JOB PERFORMANCE MEASURE

UNIT: 2 **REV #:** 0 **DATE:**_____

SYSTEM/DUTY AREA: Chemical and Volume Control System

TASK: Perform Emergency Boration (using BAMT gravity feed).

JTA#: 20045060601

KA VALUE **RO**: 3.9 **SRO**: 3.7 **KA REFERENCE**: 004 A4.07

APPROVED FOR ADMINISTRATION TO: **RO**: X **SRO**: X

TASK LOCATION: INSIDE CR: X **OUTSIDE CR**: _____ **BOTH**: _____

SUGGESTED TESTING ENVIRONMENT AND METHOD (PERFORM OR SIMULATE):

PLANT SITE: _____ **SIMULATOR**: Perform **LAB**: _____

POSITION EVALUATED: **RO**: _____ **SRO**: _____

ACTUAL TESTING ENVIRONMENT: SIMULATOR: _____ **PLANT SITE**: _____ **LAB**: _____

TESTING METHOD: SIMULATE: _____ **PERFORM**: _____

APPROXIMATE COMPLETION TIME IN MINUTES: 5 minutes

REFERENCE(S): AOP 2203.032 Rev 007-00-0

EXAMINEE'S NAME: _____ **SSN**: ____-____-____

EVALUATOR'S NAME: _____

THE EXAMINEE'S PERFORMANCE WAS EVALUATED AGAINST THE STANDARDS CONTAINED IN THIS JPM AND IS DETERMINED TO BE:

SATISFACTORY: _____ **UNSATISFACTORY**: _____

PERFORMANCE CHECKLIST COMMENTS:

_____

_____

_____ **Start Time** _____ **Stop Time** _____ **Total Time**

SIGNED_____ **DATE:** _____

SIGNATURE INDICATES THIS JPM HAS BEEN COMPARED TO ITS APPLICABLE PROCEDURE BY A QUALIFIED INDIVIDUAL (NOT THE EXAMINEE) AND IS CURRENT WITH THAT REVISION.

JOB PERFORMANCE MEASURE

THE EXAMINER SHALL REVIEW THE FOLLOWING WITH THE EXAMINEE:

The examiner shall review the "Briefing Checklist - System Walkthrough" portion of OP 1064.023 Attachment 6 with the examinee.

JPM INITIAL TASK CONDITIONS: Mode 3. A Shutdown Margin is calculated following a reactor trip.

Shutdown margin is found to be less than required.

TASK STANDARD: Greater than or equal to 40 gallons per minute of boric acid solution being injected into

the RCS using BAMT Gravity Feed.

TASK PERFORMANCE AIDS: AOP 2203.032 Steps 2 through 6.

JOB PERFORMANCE MEASURE

INITIATING CUE:

The SS/CRS directs, "Initiate Emergency Boration using BAMT gravity feed to Charging Pump suction beginning with AOP 2203.032, Step 2."

CRITICAL ELEMENTS (C): 2, 3 , 5

PERFORMANCE CHECKLIST			STANDARD	(Circle One)
	1.	Verify at least one charging Pump (CCP) running. POSITIVE CUE: Red light(s) ON. Flow is greater than 40 gpm.	On panel 2C09, verified CCP(s) running. Observed red light ON; green light OFF above at least one of the following handswitch(es): 2HS-4832-1, "A" CCP 2HS-4852-1, "C" CCP (red) 2HS-4853-2, "C" CCP (green) 2HS-4842-2, "B" CCP Observed flow greater than 40 gpm on Charging Header Flow (2FIS-4863).	N/A SAT UNSAT
(C)	2.	Align boric acid supply to CCP suction by opening at least one Boric Acid Makeup (BAM) Tank Gravity Feed Valve(s) to CCP suction: • 2CV-4920-1 • 2CV-4921-1 POSITIVE CUE: Red light(s) ON. NEGATIVE CUE: Green light(s) ON.	On panel 2C09, opened 2CV-4920-1 **and/or** 2CV-4921-1 Observed red light ON and green light OFF above handswitch(es): • 2HS-4920-1 for 2CV-4920-1 • 2HS-4921-1 for 2CV-4921-1	N/A SAT UNSAT
(C)	3.	Close Volume Control Tank (VCT) Outlet valve (2CV-4873-1). POSITIVE CUE: Green light ON. NEGATIVE CUE: Red light ON.	On panel 2C09, closed 2CV-4873-1. Observed green light ON; red light OFF above VCT Outlet valve handswitch (2HS-4873-1).	N/A SAT UNSAT

JOB PERFORMANCE MEASURE

PERFORMANCE CHECKLIST			STANDARD	(Circle One)
	4.	Check Reactor Makeup Water Flow Control valve (2CV-4927) closed. POSITIVE CUE: Green light ON. NEGATIVE CUE: Red light ON.	On panel 2C09, verified 2CV-4927 closed. Observed green light ON; red light OFF above Reactor Makeup Water Flow Controller (2FIC-4927).	N/A SAT UNSAT
(C)	5.	Check charging header flow indicator (2FIS-4863). POSITIVE CUE: Flow is: 44 gpm (1 CCP) 88 gpm (2 CCP) 132 gpm (3 CCP)	On panel 2C09 (upright portion), observed flow greater than 40 gpm on 2FIS-4863.	N/A SAT UNSAT
END				

JOB PERFORMANCE MEASURE

QUESTION:

ANSWER:

JOB PERFORMANCE MEASURE

EXAMINEE'S COPY

JPM INITIAL TASK CONDITIONS:

Mode 3. A Shutdown Margin is calculated following a reactor trip.

Shutdown margin is found to be less than required.

INITIATING QUE:

The SS/CRS directs, "Initiate Emergency Boration using BAMT gravity feed to Charging Pump suction beginning with AOP 2203.032, Step 2."