

| Facility: <u>PRAIRIE ISLAND</u>   |               | Date of Examination: <u>AUGUST 2014</u>     |
|---|---------------|---|
| Examination Level: <u>RO</u>  |               | Operating Test Number: <u>PI-ILT-NRC-14</u> |
| Administrative Topic<br>(see Note)  | Type<br>Code* | Describe activity to be performed           |
| Conduct of Operations   | D, R          | DETERMINE BLENDED FLOW                      |
| Conduct of Operations   | M, R          | VERIFY CORRECT PROCEDURE                    |
| Equipment Control   | N, R          | CLEARANCE ORDER APPROVAL                    |
| Radiation Control   | D, R          | REMOVE 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:<br>(C)ontrol room, (S)imulator, or Class(R)oom<br>(D)irect from bank ( $\leq 3$ for ROs; $\leq 4$ for SROs & RO retakes)<br>(N)ew or (M)odified from bank ( $\geq 1$ )<br>(P)revious 2 exams ( $\leq 1$ ; randomly selected) |               |   |

| Facility: <u>PRAIRIE ISLAND</u>  |            | Date of Examination: <u>AUGUST 2014</u>        |
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| Examination Level: <u>SRO</u>  |            | Operating Test Number: <u>PI-ILT-NRC-14</u>    |
| Administrative Topic<br>(see Note)   | Type Code* | Describe activity to be performed              |
| Conduct of Operations  | D, R       | ASSESS SHIFT STAFFING LEVELS                   |
| Conduct of Operations  | M, R       | VERIFY CORRECT PROCEDURE                       |
| Equipment Control  | N, R       | CLEARANCE ORDER APPROVAL                       |
| Radiation Control  | D, R       | AUTHORIZE EMERGENCY RADIATION EXPOSURE         |
| Emergency Procedures/Plan  | D, R       | EMERGENCY NOTIFICATION DURING A SECURITY EVENT |
| <p>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.</p>   |            |  |
| <p>* Type Codes &amp; Criteria:</p> <ul style="list-style-type: none"> <li>(C)ontrol room, (S)imulator, or Class(R)oom</li> <li>(D)irect from bank (≤ 3 for ROs; ≤ 4 for SROs &amp; RO retakes)</li> <li>(N)ew or (M)odified from bank (≥ 1)</li> <li>(P)revious 2 exams (≤ 1; randomly selected)</li> </ul> |            |  |

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| Facility: <u>PRAIRIE ISLAND</u><br>Exam Level: <u>RO</u>   | Date of Examination: <u>AUGUST 2014</u><br>Operating Test No.: <u>PI-ILT-NRC-14</u> |                 |
| Control Room Systems <sup>@</sup> (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 <sup>@</sup> (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)  |   |                 |
| i. PZR LCS / RAISE PZR LEVEL USING LOCAL CONTROLS  | D, E, L, R  | 2               |
| j. SWS / LOCALLY START/STOP 12 DDCLWP  | A, D  | 4S              |
| k. FP / INITIATE CARDOX  | D   | 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  |   |                 |

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| Exam Level: <u>SRO-I</u>   | Operating Test No.: <u>PI-ILT-NRC-14</u> |                 |
| Control Room Systems <sup>@</sup> (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 PRESSURE   | 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 <sup>@</sup> (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)  |  |                 |
| i. PZR LCS / RAISE PZR LEVEL USING LOCAL CONTROLS  | D, E, L, R                               | 2               |
| j. SWS / LOCALLY START/STOP 12 DDCLWP  | A, D                                     | 4S              |
| k. FP / INITIATE CARDOX  | D  | 8               |
| <p><sup>@</sup> 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.</p> |  |                 |
| * 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  |  |                 |

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|--|--|-----------------|
| Exam Level: <u>SRO-U</u>   | Operating Test No.: <u>PI-ILT-NRC-14</u> |                 |
| Control Room Systems <sup>@</sup> (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. NONE  |  |                 |
| d. NONE  |  |                 |
| e. NONE  |  |                 |
| f. NONE  |  |                 |
| g. NONE  |  |                 |
| h. IAS / SWAP IA COMPRESSORS WITH HIGH AIR PRESS   | A, N, S                                  | 8               |
| In-Plant Systems <sup>@</sup> (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)  |  |                 |
| i. PZR LCS / RAISE PZR LEVEL USING LOCAL CONTROLS  | D, E, L, R                               | 2               |
| j. SWS / LOCALLY START/STOP 12 DDCLWP  | A, D                                     | 4S              |
| k. NONE  |  |                 |
| <p><b>@</b> 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.</p> |  |                 |
| * 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  |  |                 |