EMERGENCY PLAN CLASSIFICATION

K/A REFERENCE: 2.4.40 (2.3/4.3)
(NUREG-1122) 2.4.41 (2.3/4.0)

ALTERNATE PATH JPM _____ YES __X__ NO

PERFORMANCE CHECKLIST:

SATISFACTORY - Properly performed critical step(s) and/or in sequence (if applicable)

UNSATISFACTORY - Improperly performed critical step(s) and/or out of sequence (if applicable)

__X__ **Procedure adequately addresses task elements.**
Enter identifier here: **EPIP 1.2, "Emergency Classification", Rev. 33**

_____ **Other document adequately describes necessary task elements.**
Enter identifier here: _____

__X__ **Task elements described as attached.**

DESIRED MODE OF EVALUATION: **APPLICABLE EVALUATION SETTING:**

SIMULATE/WALKTHROUGH __X__ **DISCUSSION** ____ **PERFORM** __X__ **IN-PLANT** ____ **CONTROL ROOM** __X__

VALIDATED TIME FOR COMPLETION: __10__ **MINUTES**

EXAMINEE _____ **EVALUATOR** _____

START TIME _____ **FINISH TIME** _____

PERFORMANCE ☐ **SAT** ☐ **UNSAT**

JOB TITLE: ☐ **AOT** ☐ **COT** ☒ **SRO** ☐ **STA**

TOOLS/EQUIPMENT/REFERENCES:

EPIP 1.2, "Emergency Classification", Rev. 33

TASK STANDARDS:

Complete emergency plan classification of event in progress.

SIMULATOR INFORMATION:

NONE

NOTE: ***Only this page needs to be retained in examinee's record if completed satisfactorily. If unsatisfactory performance is demonstrated, the entire JPM should be retained.***

READ AND PROVIDE TO THE EXAMINEE

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THIS SECTION IS READ ONCE FOR THE ENTIRE PACKAGE OF JPMS. IT IS NOT REQUIRED TO REVIEW THIS SECTION FOR EVERY JPM BEING PERFORMED IN THE PACKAGE. THE INITIAL CONDITIONS AND INITIATING CUE(S)/TASKS TO BE PERFORMED SHOULD BE READ AND THEN PROVIDED TO THE EXAMINEE.

After I read you the initial conditions and initiating cue(s)/task to be performed for this JPM and provide you a copy of the same, you may review and begin. Once you have completed the task, indicate completion by handing back this form to the evaluator unless otherwise told.

You may use any approved reference materials normally available including logs. Make all written reports, oral reports, and log entries as if the evolution is actually being performed.

EOP Immediate Actions are required to be performed from memory. After completing immediate action steps without using the procedure, you may then use any approved reference materials.

For all two and three-way communications, make your report to me, the JPM evaluator. I will reply to your reports with the statement, "acknowledge." All actions in the plant are to be simulated and all actions in the simulator will be performed. Ensure you make it clear to me, the evaluator, of all actions you are taking so that credit may be given for completing each step of the task.

DURING THE JPM, ENSURE PROPER SAFETY PRECAUTIONS, FME, AND/OR RADIOLOGICAL CONCERNS AS APPLICABLE ARE FOLLOWED.

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INITIAL CONDITIONS:

- Unit 2 experienced a complete loss of feedwater flow while at 100% reactor power.
- The DOS ordered a reactor trip and entered into EOP-0, "Reactor Trip or Safety Injection", however, actions were unsuccessful so a transition to CSP-S.1, "Response to Nuclear Power Generation/ATWS" was required.
- Crew actions in CSP-S.1 were successful in bringing reactor power <5%, however, high RCS pressure caused both PORVs to lift and one to stick open. Attempts to isolate the stuck open PORV via associated block valve were unsuccessful.
- Both trains of ESF equipment functioning normally, RCS temperature is 420°F and slowly lowering and RCS subcooling margin is 30°F.
- After completion of CSP-S.1 and return to EOP-0, the crew DSS declares an ALERT based on a failure of the reactor protection system to initiate and complete a reactor trip which brings the reactor subcritical (2.1.1.2).

INITIATING CUE(S) / TASK TO BE PERFORMED (SIMULATED):

- Based solely on the initial conditions given above and using the guidance of EPIP 1.2, you are to complete the following action:

  1. Re-verify the initial classification made by the DSS and reclassify, if necessary, in accordance with EPIP 1.2

PERFORMANCE INFORMATION

NOTE: CRITICAL STEPS ARE DENOTED WITH A "Y". FAILURE TO MEET THE STANDARDS FOR THIS ITEM CONSTITUTES FAILURE.

START TIME **STEP/SEQUENCE/CRITICAL** **SAT** _____
1 1 Y **UNSAT** _____

ELEMENT: Determine the category of the event using column 1 of Attachment A based on initial conditions given was the same as that determined by the DSS.

STANDARD: Examinee researches initial conditions and references Attachment A of EPIP 1.2 and determines that the DSS was not correct in his assessment and initial notification. Examinee must recognize that a SITE AREA EMERGENCY should have been declared based on 2.1.1.3. He might also recognize that an ALERT based on 1.1.1.2 was applicable, but was not the highest required category.

CUE: Upon completion of this step; the STA reports to the DOS that containment H_2 concentration is 5% and slowly rising and all three containment high range monitors are indicating 2000 R/hr. Based on this additional information, how would you reclassify the event in accordance with EPIP 1.2, if at all?

COMMENTS:

STEP/SEQUENCE/CRITICAL **SAT** _____
2 2 Y **UNSAT** _____

ELEMENT: Using EPIP 1.2, Attachment A and C, and initial conditions given, reclassify the event.

STANDARD: Examinee must recognize a GENERAL EMERGENCY now exists based on 1.1.1.4 (Loss threshold on RCS, stuck PORV is > 50 gpm and > 400 gpm. Loss of threshold on containment with H_2 concentration >4%. The 3rd barrier; fuel, is challenged due to high containment rad monitors reading > 1000 r/hr.

CUE: Once examinee has given answers to both questions, inform him that the JPM is complete.

COMMENTS:

TERMINATION CUE: THIS COMPLETES THIS JPM. **COMPLETION TIME:** _____