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GPU 563

NAME:
Time Started:
Time Stopped:

NABCOCK & WILCOX
NUCLEAR TRAINING CENTER
LYNCHBURG, VIRGINIA

PLANT OPERATIONS EXAM

Instructions:

1. Answer the questions in the space provided.
2. If extra space is needed, please answer on the back of the paper. Be sure to number the question that is being continued on the back.

Prepared For: Metropolitan Edison Co.

Date: November 3, 1974

8307070518 741103
PDR ADOCK 05000289
V HOL

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1. A. Explain T_{12} , T_{14} , and T_{16} from hot shutdown to full power.

B. Explain the reason that T_{16} is ramped from 532 F. to 579 F. using Q_{LH2} , and discuss what maintains header pressure from 0 to 15% power.

2. Some of the alarm conditions present during a startup are listed below. Give the condition causing the alarm and the reason the condition is present.

A. Feedwater B tripped -

B. SG Low Level Limited -

C. Pressurizer Level -

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- 2 -

3. The reactor should be designed to permit a band when T_{avg} is being stopped to allow the reactor to cool down. What would cause T_{avg} to be too high?

4. List all reactor trips and their setpoints.

5. How many code safety valves are necessary for the reactor to be critical?

How many are required when the reactor is shutdown and open to the atmosphere?

6. What is the purpose of the pressurizer?

What happens during an increasing pressure transient?

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What happens during a decreasing pressure transient?

7. List the basic steps necessary to bring the plant from Hot Shutdown to 100% power.

8. What is the response of the ICS during a reactor coolant pump. Be sure and explain what happens to feedwater flow.

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9. What are the immediate actions on a reactor trip?

10. What will put the ICS in track?

What causes I-Limits in the ICS?

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THESE

INSTRUCTIONS

1. What suggestions for adjustment/improvement of the course for other operators, what comments (constructive and destructive) would be appreciated.

2. What did you think of the course in general?
Instructions, procedures, methods of instruction, etc.

3. What specific changes do you suggest?

4. With respect to the simulator, what suggestions do you have for improvement?

Name

Date

The Research & Wilson Company
Houston, Texas

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SIMULATOR TRAINING

EVALUATION

In an effort to adjust/improve the course for other operators, your comments (constructive and destructive) would be appreciated.

1. What did you think of the course in general?
(Instructions, procedures, methods of instruction, etc.)

The entire course was an interesting experience. The next action being the simulator instruction. The experience acquired here is unusual in operating plants due to the catastrophes one would cause but still these catastrophes can be done by the simulator with no harm only wasted knowledge.

2. What specific changes do you suggest?
A more in-depth simulator training for me personally would be helpful. An example would be to learn oil or pump operation from complete off condition.

3. With respect to the simulator, what suggestion do you have for improvement?

The simulator is definitely an advancement in nuclear testing. Max Tene

Name

NTBenson

Date

11/1/64

The Anheuser & Wilcox Company

Nuclear Training Center

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SIMULATOR TRAINING
EVALUATION

In an effort to adjust/improve the course for other operators, your comments (constructive and destructive) would be appreciated.

1. What did you think of the course in general?
(Instructions, procedures, methods of instruction, etc.)

I FOUND THE COURSE TO BE VERY HELPFUL. I WAS ABLE TO GAIN A BETTER UNDERSTANDING OF THE PLANT. I WAS ABLE TO GAIN A BETTER UNDERSTANDING OF THE PLANT. I WAS ABLE TO GAIN A BETTER UNDERSTANDING OF THE PLANT.

2. What specific changes do you suggest?

NONE

3. With respect to the simulator, what suggestion do you have for improvement?

IN ORDER TO BETTER UNDERSTAND THE OPERATION I FOUND THAT I RELIED EXCESSIVELY ON THE LFR AND FLOW DIAGRAM. A WALK-AROUND SCHEMATIC FLOW DIAGRAM WOULD BE A HELP. CONTROL PANEL WOULD BE A HELP.

Name JOHN ROMANSKI
Date 8 NOV 1974

The Babcock & Wilcox Company
Columbia, Missouri

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SIMULATOR TRAINING
EVALUATION

In an effort to adjust/improve the course for other operators, your comments (constructive and destructive) would be appreciated.

1. What did you think of the course in general?
(Instructions, procedures, methods of instruction, etc.)

2. What specific changes do you suggest?

3. With respect to the simulator, what suggestion do you have for improvement?

Name

Date

The Network & Wilson Company
Houston Training Center

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SIMULATOR TRAINING
EVALUATION

In an effort to adjust/improve the course for other operators, your comments (constructive and destructive) would be appreciated.

1. What did you think of the course in general?
(Instructions, procedures, methods of instruction, etc.)

The course was excellent. Instructions, procedures, methods of instruction were excellent. I only wish we had more time!

2. What specific changes do you suggest?

More Time!

3. With respect to the simulator, what suggestion do you have for improvement?

More Time!

Name

Joseph A. P. Lido

Date

11/1/74

The Babcock & Wilcox Company

Pulaski Training Center

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SIMULATOR TRAINING

EVALUATION

In an effort to adjust/improve the course for other operators, your comments (constructive and destructive) would be appreciated.

1. What did you think of the course in general? (Instructions, procedures, methods of instruction, etc.)

2. What specific changes do you suggest?

3. With respect to the simulator, what suggestion do you have for improvement?

and W. J. Wilson

Date 1/8/74

The Babcock & Wilcox Company
Nuclear Training Center

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