

Clarifications During The Administration of the Kewaunee 2011 Initial License
Written Exam on 2/15/2011.
(Pen and Ink Changes)

Question 51:

Added a clarification to the second condition in the question stem to state that the turbine is latched.

The clarification was added based on a question from a student.

Original Question

51. Given the following:

- The unit is at 8% NI power, performing a startup after a refueling outage.
- Preparations to begin rolling the Main Turbine are in progress.
- The Balance Of Plant operator identifies that P-486, Turbine Impulse Pressure Instrument, is reading off scale high.
- Shortly after the failure of P-486, RXCP A Trips.
- Annunciator 47012-J, RCS Loop A Flow Low, is LIT.

What is the expected Plant AND Operator Response?

<u>Plant Response</u>	<u>Operator Response</u>
A. Permissive P-7 will not cause a reactor to trip	The operators will manually trip the reactor
B. Permissive P-8 will cause a reactor trip	The operators will perform the immediate actions for a reactor trip
C. Permissive P-10 will not cause a reactor trip	The operators will perform a normal reactor shutdown
D. Permissive P-13 will cause a reactor trip	The operators will manually trip the turbine

Question with clarification

51. Given the following:

- The unit is at 8% NI power, performing a startup after a refueling outage.
- The Turbine is latched and preparations to begin rolling the Main Turbine are in progress.
- The Balance Of Plant operator identifies that P-486, Turbine Impulse Pressure Instrument, is reading off scale high.
- Shortly after the failure of P-486, RXCP A Trips.
- Annunciator 47012-J, RCS Loop A Flow Low, is LIT.

What is the expected Plant AND Operator Response?

<u>Plant Response</u>	<u>Operator Response</u>
A. Permissive P-7 will not cause a reactor to trip	The operators will manually trip the reactor
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C. Permissive P-10 will not cause a reactor trip	The operators will perform a normal reactor shutdown
D. Permissive P-13 will cause a reactor trip	The operators will manually trip the turbine

Question 66

A typographical error in the stem of the question, the noun name for MS-312A-1 referred to MSR B1 and B2, should have been MSR A1 and A2. Correct the error.

Original Question 66

66. Given the following:

- The unit was operating at 100% Rated Thermal Power when the reactor tripped.
- The crew has completed the required steps of E-0, "Reactor Trip or Safety Injection" and transitioned to ES-0.1, "Reactor Trip Response
- Main Steam Isolation Valves are OPEN
- The Balance of Plant Operator reports:
 - MS-312A-1, Gland Seal Steam to MSR B1 & B2 Relief Vlvs is OPEN
 - MS-312B-1, Gland Seal Steam to MSR B1 & B2 Relief Vlvs is CLOSED

What actions will be required to mitigate this?

- A. Condenser steam dump valves will be used for controlling RCS temperature to 350°F.
- B. 'A' Train Condenser Steam Dump valves are still available for RCS temperature control.
- C. Main Steam Isolation Valves will be closed to reduce the excessive cooldown of RCS temperature.
- D. Steam Generator PORVs or Atmospheric Steam Dump valves will be used to control RCS temperature.

Question 66 with typo corrected:

66. Given the following:

- The unit was operating at 100% Rated Thermal Power when the reactor tripped.
- The crew has completed the required steps of E-0, "Reactor Trip or Safety Injection" and transitioned to ES-0.1, "Reactor Trip Response"
- Main Steam Isolation Valves are OPEN
- The Balance of Plant Operator reports:
 - MS-312A-1, Gland Seal Steam to MSR A1 & A2 Relief Vlvs is OPEN
 - MS-312B-1, Gland Seal Steam to MSR B1 & B2 Relief Vlvs is CLOSED

What actions will be required to mitigate this?

- A. Condenser steam dump valves will be used for controlling RCS temperature to 350°F.
- B. 'A' Train Condenser Steam Dump valves are still available for RCS temperature control.
- C. Main Steam Isolation Valves will be closed to reduce the excessive cooldown of RCS temperature.
- D. Steam Generator PORVs or Atmospheric Steam Dump valves will be used to control RCS temperature.