

V.C. SUMMER NUCLEAR STATION

NRC JOB PERFORMANCE MEASURE

JPPF-113

FILL THE CST USING THE FIRE SERVICE SYSTEM

Revision No. 1

Faulted JPM

A/18

FILL THE CST USING THE FIRE SERVICE SYSTEM

TRAINEE _____ EVALUATOR _____

EVALUATOR SIGNATURE _____ DATE _____

EVALUATION METHOD: SIMULATE
EVALUATION LOCATION: PLANT

ESTIMATED TIME: 10.0 MINUTES TIME STARTED: _____

10CFR55.45(a)6 PERFORM CONTROL MANIPULATIONS REQUIRED TO
OBTAIN DESIRED OPERATING RESULTS DURING
NORMAL, ABNORMAL, AND EMERGENCY SITUATIONS

TIME CRITICAL: No FAULTED JPM: Yes

TRAINEE PERFORMANCE: SATISFACTORY _____ UNSATISFACTORY _____
? ↑ where is fault?

READ TO OPERATOR:

WHEN I TELL YOU TO BEGIN, YOU ARE TO PERFORM THE OPERATIONS AS DIRECTED IN THE
INITIATING CUES. I WILL DESCRIBE GENERAL CONDITIONS UNDER WHICH THIS TASK
IS TO BE PERFORMED AND PROVIDE THE NECESSARY TOOLS WITH WHICH TO PERFORM THIS
TASK. BEFORE STARTING, I WILL EXPLAIN THE INITIAL CONDITIONS, WHICH STEPS
TO SIMULATE OR DISCUSS, AND PROVIDE INITIATING CUES.
WHEN YOU COMPLETE THE TASK SUCCESSFULLY, THE OBJECTIVE FOR THIS
JOB PERFORMANCE MEASURE WILL BE SATISFIED.

INITIAL CONDITIONS:

1. The Plant has experienced on ESF Bus Blackout with the CRS implementing EOP-6.0. CST level is < 5 ft and must be locally filled.
2. Demineralized Water Tank level is 20 feet.

TOOLS AND EQUIPMENT NEEDED:

1. EOP-6.0 ATT. 3
2. SOP-509, PAGE 15 & 16

REFERENCED DOCUMENTS:

REV DATE

- | | | | |
|----|---------|--------------------------|----------|
| 1. | EOP*6.0 | LOSS OF ALL ESF AC POWER | 06/30/97 |
| 2. | SOP*509 | FIRE SUPPRESSION SYSTEM | 09/03/97 |

FILL THE CST USING THE FIRE SERVICE SYSTEM

TASK STANDARDS:

1. CST water level is increasing by transferring water from the Fire Service System per EOP-6.0. Att. 3.

INITIATING CUES:

1. CRS directs filling CST per EOP-6.0 Attachment 3

TERMINATING CUES:

1. Flow has been established to CST via Fire Service System per EOP-6.0, Att. 3 or when examinee returns EOP-6.0, Att. 3 to examiner

SAFETY CONSIDERATIONS:

NONE

JOB PERFORMANCE MEASURE CHECKLIST

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(S) DENOTES SEQUENCED ELEMENT
(*) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST:

SAT. UNSAT.

NOTE 1: Evaluator need only determine that student can locate a 2-1/2" fire hose. Actual laying of the hose is not required. Do "NOT" break seal on Hose House.

STEP

STANDARD

S*1. Connects 2-1/2" Fire hose between XVT-06020A-FS (outside Alt. Fire PP Bldg.) and XVA10304-AS. (BH-436)

Shows location of fire hose house containing hose, and wrench, and shows location of FS test header ISOL VLV XVT-6020A-FS, and FS to CST ISOL VALVE XVA-10304-AS.

COMMENTS: _____

STEP

STANDARD

*2. Opens XVA-10304-AS (BH-436)

Simulates opening XVA-10304-AS, FS to CST ISOL VALVE, by operating handwheel counter clockwise

COMMENTS: _____

STEP

STANDARD

*3. Open XVT06020A-FS (outside alt. Fire pp house)

Simulates opening ALT FIRE PPS TEST HDR ISOL VLV XVT-6020A-FS by operating handwheel counter clockwise

COMMENTS: _____

NOTE 4: When examinee identifies the need for SOP-509 to start the Alt. Diesel Pump, provide examinee with copy of procedure to save time. Cue that all initial conditions have been met.

JOB PERFORMANCE MEASURE CHECKLIST

PAGE 3

(S) DENOTES SEQUENCED ELEMENT
(*) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST:

SAT. UNSAT.

JOB PERFORMANCE MEASURE CHECKLIST

PAGE 4

(S) DENOTES SEQUENCED ELEMENT
(*) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST:

SAT. UNSAT.

STEP

STANDARD

4. Inspects batteries for leaks/corrosion.

Batteries verified in good condition.

STEP

STANDARD

S*5. Select battery for Alt. Diesel Pump.

Places either battery switch (1 or 2) to ON at local panel.

COMMENTS: _____

STEP

STANDARD

S*6. Select Alt. Diesel Pump start circuit on AUTO/MAN switch.

Selects MAN 1 or MAN 2 (to correspond to battery bank selected in previous step) on local panel.

COMMENTS: _____

NOTE 7: Cue operator that adequate flow is visible

STEP

STANDARD

7 Verifies engine cooling water flow

Cooling water flow observed to yard drain.

NOTE 8: Cue examinee that engine cranked for 30 seconds and did not start.

JOB PERFORMANCE MEASURE CHECKLIST

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(S) DENOTES SEQUENCED ELEMENT
(*) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST:

SAT. UNSAT.

STEP

STANDARD

S 8. Starts the alternate diesel fire pump at XPN-7315-FS

Depresses pushbutton on local control panel for MAN CRANK 1 or MAN CRANK 2 (previously selected)

STEP

STANDARD

9. Close XVA10304-AS, FS to CST ISOL VLV (BH-436)

Simulates closing XVA-10304-AS, FS to CST ISOL VLV, by operating handwheel clockwise

NOTE 10: Cue examinee that it is only necessary to show location of hoses & valve connection points. NOTE: Do "NOT" break seal on Hose House.

STEP

STANDARD

S*10. Connects 2 1/2" fire hose between XFX0001M, Fire Hydrant for FHHH#2, and XVA-10304-AS (BH-436)

Shows location of Fire Hose house containing hose, wrench, and shows location of FS to CST Isol VLV XVA-10304-AS and XFX0001M, Fire Hydrant for FHHH#2

COMMENTS: _____

STEP

STANDARD

*11. Open XVA10304-AS FS TO CST ISOL VLV (BH-436)

Simulates opening XVA-10304-AS by operating handwheel counter clockwise

COMMENTS: _____

JOB PERFORMANCE MEASURE CHECKLIST

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(S) DENOTES SEQUENCED ELEMENT
(*) DENOTES CRITICAL ELEMENT

PERFORMANCE CHECKLIST:

SAT. UNSAT.

STEP

STANDARD

*12. Open XFX0001M, Fire Hydrant
for FHHH#2

Simulates opening XFX0001M by operating
handwheel counter clockwise

COMMENTS: _____

Examiner Stops JPM At This Point

TIME STOPPED. _____

GENERAL COMMENTS:

NRC KA REFERENCES:

<u>KA NUMBER</u>		<u>IMPORTANCE</u>	<u>FACTOR</u>
086000.A4.01	Ability to manually operate and monitor fire water pumps.	$\frac{RO}{3.3}$	$\frac{SRO}{3.3}$