



Entergy Operations Inc.
River Bend Station
5485 U.S. Highway 61N
St. Francisville, LA 70775

November 27, 2019

John Kirkland, Chief Examiner
U.S. Nuclear Regulatory Commission, Region IV
1600 East Lamar Blvd
Arlington, TX 76011-4511

SUBJECT: NRC INITIAL EXAMINATION

Dear Mr. Kirkland,

Enclosed is the Post exam comments and analysis for the examination that was administered November 26, 2019. This class consists of 6 RO candidates, 6 SRO Instant candidates, and 1 SRO Upgrade candidate.

The following NUREG 1021 Form is enclosed with the supporting documentation:

ES-403-1, Written Examination Grading Quality Checklist

Please contact Gabe or Gary at (225) 378-3549 if you have any questions or need any further materials.

Sincerely,

A handwritten signature in blue ink, appearing to read "John Umphlett", with a long horizontal line extending to the right.

John Umphlett
Superintendent, Operations Training
River Bend Nuclear Station

RB-2019-11, Written Exam Analysis

There class consisted of 13 students (7 SROs).

Question 10, 7/13 missed (54%)

RBS has reviewed the question and believes it to be valid and has only one correct answer. This K/A was presented during the training program.

High missed question due to students' attention to detail and level of knowledge. Students were weak on RCIC suction valve interlocks (when the CST valve starts to stroke open, Supp pool suction valve not full open vs fully closed).

Question 16, 2/13 missed (15%)

RBS has reviewed the question and believes it to be valid and has two correct answers (B & D). This K/A was presented during the training program.

This question was missed due to students understanding of operation of MOV powered by E22-S004, Div 3 4160KV Bus. When E22-MOVF004, HPCS Injection Valve is closed the motor to operate the valve is energized causing load currents on the bus to increase due to additional electrical loading.

Based on additional electrical loading to operate the E22-MOVF004, RBS believes B & D should both be acceptable correct answers.

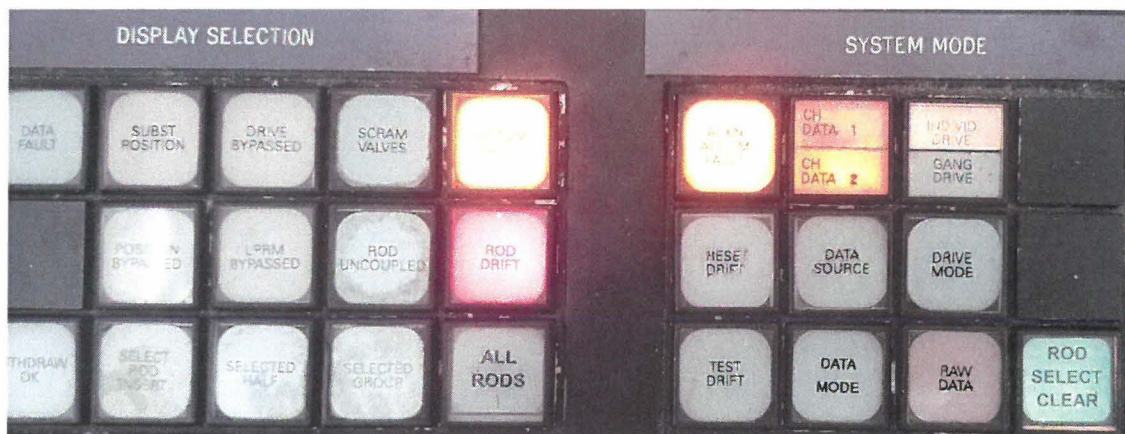
Question 43, 11/13 missed (85%)

RBS has reviewed the question and believes it to be valid and has two correct answers. This K/A was presented during the training program.

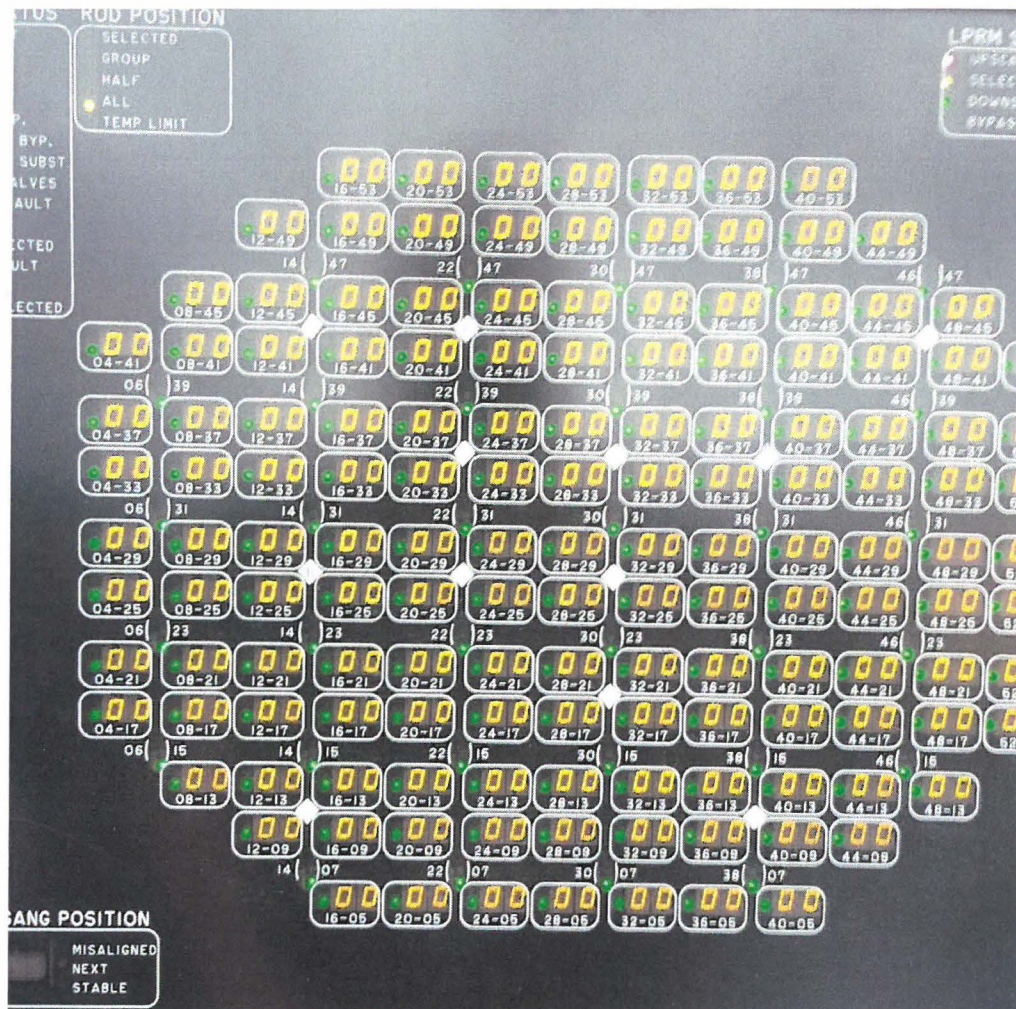
High missed question due to students trained to use both methods to verify all rods are fully inserted.

During simulator training, the students were taught to use both methods (RAW DATA selected and deselected). When raw data is selected the position will indicate - - . When raw data is deselected, and all rods is depressed 00 will be indicated on the full core display. See photos for illustration. The students were trained to use both methods to verify all control rods are fully inserted.

Based on the training provided and simulator performance answers A and D should be correct answers.



Photos: RAW DATA Deselected, Full Core Display indicates 00 for each rod.



Question 44, 8/13 missed (61%)

RBS has reviewed the question and believes it to be valid and has only one correct answer. This K/A was presented during the training program.

High missed question due to students' attention to detail and level of knowledge. Students were weak on parameters directly monitored from RSS-PNL102.

Question 83, 6/7 missed (86%)

RBS has reviewed the question and believes it to be valid and has only one correct answer. This K/A was presented during the training program.

High missed question due to students' attention to detail and level of knowledge. Students were weak on EBOP operating requirements. Students confused oil pump starting pressures.

Question 94, 4/7 missed (57%)

RBS has reviewed the question and believes it to be valid and has only one correct answer. This K/A was presented during the training program.

High missed question due to students' attention to detail and level of knowledge. Students were weak on EN-OP-115, Conduct of Operations, shift personnel responsibilities.