Facility: PRAIRIE ISLAND Date of Examination: AUGUST 2014
Examination Level: RO Operating Test Number: PI-ILT-NRC-14

| Administrative Topic (see Note) | Type Code* | Describe activity to be performed |
|---|---|---|
| Conduct of Operations | D, R | DETERMINE BLENDED FLOW CONCENTRATION<br>2.1.25 (3.9/4.2)<br>This is a bank JPM where the examinee determines the boric acid flow setting for the Boric Acid Flow Control Valve. |
| Conduct of Operations | M, R | VERIFY CORRECT PROCEDURE<br>2.1.21 (3.5*/3.6*)<br>Original JPM has operator verify correct revision of SP 1313. The modified JPM will have the operator verify the correct revision of a procedure other than SP 1313. |
| Equipment Control | N, R | REVIEW CLEARANCE ORDER<br>2.2.13 (4.1/4.3)<br>This JPM will be different than previous versions of reviewing a clearance order by isolating a different system and inputting different mistakes for the operator to discover. |
| Radiation Control | D, R | REMOVE RADIATION MONITOR FROM SERVICE<br>2.3.5 (2.9/2.9)<br>This is a bank JPM where the examinee removes 1R-11, Containment Air Particulate Radiation Monitor, from service. |
| Emergency Procedures/Plan | | NONE |

NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when all 5 are required.

* Type Codes & Criteria:
(C)ontrol room, (S)imulator, or Class(R)oom
(D)irect from bank (≤ 3 for ROs; ≤ 4 for SROs & RO retakes)
(N)ew or (M)odified from bank (≥ 1)
(P)revious 2 exams (≤ 1; randomly selected)

Facility: PRAIRIE ISLAND Date of Examination: AUGUST 2014
Examination Level: SRO Operating Test Number: PI-ILT-NRC-14

| Administrative Topic (see Note) | Type Code* | Describe activity to be performed |
|---|---|---|
| Conduct of Operations | D, R | ASSESS SHIFT STAFFING LEVELS<br>2.1.5 (2.9*/3.9)<br>This is a bank JPM where the examinee must determine if the U1 SS can be released due to an emergency. |
| Conduct of Operations | D, R | PERFORM PRA CALCULATION USING EOOS SOFTWARE<br>2.1.19 (3.9/3.8)<br>This is a bank JPM where the examinee must use the plant computer to determine PRA status of Unit 1 and Unit 2. |
| Equipment Control | D, R | AUTHORIZE INSTALLATION OF A BYPASS<br>2.2.11 (2.3/3.3)<br>This is a bank JPM where the examinee approves the use of a bypass using a plant administrative work instruction. |
| Radiation Control | D, R | AUTHORIZE EMERGENCY RADIATION EXPOSURE<br>2.3.4 (3.2/3.7)<br>This is a bank JPM where the examinee determines if an individual can receive an emergency exposure or not. |
| Emergency Procedures/Plan | N, R | VALIDATE IMMINENT AIRBORNE THREAT<br>2.4.28 (3.2/4.1)<br>This is a new JPM to perform SRO actions of AB-8, Response to Security Threat. |

NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when all 5 are required.

* Type Codes & Criteria:
(C)ontrol room, (S)imulator, or Class(R)oom
(D)irect from bank (≤ 3 for ROs; ≤ 4 for SROs & RO retakes)
(N)ew or (M)odified from bank (≥ 1)
(P)revious 2 exams (≤ 1; randomly selected)

Facility: PRAIRIE ISLAND Date of Examination: AUGUST 2014
Exam Level: RO Operating Test No.: PI-ILT-NRC-14

Control Room Systems@ (8 for RO); (7 for SRO-I); (2 or 3 for SRO-U, including 1 ESF)

| System / JPM Title | Type Code* | Safety Function |
|---|---|---|
| a. CRDS / UNCONTROLLED ROD INSERTION | A, M, S | 1 |
| b. ESFAS / CONTAINMENT ISOLATION FAILURE | L, D, S, EN | 2 |
| c. ECCS / RAISE 11 SI ACCUMULATOR LEVEL | D, EN, S | 3 |
| d. SWS / LOSS OF COOLING WATER HEADER PRESSURE | A, N, S | 4S |
| e. RCS / PRT HI TEMP AND HI LEVEL | A, M, S | 5 |
| f. EDG / SYNCHRONIZE D1 ON BUS 15 | D, EN, S | 6 |
| g. NIS / PR DAILY CALIBRATION – SP 1005 | N, S | 7 |
| h. IAS / INSTRUMENT AIR SYSTEM HIGH PRESSURE | A, N, S | 8 |
| In-Plant Systems@ (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U) | | |
| i. CRDS / LOCALLY TRIP THE REACTOR AND TURBINE | A, D, E, L, P | 1 |
| j. PZR LCS / RAISE PZR LEVEL USING LOCAL CONTROLS | D, E, L, R | 2 |
| k. FP / INITIATE CARDOX | D, E | 8 |

@ All RO and SRO-I control room (and in-plant) systems must be different and serve different safety functions; all 5 SRO-U systems must serve different safety functions; in-plant systems and functions may overlap those tested in the control room.

| * Type Codes | Criteria for RO / SRO-I / SRO-U |
|---|---|
| (A)lternate path | 4-6 / 4-6 / 2-3 |
| (C)ontrol room | |
| (D)irect from bank | ≤ 9 / ≤ 8 / ≤ 4 |
| (E)mergency or abnormal in-plant | ≥ 1 / ≥ 1 / ≥ 1 |
| (EN)gineered safety feature | - / - / ≥1 (control room system) |
| (L)ow-Power / Shutdown | ≥ 1 / ≥ 1 / ≥ 1 |
| (N)ew or (M)odified from bank including 1(A) | ≥ 2 / ≥ 2 / ≥ 1 |
| (P)revious 2 exams | ≤ 3 / ≤ 3 / ≤ 2 (randomly selected) |
| (R)CA | ≥ 1 / ≥ 1 / ≥ 1 |
| (S)imulator | |

Facility: PRAIRIE ISLAND Date of Examination: AUGUST 2014
Exam Level: SRO-I Operating Test No.: PI-ILT-NRC-14

Control Room Systems@ (8 for RO); (7 for SRO-I); (2 or 3 for SRO-U, including 1 ESF)

| System / JPM Title | Type Code* | Safety Function |
|---|---|---|
| a. CRDS / UNCONTROLLED ROD INSERTION | A, M, S | 1 |
| b. ESFAS / CONTAINMENT ISOLATION FAILURE | L, D, S, EN | 2 |
| c. ECCS / RAISE 11 SI ACCUMULATOR LEVEL | D, EN, S | 3 |
| d. SWS / LOSS OF COOLING WATER HEADER PRESSURE | A, N, S | 4S |
| e. RCS / PRT HI TEMP AND HI LEVEL | A, M, S | 5 |
| f. EDG / SYNCHRONIZE D1 ON BUS 15 | D, EN, S | 6 |
| g. NONE | | |
| h. IAS / SWAP IA COMPRESSORS WITH HIGH AIR PRESS | A, N, S | 8 |
| In-Plant Systems@ (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U) | | |
| i. CRDS / LOCALLY TRIP THE REACTOR AND TURBINE | A, D, E, L, P | 1 |
| j. PZR LCS / RAISE PZR LEVEL USING LOCAL CONTROLS | D, E, L, R | 2 |
| k. FP / INITIATE CARDOX | D, E | 8 |

@ All RO and SRO-I control room (and in-plant) systems must be different and serve different safety functions; all 5 SRO-U systems must serve different safety functions; in-plant systems and functions may overlap those tested in the control room.

| * Type Codes | Criteria for RO / SRO-I / SRO-U |
|---|---|
| (A)lternate path | 4-6 / 4-6 / 2-3 |
| (C)ontrol room | |
| (D)irect from bank | ≤ 9 / ≤ 8 / ≤ 4 |
| (E)mergency or abnormal in-plant | ≥ 1 / ≥ 1 / ≥ 1 |
| (EN)gineered safety feature | - / - / ≥1 (control room system) |
| (L)ow-Power / Shutdown | ≥ 1 / ≥ 1 / ≥ 1 |
| (N)ew or (M)odified from bank including 1(A) | ≥ 2 / ≥ 2 / ≥ 1 |
| (P)revious 2 exams | ≤ 3 / ≤ 3 / ≤ 2 (randomly selected) |
| (R)CA | ≥ 1 / ≥ 1 / ≥ 1 |
| (S)imulator | |

Facility: PRAIRIE ISLAND Date of Examination: AUGUST 2014
Exam Level: SRO-U Operating Test No.: PI-ILT-NRC-14

Control Room Systems[@] (8 for RO); (7 for SRO-I); (2 or 3 for SRO-U, including 1 ESF)

| System / JPM Title | Type Code* | Safety Function |
|---|---|---|
| a. NONE | | |
| b. NONE | | |
| c. ECCS / RAISE 11 SI ACCUMULATOR LEVEL | D, EN, S | 3 |
| d. SWS / LOSS OF COOLING WATER HEADER PRESSURE | A, N, S | 4S |
| e. NONE | | |
| f. NONE | | |
| g. NONE | | |
| h. IAS / SWAP IA COMPRESSORS WITH HIGH AIR PRESS | A, N, S | 8 |
| In-Plant Systems[@] (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U) | | |
| i. CRDS / LOCALLY TRIP THE REACTOR AND TURBINE | A, D, E, L, P | 1 |
| j. PZR LCS / RAISE PZR LEVEL USING LOCAL CONTROLS | D, E, L, R | 2 |
| k. NONE | | |

@ All RO and SRO-I control room (and in-plant) systems must be different and serve different safety functions; all 5 SRO-U systems must serve different safety functions; in-plant systems and functions may overlap those tested in the control room.

| * Type Codes | Criteria for RO / SRO-I / SRO-U |
|---|---|
| (A)lternate path | 4-6 / 4-6 / 2-3 |
| (C)ontrol room | |
| (D)irect from bank | ≤ 9 / ≤ 8 / ≤ 4 |
| (E)mergency or abnormal in-plant | ≥ 1 / ≥ 1 / ≥ 1 |
| (EN)gineered safety feature | - / - / ≥1 (control room system) |
| (L)ow-Power / Shutdown | ≥ 1 / ≥ 1 / ≥ 1 |
| (N)ew or (M)odified from bank including 1(A) | ≥ 2 / ≥ 2 / ≥ 1 |
| (P)revious 2 exams | ≤ 3 / ≤ 3 / ≤ 2 (randomly selected) |
| (R)CA | ≥ 1 / ≥ 1 / ≥ 1 |
| (S)imulator | |