RHR CNMT SUMP TO PASS COOLER RACK TC	CLOSED & FLANGED	_____	_____
1-1205-X4-404	RHR CNMT SUMP TO PASS COOLER RACK VENT	CLOSED & CAPPED	_____	_____

Procedure No.

VEGP

Revision

11011-1

7

Page No.

3 of 14

<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>CONDITION REQUIRED</u>	<u>LINEUP (INITIALS)</u>	<u>VERIFICATION (INITIALS)</u>
<u>RHR HEAT EXCHANGER ROOM TRAIN A - AUX BLDG LEVEL C - ROOM R-C90</u>				
1-HV-0606	RHR HX OUTLET OPERABLE ISOLATION	OPERABLE	_____	_____
1-FV-0618	RHR HX LOOP RET BYPASS	OPERABLE	_____	_____
1-1205-U4-021	RHR HX A OUTLET XCONN ISO TO CVCS LTDN	CLOSED	_____	_____
1-1205-X4-141	RHR DISCH VENT TO CHARGING PUMPS	CLOSED & CAPPED	_____	_____
1-1205-U4-116	RHR HX TRAIN A OUTLET DRAIN TO WHT	LOCKED CLOSED	_____	_____
1-1205-U4-117	RHR HX TRAIN A OUTLET DRAIN TO WHT	LOCKED CLOSED	_____	_____
1-1205-U4-013	RHR HX TRAIN A OUTLET VENT	CLOSED & FLANGED	_____	_____
1-1205-U4-105	RHR HX TRAIN A OUTLET VENT	CLOSED & FLANGED	_____	_____
1-1205-U4-106	RHR HX TRAIN A OUTLET VENT	CLOSED & FLANGED	_____	_____
1-1205-U4-016	RHR HX TRAIN A MINI FLOW VENT VALVE	CLOSED & FLANGED	_____	_____
1-1205-U4-031	RHR HX TRAIN A SAMPLE ISO FROM MINI FL	OPEN	_____	_____
1-1205-U4-005	RHR HX TRAIN A INLET VENT	CLOSED & FLANGED	_____	_____

Procedure No.

VEGP

Revision

11011-1

Page No.

7

3 of 14

<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>CONDITION REQUIRED</u>	<u>LINEUP (INITIALS)</u>	<u>VERIFICATION (INITIALS)</u>
<u>RHR HEAT EXCHANGER ROOM TRAIN A - AUX BLDG LEVEL C - ROOM R-C90 (CONT'D)</u>				
1-1205-X4-026	RHR DISCH HX DRAIN VALVE	CLOSED & CAPPED	_____	_____
1-1205-U6-019	RHR HEAT EXCH TRAIN A INLET	LOCKED OPEN	_____	_____
1-1205-X4-053	RHR HX TRAIN A INLET PRESS TEST POINT	CLOSED	_____	_____
1-1205-X4-011	RHR HX TRAIN A PRESS TEST POINT	CLOSED	_____	_____
1-1205-U4-029	RHR HX TRAIN A OUTLET DRAIN TO WHT	LOCKED CLOSED	_____	_____
1-1205-X4-139	RHR HEAT EXCH A SAMPLE LINE DRAIN	CLOSED	_____	_____
1-1205-X4-140	RHR HEAT EXCH A SAMPLE LINE DRAIN	CLOSED & CAPPED	_____	_____
<u>RHR HEAT EXCHANGER ROOM TRAIN B - AUX PLDG LEVEL C - ROOM R-C91</u>				
1-HV-0607	RHR HX OUTLET ISOLATION	OPERABLE	_____	_____
1-FV-0619	RHR HX LOOP RET BYPASS	OPERABLE	_____	_____
1-1205-U4-006	RHR HX TRAIN B INLET VENT	CLOSED & FLANGED	_____	_____
1-1205-U6-020	RHR HX TRAIN B INLET ISO	LOCKED OPEN	_____	_____
1-1205-X4-054	RHR HX TRAIN B INLET PRESS TEST POINT	CLOSED	_____	_____

<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>CONDITION REQUIRED</u>	<u>LINEUP (INITIALS)</u>	<u>VERIFICATION (INITIALS)</u>
<u>RHR HEAT EXCHANGER ROOM TRAIN B - AUX BLDG LEVEL C - ROOM R-C91 (CONT'D)</u>				
1-1205-X4-029	RHR DISCH HX PRESS TEST POINT	CLOSED	_____	_____
1-1205-U4-030	RHR HX TRAIN B OUTLET DRAIN TO WHT	LOCKED CLOSED	_____	_____
1-1205-U4-118	RHR HX TRAIN B OUTLET VENT TO WHT	LOCKED CLOSED	_____	_____
1-1205-U4-119	RHR HX TRAIN B OUTLET VENT TO WHT	LOCKED CLOSED	_____	_____
1-1205-U4-014	RHR HX TRAIN B OUTLET VENT	CLOSED & FLANGED	_____	_____
1-1205-U4-107	RHR HX TRAIN B OUTLET VENT	CLOSED & FLANGED	_____	_____
1-1205-U4-108	RHR HX TRAIN B OUTLET VENT	CLOSED & FLANGED	_____	_____
1-1205-U4-032	RHR HX TRAIN B SAMPLE ISO FROM MINI FL	OPEN	_____	_____
1-1205-U4-022	RHR HEAT EXCH B OUT TO CVCS LTDN HX	CLOSED	_____	_____
1-1205-X4-124	RHR DISCH VENT TO CHARGING PUMPS	CLOSED & CAPPED	_____	_____
1-1205-X4-160	RHR HFAT EXCH B SAMPLE LINE DRAIN	CLOSED	_____	_____

Procedure No.

VEGP

Revision

11011-1

Page No.

7

8 of 14

<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>CONDITION REQUIRED</u>	<u>LINEUP (INITIALS)</u>	<u>VERIFICATION (INITIALS)</u>
<u>RHR HEAT EXCHANGER ROOM TRAIN B - AUX BLDG LEVEL C - ROOM R-C91 (CONT'D)</u>				
1-1205-X4-161	RHR HEAT EXCH B SAMPLE LINE DRAIN	CLOSED & CAPPED	_____	_____
1-1205-U4-023	RHR HX TRAIN B MINI FLOW VENT VALVE	CLOSED & FLANGED	_____	_____
<u>RHR HX ROOM TRAIN B - AUX BLDG LEVEL C - ROOM R-C91</u>				
1-1205-U4-054	RHR PMP TRAIN B ISO TO FLOOR DRAIN	LOCKED CLOSED	_____	_____
<u>RHR PUMP ROOM TRAIN A - AUX BLDG LEVEL D - ROOM R-D48</u>				
1-1205-X4-196	RHR VENT TO TRN A PMP	CLOSED & CAPPED	_____	_____
1-1205-U4-007	RHR PUMP TRAIN A SUCT FLUSH CONN	CLOSED & FLANGED	_____	_____
1-1205-U4-011	RHR PUMP A SUCT DRAIN TO FLOOR	LOCKED CLOSED	_____	_____
1-1205-U4-003	RHR PMP TRN A SUCT TO FLOOR DRAIN	LOCKED CLOSED	_____	_____
1-1205-X4-012	RHR PMP TRAIN A ISO TO PRESS IND	OPEN	_____	_____
1-1205-X4-043	RHR PMP TRAIN A PRESSURE POINT	CLOSED	_____	_____
1-1205-U4-235	RHR PMP TRAIN A SEAL WATER VENT	CLOSED & CAPPED	_____	_____



<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>CONDITION REQUIRED</u>	<u>LINEUP (INITIALS)</u>	<u>VERIFICATION (INITIALS)</u>
RHR PUMP ROOM TRAIN A - AUX BLDG LEVEL D - ROOM R-D48 (CONT'D)				
1-1205-X4-045	RHR PMP TRAIN A ISO TO DISCH PRESS IND	OPEN	_____	_____
1-1205-U4-C17	RHR PMP TRAIN A TO LOCAL SAMPLE	LOCKED CLOSED & CAPPED	_____	_____
1-1205-U4-053	RHR PMP TRAIN A ISO TO FLOOR DRAIN	LOCKED CLOSED	_____	_____
1-1205-X4-047	RHR PMP TRAIN A LOW SIDE ISO TO FIS-0610	OPEN	_____	_____
1-1205-X4-048	RHR PMP TRAIN A HI SIDE ISO TO FIS-0610	OPEN	_____	_____
1-1205-X4-024	RHR DISCH HIGH SIDE ISO TO FT-0618	OPEN	_____	_____
1-1205-X4-025	RHR DISCH LOW SIDE ISO TO FT-0618	OPEN	_____	_____
1-1205-U6-027	RHR TEST RECIRC TO RWST	LOCKED CLOSED	_____	_____
1-1205-U4-226	RHR TEST RECIRC TO RWST	LOCKED CLOSED	_____	_____

Procedure No. VEGP	11011-1	Revision	7	Page No.	10 of 14
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<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>CONDITION REQUIRED</u>	<u>LINEUP (INITIALS)</u>	<u>VERIFICATION (INITIALS)</u>
<u>RHR PUMP ROOM TRAIN B - AUX BLDG LEVEL D - ROOM R-D49</u>				
1-1205-X4-400	RHR FLUSHING CONN VENT	CLOSED & CAPPED	_____	_____
1-1205-U4-008	RHR PMP TRAIN B SUCT FLUSH CONN	CLOSED & FLANGED	_____	_____
1-1205-U4-012	RHR FLOOR DRAIN FROM RWST	LOCKED CLOSED	_____	_____
1-1205-U4-004	RHR PMP TRN B SUCT TO FLOOR DRAIN	LOCKED CLOSED	_____	_____
1-1205-X4-110	RHR PMP TRAIN B ISO TO IN PRESS IND	OPEN	_____	_____
1-1205-X4-111	RHR PMP TRAIN B ISO TO PRESS TEST POINT	CLOSED	_____	_____
1-1205-U4-236	RHR PMP TRAIN B SEAL WATER VENT	CLOSED & CAPPED	_____	_____
1-1205-X4-049	RHR PMP TRAIN B ISO TO DISCH PRESS IND	OPEN	_____	_____
1-1205-U4-018	RHR PMP TRAIN B TO LOCAL SAMPLE	LOCKED CLOSED & CAPPED	_____	_____
1-1205-X4-051	RHR HX TRAIN B LOW SIDE ISO TO FIS-0611	OPEN	_____	_____
1-1205-X4-052	RHR HX TRAIN B HI SIDE ISO TO FIS-0611	OPEN	_____	_____

Procedure No.

VEGP

Revision

11011-1

7

Page No.

11 of 14

<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>CONDITION REQUIRED</u>	<u>LINEUP (INITIALS)</u>	<u>VERIFICATION (INITIALS)</u>
<u>RHR PUMP ROOM TRAIN B - AUX BLDG LEVEL D - ROOM R-D49 (CONT'D)</u>				
1-1205-X4-004	RHR HL INJ DRAIN VALVE	CLOSED & CAPPED	_____	_____
1-1205-X4-039	RHR DISCH HIGH SIDE ISO TO FT-0619	OPEN	_____	_____
1-1205-X4-040	RHR DISCH LOW SIDE ISO TO FT-0619	OPEN	_____	_____
<u>PIPE CHASE ROOM - AUX BLDG LEVEL D - ROOM R-D111</u>				
1-1205-X4-028	RHR DISCH HX DRAIN VALVE	CLOSED & CAPPED	_____	_____
1-1205-X4-402	RHR TO CVCS LTDN HX DRAIN	CLOSED & CAPPED	_____	_____
<u>PIPE CHASE ROOM - CONTROL BLDG LEVEL 2 - ROOM UC201</u>				
1-1205-X4-058	RHR HEAT EXCH A TO NSSL LINE VENT	CLOSED	_____	_____
1-1205-X4-057	RHR HEAT EXCH A TO NSSL LINE VENT	CLOSED & CAPPED	_____	_____
1-1205-X4-056	RHR HEAT EXCH B TO NSSL LINE VENT	CLOSED	_____	_____
1-1205-X4-055	RHR HEAT EXCH B TO NSSL LINE VENT	CLOSED & CAPPED	_____	_____

<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>CONDITION REQUIRED</u>	<u>LINEUP (INITIALS)</u>	<u>VERIFICATION (INITIALS)</u>
<u>CONTROL BUILDING LEVEL A</u>				
<u>4160V AC SWGR 1AA02 R-A48</u>				
1AA02-09	RSDL HEAT REMOVAL PUMP MOTOR 1-1205-P6-001-M01	RACKED IN	_____	_____
	CHARGING MOTOR POWER SWITCH ON AND CLOSING SPRINGS CHARGED	ON/CHARGED	_____	_____
<u>4160V AC SWGR 1BA03 R-A50</u>				
1BA03-10	RSDL HEAT REMOVAL PUMP MOTOR 1 1205-P6-002-M01	RACKED IN	_____	_____
	CHARGING MCTOR POWER SWITCH ON AND CLOSING SPRINGS CHARGED	ON/CHARGED	_____	_____
<u>AUXILIARY BUILDING LEVEL C</u>				
<u>480V AC MCC 1ABD</u>				
1ABD-09	RHR PUMP P6-001 INLET 1HV-8812A	CLOSED	_____	_____
1ABD-20	RHR NO. 1 COLD LEG ISO 1HV-8716A	CLOSED	_____	_____
1ABD-29	CONTAINMENT SUMP ISO 1HV-8311A	CLOSED	_____	_____
1ABD-38	RHR PUMP 1 MINIFLOW 1FV-0610	CLOSED	_____	_____

Procedure No.

VEGP

11011-1

Revision

7

Page No.

13 of 14

COMPONENTDESCRIPTIONCONDITION  
REQUIREDLINEUP  
(INITIALS)VERIFICATION  
(INITIALS)AUXILIARY BUILDING LEVEL B480V AC MCC 1BBD

1BBD-09 RHR PUMP P6-002 INL ISO 1HV-8812B

CLOSED

1BBD-20 RHR NO 2 COLD LEG ISO 1HV-8716B

CLOSED

1BBD-29 CONTAINMENT SUMP ISO 1HV-8811B

CLOSED

1BBD-38 RHR PUMP 2 MINIFLOW 1FV-0611

CLOSED

AUXILIARY BUILDING LEVEL 1480V AC MCC 1ABB

1ABB-05 RHR HEXCH TRN A TO CHG PMP 1HV-8804A

CLOSED

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1ABB-14 RHR TRN A TO SIS COLD LEG ISO  
1HV-8809A

CLOSED

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\* OPEN WHEN THE RHR SYSTEM IS IN SERVICE FOR RCS COOLING

<u>COMPONENT</u>	<u>DESCRIPTION</u>	<u>CONDITION REQUIRED</u>	<u>LINEUP (INITIALS)</u>	<u>VERIFICATION (INITIALS)</u>
<u>480V AC MCC 1BBB</u>				
1BBB-05	RHR HEAT EXCH TRN P TO INJECT PMP 1HV-8804B	CLOSED	* _____	_____
1BBB-14	RHR TRN B TO SIS COLD LEG ISO 1HV-8890B	CLOSED	* _____	_____
1BBB-24	RHR HOT LEG INJECT CROSSOVER 1HV-8840	CLOSED	_____	_____

END OF PROCEDURE TEXT

\* OPEN WHEN THE RHR SYSTEM IS IN SERVICE FOR RCS COOLING