# VARIOUS CHECKLISTS

# FOR THE PRAIRIE ISLAND INITIAL EXAMINATION - SEP 2003

Examination Preparation Checklist

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ES-201

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| Facility:                                                 | Prairie Island Date of Examination                                                                                                                                                                                                             | n: 9/8-19/203                      |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Examinati                                                 | ons Developed by: Facility / NRC (circle one)                                                                                                                                                                                                  |                                    |
| Target<br>Date*                                           | Task Description / Reference                                                                                                                                                                                                                   | Chief<br>Examiner's                |
| -180                                                      | 1. Examination administration date confirmed (C.1.a; C.2.a & b)                                                                                                                                                                                | R                                  |
| -120                                                      | 2. NRC examiners and facility contact assigned (C.1.d; C.2.e)                                                                                                                                                                                  | GQ                                 |
| -120                                                      | 3. Facility contact briefed on security & other requirements (C.2.c)                                                                                                                                                                           | GR A                               |
| -120                                                      | 4. Corporate notification letter sent (C.2.d)                                                                                                                                                                                                  | Ś                                  |
| [-90]                                                     | [5. Reference material due (C.1.e; C.3.c)]                                                                                                                                                                                                     | 6                                  |
| -75                                                       | 6. Integrated examination outline(s) due (C, 1, e & f; C.3, d)                                                                                                                                                                                 | G                                  |
| -70                                                       | 7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)                                                                                                                                            | GR                                 |
| -45                                                       | 8. Proposed examinations, supporting documentation, and reference materials due (C.1.e, f, g & h, C.3.d)                                                                                                                                       | 4P                                 |
| -30                                                       | 9. Preliminary license applications due (C.1.1; C 2.g; ES-202)                                                                                                                                                                                 | 4                                  |
| -14                                                       | 10. Final license applications due and assignment sheet prepared (C.1.I; C.2.g; ES-202)                                                                                                                                                        | 68                                 |
| -14                                                       | 11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)                                                                                                                                                         | 40                                 |
| -14                                                       | 12. Examinations reviewed with facility licensee (C.1.j; C.2.f & h; C.3.g)                                                                                                                                                                     | R                                  |
| -7                                                        | 13. Written examinations and operating tests approved by NRC supervisor (C.2.r; C.3.h)                                                                                                                                                         | 4                                  |
| 4                                                         | 14. Final applications reviewed; assignment sheet updated; waiver<br>letters sent (C.2.g, ES-204)                                                                                                                                              | 50                                 |
| -7                                                        | 15. Proctoring/written exam administration guidelines reviewed with facility licensee and authorization granted to give written exams (if applicable) (C.3.k)                                                                                  | 49                                 |
| -7                                                        | 16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)                                                                                                                                           | P                                  |
| <ul> <li>Tar</li> <li>The with</li> <li>[] App</li> </ul> | get dates are keyed to the examination date identified in the corporate notil<br>ay are for planning purposes and may be adjusted on a case-by-case basis<br>in the facility licensee.<br>In the facility to examinations prepared by the NRC. | ication letter.<br>in coordination |

# Examination Outline Quality Checklist

Form ES-201-2

| Facili                                    | Facility: Prairie Island Date of Examination: 09/08/2003 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                              |  |  |  |  |
|-------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--|--|--|--|
| Item                                      |                                                          | Task Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Initials                                     |  |  |  |  |
| 1.                                        | a.                                                       | Verify that the outline(s) fit(s) the appropriate model per ES-401.                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pu for if                                    |  |  |  |  |
| W<br>R<br>J                               | b.                                                       | Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 and whether all K/A categories are appropriately sampled.                                                                                                                                                                                                                                                                                                                                              | he to B                                      |  |  |  |  |
| T<br>T                                    | c.                                                       | Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.                                                                                                                                                                                                                                                                                                                                                                                                                              | Pu tody                                      |  |  |  |  |
| E<br>N                                    | d.                                                       | Assess whether the justifications for deselected or rejected K/A statements are appropriate.                                                                                                                                                                                                                                                                                                                                                                                                                        | for the 4                                    |  |  |  |  |
| ~                                         | a.                                                       | Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, and major transients.                                                                                                                                                                                                                                                                                                                                                | Per Hot of                                   |  |  |  |  |
| 2.<br>S<br>I<br>M                         | b.                                                       | Assess whether there are enough scenario sets (and spares) to test the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity; ensure each applicant can be tested using at least one new or significantly modified scenario, that no scenarios are duplicated from the applicants' audit test(s)*, and scenarios will not be repeated on subsequent days.                                                               | As ADI 8                                     |  |  |  |  |
|                                           | c.                                                       | To the extent possible, assess whether the outline(s) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.                                                                                                                                                                                                                                                                                                                                             | Per Doty                                     |  |  |  |  |
|                                           | a.                                                       | <ul> <li>Verify that:</li> <li>(1) the outline(s) contain(s) the required number of control room and in-plant tasks,</li> <li>(2) no more than 30% of the test material is repeated from the last NRC examination,</li> <li>(3)* no tasks are duplicated from the applicants' audit test(s), and</li> <li>(4) no more than 80% of any operating test is taken directly from the licensee's exam banks.</li> </ul>                                                                                                   | Re ADZ 5                                     |  |  |  |  |
| 3.<br>W<br>/<br>T                         | b.                                                       | <ul> <li>Verify that:</li> <li>(1) the tasks are distributed among the safety function groupings as specified in ES-301,</li> <li>(2) one task is conducted in a low-power or shutdown condition,</li> <li>(3) 4-6 (2-3 for SRO-U) of the tasks require the applicant to implement an alternate path procedure,</li> <li>(4) one in-plant task tests the applicant's response to an emergency or abnormal condition, and</li> <li>(5) the in-plant walk-through requires the applicant to enter the RCA.</li> </ul> | Au Ast 5                                     |  |  |  |  |
|                                           | c.                                                       | Verify that the required administrative topics are covered.                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Au Hoff 48                                   |  |  |  |  |
|                                           | d.                                                       | Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.                                                                                                                                                                                                                                                                                                                                                     | the \$55 g                                   |  |  |  |  |
| 4.                                        | а.                                                       | Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.                                                                                                                                                                                                                                                                                                                                                                                              | the ASIA                                     |  |  |  |  |
| G                                         | b.                                                       | Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.                                                                                                                                                                                                                                                                                                                                                                                                                                               | Par ADI G                                    |  |  |  |  |
| N                                         | c.                                                       | Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.                                                                                                                                                                                                                                                                                                                                                                                                                         | Pier ASI 48                                  |  |  |  |  |
| R                                         | d.                                                       | Check for duplication and overlap among exam sections.                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Per ANIA                                     |  |  |  |  |
| AL                                        | e.                                                       | Check the entire exam for balance of coverage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PE-ASJA                                      |  |  |  |  |
|                                           | f.                                                       | Assess whether the exam fits the appropriate job level (RO or SRO).                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Parto IB                                     |  |  |  |  |
| a. Au<br>b. Fa<br>c. NF<br>d. NF<br>Note: | thor<br>cility<br>RC C<br>RC S                           | Printed Name / Signature<br><u>PAUL COPER Paul Cop</u><br>Reviewer (*) <u>James J Lash</u><br>thief Examiner (*) <u>Charles Phillips</u> <u>Veryle</u> <u>Hullin</u><br>supervisor <u>Roy J Carbon</u><br>Not applicable for NRC-developed examinations                                                                                                                                                                                                                                                             | Date<br>9/3/03<br>9/3/03<br>9/4/03<br>9/4/03 |  |  |  |  |
|                                           | #                                                        | Independent NRC reviewer initial items in Column "c", chief examiner concurrence required.                                                                                                                                                                                                                                                                                                                                                                                                                          |                                              |  |  |  |  |

# Enclosure 4

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Forms ES-201-3 "Examination Security Agreement"

September 24, 2003

4 Pages Follow

1717 Wakonade Drive East • Welch, Minnesota 55089-9642 Telephone: 651.388.1121

|         |                                | Page 1 of 3 |
|---------|--------------------------------|-------------|
| PRAIRIE | ISLAND TRAINING CENTER         | PITC 218 Q  |
| TITLE:  | EXAMINATION SECURITY AGREEMENT | Revision 0  |
|         |                                | Page 1 of 1 |

#### 1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing requalification examination scheduled for the week(s) indicated in this agreement as of the date of my signature. I agree that I will not knowingly divulge any information about this examination to any unauthorized persons. An unauthorized person is any individual who has not been approved by the NRC chief examiner to receive specialized knowledge of the examination. I understand that I am not to participate in any instruction, tutoring, or examination involving those operators scheduled to be administered this licensing/requalification examination from this date until completion of examination administration. Furthermore, I am aware of the physical security measures and requirements (as documented in procedure PITC 3.10 "NRC Exam Security"). I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

#### 2. Post-Examination

| Examination Period                                                                                                                                       | March 28, 200                                                                           | 3                                                            | to                                                                                                          | Supt. 22, 2003                                                                              |                                                              |                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Printed Name                                                                                                                                             | Pre-Examination<br>Certification (1)                                                    |                                                              |                                                                                                             | Post-Examination<br>Certification (2)                                                       |                                                              |                                                                                           |
| PAUL COOPER<br>Roisert KGULESPIE<br>Karen Coulsu<br>Mark Looshrak<br>Dennishestphal<br>Jeff Gehlhar<br>Sutt Whitson<br>Mike Gare Deiwste<br>John Kenekes | Paul Coop<br>for the Stillingie<br>Mark a Borryk<br>Grieffhan<br>Scott Whiten<br>Martin | Date<br>Date<br>Date<br>Date<br>Date<br>Date<br>Date<br>Date | 3/24/03<br>+-1.03<br>+-253<br>5/2/03<br>5/19/03<br>6/2/03<br>6/2/03<br>6/2/03<br>6/2/03<br>6/2/03<br>6/2/03 | Paul Coop<br>Robert K. Hullinin<br>Malel. To Front<br>Malel. To Front<br>Other Scott Whitem | Date<br>Date<br>Date<br>Date<br>Date<br>Date<br>Date<br>Date | 9/18/03<br>9-20-03<br>9-22-07<br>9/21/03<br>9/18/03<br>9/18/03<br>9/18/03<br>9/20/03      |
| Jeff Hawkenson<br>Gene DAMMANN<br>Todd Strain<br>TIM LOSINSKI<br>Kevin Rhaly<br>WARNER ANDREWS                                                           | Josed Strain<br>Am Josusta<br>Com Chortas<br>Com Chortas<br>Com Chortas                 | Date<br>Date<br>Date<br>Date<br>Date<br>Date                 | 6/27/03<br>6/27/03<br>6/27/03<br>6/27/03<br>6/29/03<br>7/13/03                                              | Jour S. Alther V                                                                            | Date<br>Date<br>Date<br>Date<br>Date<br>Date                 | <u>912,103</u><br><u>9120</u> -03<br><u>9-20-</u> 03<br><u>9-21</u> -03<br><u>9121/03</u> |

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#### 2. Post-Examination

| Examination Period              | March 28, 20                         | 003 to                                     | Sept. 22, 200                         | 2            | · .             |
|---------------------------------|--------------------------------------|--------------------------------------------|---------------------------------------|--------------|-----------------|
| Printed Name                    | Pre-Examination<br>Certification (1) |                                            | Post-Examination<br>Certification (2) |              |                 |
| KEVIN BACI                      | HAR                                  | Date 7/13/03                               | 1the                                  | Date         | <u> 1/21/03</u> |
| Left Basetonin                  | 8 mm                                 | Date 7-13-03<br>Date 7/2.62                | Dell Porton                           | Date<br>Date | 9-20.03         |
| Mark JenKin                     | Theful.                              | Date 7-13-03                               | Mapen                                 | Date         | 9-21-03         |
| Mark J Jones<br>Dale M. Vincent | Cather mit                           | Date $\frac{8-7-03}{8/7/03}$               | Olt the Ini                           | bate         | 9/22/03         |
| Monte Strain                    | Mithan 10                            |                                            | Tustuan M                             | Date         | 9-20-03         |
| MILICH MARTWOVICH               | - hope the                           | Date 5/3/03                                | minto                                 | Date         | 9-18-03         |
| Mark Haven<br>Stougin Flanders  | The Hand                             | Date <u>8-14-03</u><br>Date <u>8-15-03</u> | Milan Jandi                           | Date<br>Date | 9-21-03         |
| TIMOTHY J. MCDONANS             | Monut                                | Date $\frac{g}{19}/03$                     | Dam                                   | Date         | 9/19/03         |
| James D Lash                    | James Jul                            | Date 9-2-03                                | James Vol                             | Date         | 4/18/03         |
| Dallocas A Sumit                | Dougles a Small                      | Date 9-3-03                                | Donkas                                | Date         | 9/21/03         |

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#### 2. Post-Examination

| Examination Period                                                                                             | March 28, 2003                                                                                            | <b>3</b> to                                                                                                                                                                                                                                                                                                                  | Sept. 22, 2003                        | 3                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Printed Name                                                                                                   | Pre-Examination<br>Certification (1)                                                                      |                                                                                                                                                                                                                                                                                                                              | Post-Examination<br>Certification (2) |                                                                                                                                        |
| Jongthin<br>M. John Johnson<br>Gerry Gore<br>Mark Born<br>Michard Van R. Betts<br>WO MARKHAM<br>Mike Halverson | MR lins<br>MR<br>NOBER<br>MOBER<br>MOBER<br>MOBER<br>MIL<br>MIL<br>MIL<br>MIL<br>MIL<br>MIL<br>MIL<br>MIL | Date $9803$<br>Date $91903$<br>Date $91003$<br>Date $91003$<br>Date $91003$<br>Date $91003$<br>Date $91003$                                                                                                                                                                                                                  | Month<br>Maler Maler<br>Maha Halan    | Date $9_{-2607}$<br>Date $9_{1803}$<br>Date $9_{2063}$<br>Date $9_{-8603}$<br>Date $9_{-8603}$<br>Date $9_{-8603}$<br>Date $9_{-8603}$ |
|                                                                                                                |                                                                                                           | Date         Date |                                       | Date<br>Date<br>Date<br>Date<br>Date<br>Date<br>Date<br>Date<br>Date                                                                   |

Exam Security Agreement additional information:

1.5

-Dennis Westphal has mailed the facility a letter stating post-examination certification

-Tim Losinski is off-site and we are unable to contact him.

We will send post-examination certifications to the Chief Examiner as soon as they arrive.



Prairie Island Nuclear Generating Plant Operated by Nuclear Management Company, LLC

October 10, 2003

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L-PI-03-096 10 CFR 55

OCT 1 5 2003

Mr. Chuck Phillips Chief Examiner USNRC, Region III 801 Warrenville Road Lisle, IL 60532-4351

Dear Mr. Phillips:

As a followup to the letter to you dated September 24, 2003, we are including two more Post-Examination Certification signatures to the Examination Security Agreement. Their signatures were unavailable at the time of the previous submittal, as noted in that submittal.

Tim Losinski's signature is contained on the normal agreement signature page, attached. Dennis Westphal's signature is contained on a separate statement page, attached also.

This letter contains no new commitments and no revisions to existing commitments.

Please contact Jim Lash (651-388-1165 ext 4053) if you have any questions related to this letter.

Sincerely,

<u></u> Joseph M. Solymobs

Site Vice President, Prairie Island Nuclear Generating Plant

cc: Regional Administrator, USNRC, Region III, w/o Roger D. Lanksbury, USNRC, Region III, w/o

Attachments: Examination Security Agreement (2 pages)

### **Attachment**

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Examination Security Agreement, PITC 218 Q (1 page)

Post Examination Certification Statement of Dennis Westphal (1 page)

October 10, 2003

2 Pages Follow

1717 Wakonade Drive East • Welch, Minnesota 55089-9642 Telephone: 651.388.1121

# PRAIRIE ISLAND TRAINING CENTER PIT TITLE: EXAMINATION SECURITY AGREEMENT Rev Box Box Box

PITC 218 Q Revision 0 Page 1 of 1

Page 1 of 3

#### 1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing requalification examination scheduled for the week(s) indicated in this agreement as of the date of my signature. I agree that I will not knowingly divulge any information about this examination to any unauthorized persons. An unauthorized person is any individual who has not been approved by the NRC chief examiner to receive specialized knowledge of the examination. I understand that I am not to participate in any instruction, tutoring, or examination involving those operators scheduled to be administered this licensing/requalification examination from this date until completion of examination administration. Furthermore, I am aware of the physical security measures and requirements (as documented in procedure PITC 3.10 "NRC Exam Security"). I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

#### 2. Post-Examination

| Examination Period                                                                                                                                                         | March 28, 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>3</b> to                                                                                                                                                            | Supt. 22, 2003                                                                                                                                             |                                                              |                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Printed Name                                                                                                                                                               | Pre-Examination<br>Certification (1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                        | Post-Examination<br>Certification (2)                                                                                                                      |                                                              |                                                                                                            |
| PAUL COOPER<br>Roisert KGULESPIE<br>Karen Coulsun<br>Mark Looshrak<br>Dennishestphal<br>Jeff Gehlhar<br>Sutt Whitson<br>Mike GareDeiwski<br>John Kompkes<br>Jeff Haufenson | Paul Coop<br>for the Statupie<br>Mark O. Holyoph<br>Miles Jones<br>Miles Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones<br>Jones | Date $3/28/03$<br>Date $4-1.03$<br>Date $4.2-3$<br>Date $5/2/03$<br>Date $5/2/03$<br>Date $6/2/03$<br>Date $6/2/03$<br>Date $6/2/03$<br>Date $6/1/03$<br>Date $6/2/03$ | Paul Coop<br>Robert K. Hullingin<br>Madell. Torbook<br>Madell. Torbook<br>Madell. Torbook<br>Madell. Torbook<br>Madell. Torbook<br>Scott whiten<br>Howking | Date<br>Date<br>Date<br>Date<br>Date<br>Date<br>Date<br>Date | 9/18/03<br>9-20-03<br>9-22-03<br>9/21/03<br>9/18/03<br>9/18/03<br>9/20/03<br>9/20/03<br>9/20/03<br>9/20/03 |
| Todd Strain<br>TIM LOSINSKI<br>Kevin Rhg. (y<br>WARNER ANDRENS                                                                                                             | And Strain<br>An Sousta<br>Land Chorly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Date $\frac{1}{6/29/03}$<br>Date $\frac{1}{6/29/03}$<br>Date $\frac{1}{6/29/63}$<br>Date $\frac{7/13/03}{7}$                                                           | And Allow<br>And Counter<br>Kan S. Allow<br>USANCIEL                                                                                                       | Date<br>Date<br>Date<br>Date                                 | <u>9-20-03</u><br><u>10-6-03</u><br><u>9-21-03</u><br><u>9121/03</u>                                       |

Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 09/08/2003 through 09/18/2003. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

**Exception:** I did evaluate a portion of the Audit Exam as previously reported to the Lead Examiner and documented in the PI Corrective Action Program.

Dennis Westphal trat

Sept: 20,03

Form ES-301-3

| 1 GENERAL CRITERIA                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |      |   |  |  |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|---|--|--|
|                                                                                                                            | a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | b*  | c#   |   |  |  |
| a.                                                                                                                         | Verify that the outline(s) fit(s) the appropriate model per ES-401.                                                                                                                                                                                                                                                                                                                                                                                                                                                        | the | ß    | 9 |  |  |
| b.                                                                                                                         | Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 and whether all K/A categories are appropriately sampled.                                                                                                                                                                                                                                                                                                                                                     | fec | 19B5 | B |  |  |
| c.                                                                                                                         | Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.                                                                                                                                                                                                                                                                                                                                                                                                                                     | he  | 1B   | 8 |  |  |
| d.                                                                                                                         | d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.                                                                                                                                                                                                                                                                                                                                                                                                                            |     |      |   |  |  |
| a.                                                                                                                         | a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, and major transients.                                                                                                                                                                                                                                                                                                                                                    |     |      |   |  |  |
|                                                                                                                            | 2. WALK-THROUGH CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |      | - |  |  |
| c.                                                                                                                         | To the extent possible, assess whether the outline(s) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.                                                                                                                                                                                                                                                                                                                                                    | Pa  | TB   | 8 |  |  |
| a.                                                                                                                         | <ul> <li>Verify that:</li> <li>(1) the outline(s) contain(s) the required number of control room and in-plant tasks,</li> <li>(2) no more than 30% of the test material is repeated from the last NRC examination,</li> <li>(3)* no tasks are duplicated from the applicants' audit test(s), and</li> <li>(4) no more than 80% of any operating test is taken directly from the licensee's exam banks.</li> </ul>                                                                                                          | ki  | 16   | Ч |  |  |
| b.                                                                                                                         | <ul> <li>b. Verify that:</li> <li>(1) the tasks are distributed among the safety function groupings as specified in ES-301,</li> <li>(2) one task is conducted in a low-power or shutdown condition,</li> <li>(3) 4 - 6 (2 - 3 for SRO-U) of the tasks require the applicant to implement an alternate path procedure,</li> <li>(4) one in-plant task tests the applicant's response to an emergency or abnormal condition, and</li> <li>(5) the in-plant walk-through requires the applicant to enter the BCA.</li> </ul> |     |      |   |  |  |
|                                                                                                                            | 3. SIMULATOR CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -   | -    | - |  |  |
| d.                                                                                                                         | Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.                                                                                                                                                                                                                                                                                                                                                            | Ac  | 1B   | 8 |  |  |
| a. Author<br>b. Facility Reviewer(*)<br>c. NRC Chief Examiner (#) Charles Phillips (Junksburg) (Same)<br>d. NRC Supervisor |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |      |   |  |  |
| No                                                                                                                         | te: * The facility signature is not applicable for NRC-developed tests<br>* Independent NRC reviewer initial items in Column "c", chief examiner concurrence required.                                                                                                                                                                                                                                                                                                                                                     |     |      | • |  |  |

| ES-301 |  |
|--------|--|
|--------|--|

Simulator Scenario Quality Checklist

Form ES-301-4

| Faci              | lity: Prairie Island Date of Evam: Sontombor 9 10, 2002 Sonnario Numbera: Afric Operation Tech                                                                                                                        | 4 N                    |        |                |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------|----------------|
| Tau               | Alul-2                                                                                                                                                                                                                | st NO.:                | nitial |                |
|                   | QUALITATIVE ATTRIBUTES                                                                                                                                                                                                | а                      | b*     | c#             |
| 1.                | The initial conditions are realistic, in that some equipment and/or instrumentation may be out of service, but it does not cue the operators into expected events.                                                    | Pa                     | ß      | 68             |
| 2.                | The scenarios consist mostly of related events.                                                                                                                                                                       | fee                    | - 1B   | 48             |
| 3.                | Each event description consists of the point in the scenario when it is to be initiated                                                                                                                               |                        |        | 4              |
|                   | the malfunction(s) that are entered to initiate the event                                                                                                                                                             | 0                      |        | 0              |
|                   | the symptoms/cues that will be visible to the crew                                                                                                                                                                    | 12                     |        |                |
|                   | the expected operator actions (by shift position)                                                                                                                                                                     |                        |        |                |
|                   | the event termination point (if applicable)                                                                                                                                                                           |                        | лB     |                |
| 4.                | No more than one non-mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.                                                          | Au                     | ß      | 4              |
| 5.                | The events are valid with regard to physics and thermodynamics.                                                                                                                                                       | PEL                    | NB     | lR.            |
| 6.                | Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.                                                       | Pec                    | 1B     | 48             |
| 7.                | If time compression techniques are used, the scenario summary clearly so indicates.<br>Operators have sufficient time to carry out expected activities without undue time<br>constraints. Cues are given.             | Au                     | 18     | G              |
| 8.                | The simulator modeling is not altered.                                                                                                                                                                                | te                     | NB     | 4              |
| 9.                | The scenarios have been validated. Pursuant to 10 CFR 55.46(d), any open simulator performance deficiencies have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios. | Ac                     | рВ     | 48             |
| 10.               | Every operator will be evaluated using at least one new or significantly modified scenario.<br>All other scenarios have been altered IAW Section D.5 of ES-301.                                                       | Re                     | рв     | 4              |
| 11.               | All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).                                                                          | Pee                    | .nb    | 4 <del>8</del> |
| 12.               | Each applicant will be significantly involved in the minimum number of transients and events specified on Form ES-301-5 (submit the form with the simulator scenarios).                                               | Per                    | 1B     | C              |
| 13.               | The level of difficulty is appropriate to support licensing decisions for each crew position.                                                                                                                         | PEL                    | M      | 48             |
| TAR               | GET QUANTITATIVE ATTRIBUTES (PER SCENARIO; see section D.5.d) Actual Attributes                                                                                                                                       |                        |        |                |
| 1.                | Total malfunctions (5-8) B / 1 / 8                                                                                                                                                                                    | Ac                     | MB     | ĊA             |
| 2.                | Malfunctions after EOP entry (1-2) 4 / 2 / 2                                                                                                                                                                          | Per                    | 1B     | 4              |
| 3.                | Abnormal events (2-4) 3 / 3 / 4                                                                                                                                                                                       | fee                    | ſ₿     | iq             |
| 4.                | Major transients (1-2)                                                                                                                                                                                                | Re                     | 1B     | Ą              |
| 5.                | EOPs entered/requiring substantive actions (1-2) 2/2/3                                                                                                                                                                | the                    | M      | B              |
| 6.                | EOP contingencies requiring substantive actions (0-2)                                                                                                                                                                 | Her                    | M      | Ц.             |
| 1.                | Uritical tasks (2-3)                                                                                                                                                                                                  | Pre                    | -14    | 7              |
| a. A              | uthor PAUL COOPER Paul COOL                                                                                                                                                                                           | 9                      | Pate   | <u>3</u>       |
| b.F<br>c.N<br>d.N | acility Reviewer(*) <u>TEDRY W. Open / We competend</u><br>RC Chief Examiner (*) Charles M. Hys Clight Multur<br>IRC Supervisor Rose Clicks by R and                                                                  | <u>7/3</u><br>91<br>91 | 4/07   | 3              |
| Note              | <ul> <li>* The facility signature is not applicable for NRC-developed tests</li> <li>* Independent NRC reviewer initial items in Column "c", chief examiner concurrence required.</li> </ul>                          | 1                      |        |                |

Transient and Event Checklist

Form ES-301-5 Equivalent

| OPERATING TEST NO.: 2 |                      |             |             |                            |  |  |  |  |
|-----------------------|----------------------|-------------|-------------|----------------------------|--|--|--|--|
| SCENARIO:             | EVOLUTION TYPE       | RO          | LEAD        | SS                         |  |  |  |  |
|                       | Reactivity           | -           | -           | -                          |  |  |  |  |
|                       | Normal               | -           | -           | -                          |  |  |  |  |
| Α                     | Instrument/Component | #1, #2 & #5 | #3, #7 & #8 | #1, #2, #3, #5, #7 &<br>#8 |  |  |  |  |
|                       | Major                | #4          | #4          | #4                         |  |  |  |  |
|                       | Reactivity           | #3          | -           | #3                         |  |  |  |  |
| в                     | Normai               | -           | -           | -                          |  |  |  |  |
| 2                     | Instrument/Component | #4, #7      | #1, #2 & #4 | #1, #2, #4 & #7            |  |  |  |  |
|                       | Major                | #5          | #5          | #5                         |  |  |  |  |
|                       | Reactivity           | -           | -           | -                          |  |  |  |  |
|                       | Normal               | -           | -           | -                          |  |  |  |  |
| С                     | Instrument/Component | #2, #5 & #7 | #1, #3 & #8 | #1, #2, #3, #5, #7 &<br>#8 |  |  |  |  |
|                       | Major                | #4          | #4          | #4                         |  |  |  |  |

This set of scenarios will be the simulator exam for 1 group composed of three SRO-I.

Instructions:

- (1) Enter the operating test number and Form ES- D- 1 event numbers for each evolution type.
- (2) Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. \* Reactivity and normal evolutions may be replaced with additional instrument or component malfunctions on a one-for-one basis.
- (3) Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count towards the minimum requirement.

Ciente philly 9/4/23

Author:

NRC Reviewer:

**Competencies Checklist** 

Form ES-301-6

|                                               | SRO      |       |       | RO       |         |               | BOP      |     |               |
|-----------------------------------------------|----------|-------|-------|----------|---------|---------------|----------|-----|---------------|
| Competencies                                  | SCENARIO |       |       | SCENARIO |         |               | SCENARIO |     |               |
|                                               | 1        | 2     | 3     | 1        | 2       | 3             | 1        | 2   | 3             |
| Interpret / Diagnose<br>Events and Conditions | 4        | 1,2,3 | 2,4,8 | 1,2      | 1,3     | 2,4,5,7<br>,8 | 3        | 1,2 | 1,3,4,5<br>,8 |
| Comply With and Use<br>Procedures (1)         | 4        | 4,5   | 4     | 1,2      | 2       | 2,8           | 3,4      | ALL | 1,3,4,8       |
| Operate Control Boards<br>(2)                 | NA       | NA    | NA    | 1,2,4,5  | 3,4,5,7 | 2,4,7,8       | 4,7      | ALL | 1,3,4,5<br>,6 |
| Communicate and<br>Interact                   | ALL      | ALL   | ALL   | 1,2,4    | ALL     | 2,4,5,7<br>,8 | ALL      | ALL | 1,3,4,5<br>,8 |
| Demonstrate<br>Supervisory Ability (3)        | ALL      | ALL   | ALL   | NA       | NA      | NA            | NA       | NA  | NA            |
| Comply With and Use<br>Tech. Specs. (3)       | 3        | 1,2   | 2,3,8 | NA       | NA      | NA            | NA       | NA  | NA            |

Instructions:

Circle the applicant's license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.

Author:

Charles 12 Culla 9/4/03

NRC Reviewer:

Appendix D

Scenario Outline

Form ES-D-1

| Facility:                                 | Prairie Islan                                    | d                 | Scenario No.: 2003NRC-A Op-Test No.:                            |
|-------------------------------------------|--------------------------------------------------|-------------------|-----------------------------------------------------------------|
| Examin<br>C.T.<br>Nick<br>Rob             | <u>ers:</u><br>Phillips<br>Valos<br>ert Morris   |                   | <u>Operators:</u><br>RO:<br>Lead:<br>SS:                        |
| Initial C<br>• 100 <sup>o</sup><br>• Turk | onditions: (IC-<br>% power EOC<br>bine impulse p | 40)<br>ressure fa | ailed with S/D abnormal per C51                                 |
| Turnove<br>•                              | er:                                              |                   |                                                                 |
| Event<br>No.                              | Malf.<br>No.                                     | Event<br>Type*    | Event<br>Description                                            |
| 1                                         | VC01A                                            | С                 | Loss of charging pump (RO)                                      |
| 2                                         | RC21A                                            | С                 | Reactor vessel flange O-ring leak (RO)                          |
| 3                                         | Various<br>Overrides                             | l                 | Rad monitor (R-11 &12) low flow (LEAD) {T.S}                    |
| 4                                         | MS01B                                            | М                 | Steam line rupture inside containment [Ramp 35% over 5 minutes] |
| 5                                         | FW34A/B                                          | С                 | AFW pumps fail to start (RO)                                    |
| 5                                         | FW32                                             | С                 | Trip of MDAFW pump on manual start                              |
| 6                                         | RP06                                             | С                 | MSIVs fail to auto close                                        |
| 6                                         | DI-46158C<br>DI-46159C                           | С                 | MSIVs fail to close in manual (ECA-2.1) (LEAD has CT actions)   |
| 7                                         | CS03A/B                                          | С                 | CS pumps fail to start (LEAD)                                   |
| 8                                         | CS02A/B                                          | С                 | Caustic addition valves fail to open (LEAD)                     |
|                                           |                                                  |                   |                                                                 |

Critical Tasks:

- E-0 (E) Minimum containment cooling equipment
- E-0 (F) Minimum AFW flow
- ECA-2.1 (A) Reduce AFW flow

\* (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor

NUREG- 1021, Draft Revision 9

Appendix D

Scenario Outline

Form ES-D-1

| Facility:                                     | Prairie Island                                 | 1              | Scenario No.: 2003NRC-B Op-Test No.:                                     |  |  |  |  |  |
|-----------------------------------------------|------------------------------------------------|----------------|--------------------------------------------------------------------------|--|--|--|--|--|
| Examin<br>• C.T.<br>• Nick<br>• Rob           | <u>ers:</u><br>Phillips<br>Valos<br>ert Morris |                | <u>Operators:</u><br>RO:<br>Lead:<br>SS:                                 |  |  |  |  |  |
| Initial Conditions: (IC-6)<br>• 6% power<br>• |                                                |                |                                                                          |  |  |  |  |  |
| Turnove<br>•                                  | ər:                                            |                |                                                                          |  |  |  |  |  |
| Event<br>No.                                  | Malf.<br>No.                                   | Event<br>Type* | Event<br>Description                                                     |  |  |  |  |  |
| 1                                             | RX216                                          | 1              | SG pressure fails (HIGH) {T.S.} (LEAD)                                   |  |  |  |  |  |
| 2                                             | SI07A                                          | С              | SI accumulator check valve leakage (LEAD)                                |  |  |  |  |  |
| 3                                             | FW13A                                          | С              | Main feedwater pump trips (RO – power reduction)                         |  |  |  |  |  |
| 4                                             | ED18,<br>ED19,<br>DG07A/B                      | С              | Loss of all AC power (ECA-0.0) with restoration from DG within 5 minutes |  |  |  |  |  |
| 5                                             | SG02A                                          | М              | SG tube rupture [10%]                                                    |  |  |  |  |  |
| 6                                             | DI-46158C                                      | e              | Associated MSIV won't close in manual (Deleted)                          |  |  |  |  |  |
| 7                                             | RC22A or<br>B                                  | С              | Pressurizer PORV leaks after RCS depressurization (RO)                   |  |  |  |  |  |
|                                               |                                                |                |                                                                          |  |  |  |  |  |

Critical Tasks:

- E-0 (A) Restore heat sink -OR- Manual reactor trip
- E-0 (C) Restore electrical power
- E-3 (A) Isolate ruptured SG
- E-3 (C) Depressurize RCS
- E-3 (D) Terminate SI

\* (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor

NUREG- 1021, Draft Revision 9

| Appendix D                                                       |                                                               |                               | Scenario Outline                                         | Form ES-D-1                                              |  |  |  |  |  |
|------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------|----------------------------------------------------------|----------------------------------------------------------|--|--|--|--|--|
|                                                                  | <u> </u>                                                      |                               |                                                          |                                                          |  |  |  |  |  |
| Facility:                                                        | Prairie Islan                                                 | ıd                            | Scenario No.: 2003NRC-C Op-Test No.:                     |                                                          |  |  |  |  |  |
| Examiners:<br>• C.T. Phillips<br>• Nick Valos<br>• Robert Morris |                                                               |                               | <u>Operators:</u><br>RO:<br>Lead:<br>SS:                 |                                                          |  |  |  |  |  |
| Initial C<br>• 79%<br>• Max<br>• Ens                             | onditions: (IC<br>) power<br>(imize pressur<br>ure pressurize | -<br>rizer bypa<br>er heater: | ass spray flow<br>s are in AUTO                          |                                                          |  |  |  |  |  |
| Turnov€<br>●                                                     | ər:                                                           |                               |                                                          |                                                          |  |  |  |  |  |
| Event<br>No.                                                     | Malf.<br>No.                                                  | Event<br>Type*                | Event<br>Description                                     |                                                          |  |  |  |  |  |
| 1                                                                | EG200                                                         |                               | Generator gas temperature controller failure (LEAD)      |                                                          |  |  |  |  |  |
| 2                                                                | RX014                                                         | I                             | Pressurizer low level bistable failure (No heaters) (RO) | Pressurizer low level bistable failure (No heaters) (RO) |  |  |  |  |  |
| 3                                                                | CC01B                                                         | С                             | Running CC pump trips                                    |                                                          |  |  |  |  |  |
| 3                                                                | CC02A                                                         | С                             | Standby CC pump fails to auto-start {T.S. 3.0.3} (LEAD)  |                                                          |  |  |  |  |  |
| 4                                                                | MS02B                                                         | М                             | Main steam rupture outside containment before MSIV       |                                                          |  |  |  |  |  |
| 5                                                                | various                                                       | С                             | ATWS (setup using computer assisted exercise)            |                                                          |  |  |  |  |  |
| 6                                                                | TC01A                                                         | С                             | Turbine stop valve sticks open (LEAD)                    |                                                          |  |  |  |  |  |
| 7                                                                | NI04A                                                         |                               | IR compensation causes P-6 failure (SR does not ener     | gize) <b>(RO)</b>                                        |  |  |  |  |  |
| 8                                                                | RC14                                                          | C                             | RCS Leak (RO/LEAD)                                       |                                                          |  |  |  |  |  |

Critical Tasks:

- E-0 (A) Manual reactor trip
- E-0 (K) Minimum CCW pumps
- FR-S.1 (C) Negative reactivity insertion
- FR-S.1 (A) Isolate Main Turbine

\* (N)ormal, (R)eactivity, (I)nstrument, (C)omponent, (M)ajor

NUREG- 1021, Draft Revision 9

Transient and Event Checklist

Form ES-301-5 Equivalent

| SCENARIO: | EVOLUTION TYPE       | RO          | LEAD        | SS                         |  |  |
|-----------|----------------------|-------------|-------------|----------------------------|--|--|
|           | Reactivity           |             | -           | -                          |  |  |
|           | Normal               | -           | -           | -                          |  |  |
| Α         | Instrument/Component | #1, #2 & #5 | #3, #7 & #8 | #1, #2, #3, #5, #7 &<br>#8 |  |  |
|           | Major                | #4          | #4          | #4                         |  |  |
|           | Reactivity           | -           | -           | -                          |  |  |
|           | Normal               | -           | -           | -                          |  |  |
| C         | instrument/Component | #2, #5 & #7 | #1, #3 & #8 | #1, #2, #3, #5, #7 &<br>#8 |  |  |
|           | Major                | #4          | #4          | #4                         |  |  |

This set of scenarios will be the simulator exam for 3 groups composed of a SRO-U and two ROs.

Instructions:

- (1) Enter the operating test number and Form ES- D- 1 event numbers for each evolution type.
- (2) Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. \* Reactivity and normal evolutions may be replaced with additional instrument or component malfunctions on a one-for-one basis.
- (3) Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count towards the minimum requirement.

Author:

NRC Reviewer:

Charlie , Nulle 914/03

Competencies Checklist

Form ES-301-6

|                                               | SRO |          |     |     | RO        |          |           |           | BOP |          |           |     |  |
|-----------------------------------------------|-----|----------|-----|-----|-----------|----------|-----------|-----------|-----|----------|-----------|-----|--|
| Competencies                                  |     | SCENARIO |     |     |           | SCENARIO |           |           |     | SCENARIO |           |     |  |
|                                               | 1   | 2        | 3   | 4   | 1         | 2        | 3         | 4         | 1   | 2        | 3         | 4   |  |
| Interpret / Diagnose<br>Events and Conditions | 4   | 1,2      | 2,4 | 1,3 | 1,2       | 1,2      | 2,5       | 2,4       | 3   | 1,2      | 1,3,<br>4 | 1,4 |  |
| Comply With and Use<br>Procedures (1)         | 4   | 4        | 4   | 5   | 1,2       | 2        | 2,5       | 2,4       | 3   | ALL      | 1,3,<br>4 | 3,5 |  |
| Operate Control Boards<br>(2)                 | NA  | NA       | NA  | NĂ  | 1,2       | 4        | 2,4       | 2,4,<br>5 | 4   | ALL      | 1,3,<br>4 | 3,5 |  |
| Communicate and<br>Interact                   | ALL | ALL      | ALL | ALL | 1,2,<br>4 | ALL      | 2,4,<br>5 | 2,4,<br>5 | ALL | ALL      | 1,3,<br>4 | 3,5 |  |
| Demonstrate Supervisory<br>Ability (3)        | ALL | ALL      | ALL | ALL | NA        | NA       | NA        | NĂ        | NA  | NA       | NA        | NA  |  |
| Comply With and Use<br>Tech. Specs. (3)       | 3   | 2        | 2   | 2,4 | NA        | NA       | NA        | NA        | NA  | NA       | NA        | NA  |  |
| Notes:                                        |     |          |     |     |           |          |           |           |     |          |           |     |  |

(4) Lost des Testesient Orensifienter

(1) Includes Technical Specification compliance for an RO.

(2) Optional for an SRO- U.

(3) Only applicable to SROs.

Instructions:

Circle the applicant's license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.

Author:

Paul Ceop 7/14/03 Charle, plulle 7/28/03

NRC Reviewer:

## Written Examination Quality Checklist

Form ES-401-6

| " `a                         | cility: Prairie Island                                                                                                                                                                                                            | Date of Exam: 09/                                                                                                                                           | 8-19/2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3                  |              | Exam L         | .evel: | RO/S   | RO        |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------|----------------|--------|--------|-----------|
| ſ                            |                                                                                                                                                                                                                                   |                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |              |                |        | Initia | <br> <br> |
|                              | Item Description                                                                                                                                                                                                                  |                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |              |                |        |        |           |
| 1.                           | Questions and answers technical                                                                                                                                                                                                   | ly accurate and applica                                                                                                                                     | able to faci                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ity.               |              |                | Rel    | AOI    | 9         |
| 2.                           | <ul><li>a. NRC K/As referenced for all c</li><li>b. Facility learning objectives ref</li></ul>                                                                                                                                    | questions<br>ferenced as available                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |              |                | Re     | ASI    | G         |
| 3.                           | SRO questions are appropriate p                                                                                                                                                                                                   | er Section D.2.d of ES                                                                                                                                      | -401                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |              |                | Ace    | ADI    | G         |
| 4.                           | Question selection and duplicatio consistent with a systematic sam                                                                                                                                                                | n from the last two NR<br>pling process                                                                                                                     | C licensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | exam               | s apj        | pears          | Péc    | AST    | G         |
| 5.                           | Question duplication from the lice<br>below (check the item that applied<br>the audit exam was systemating<br>the audit exam was complete<br>the examinations were develop<br>the licensee certifies that ther<br>other (explain) | ense screening/audit ex<br>s) and appears approp<br>ically and randomly dev<br>d before the license ex<br>oped independently; or<br>e is no duplication; or | am was co<br>riate:<br>/eloped; or<br>am was sta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | arted; c           | d as<br>or   | indicated      | Per    | ASI    | 8         |
| 6.                           | Bank use meets limits (no more t<br>bank at least 10 percent new, and<br>Enter the actual RO / SRO-only q                                                                                                                         | han 75% from the<br>d the rest modified).<br>uestion distribution⇔                                                                                          | Bank<br><i>15   1</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Modi<br>16 /       | fied<br>3    | New<br>44   21 | Pie    | ÞI     | 49        |
| 7.                           | Between 50% and 60% of the quie<br>exam are written at the comprehe<br>the SRO exam may exceed 60%<br>selected K/As support the higher<br>Enter the actual RO / SRO questi                                                        | estions on the RO<br>ension/analysis level;<br>if the randomly<br>cognitive levels.<br>on distribution ⇔                                                    | Memo<br>31 / //                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ry<br>O            | 38           | C/A<br>3 /15   | Péc    | ADI    | CB        |
| 8.                           | References/handouts provided do                                                                                                                                                                                                   | o not give away answe                                                                                                                                       | s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |              |                | fer    | 杨丁     | 58        |
| 9.                           | Question content conforms with s<br>examination outline and is approp<br>deviations are justified                                                                                                                                 | pecific K/A statements<br>priate for the Tier to wh                                                                                                         | in the previct the previct in the previous field th | riously<br>e assig | appr<br>ned; | roved          | PEL    | that   | Ş         |
| 10                           | Question psychometric quality an                                                                                                                                                                                                  | d format meet ES, App                                                                                                                                       | endix B, gi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | uideline           | es           |                | AL     | tof    | 4         |
| 11                           | The exam contains the required r correct and agrees with value on                                                                                                                                                                 | number of one-point, m<br>cover sheet                                                                                                                       | ultiple choi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ce iterr           | ns; th       | ie total is    | Per    | ASI    | B         |
| a. /<br>b. l<br>c. l<br>d. l | a. Author<br>b. Facility Reviewer (*)<br>c. NRC Chief Examiner (#)<br>d. NRC Regional Supervisor<br>Note: * The facility reviewer's initials/signature are not applicable for NRC-developed examinations                          |                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |              |                |        |        |           |

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## Enclosure 3

Form ES-403 "Written Examination Grading Quality Checklist"

September 24, 2003

1 Page Follows

1717 Wakonade Drive East • Welch, Minnesota 55089-9642 Telephone: 651.388.1121

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## Written Examination Grading Quality Checklist

Form ES-403-1

| Fa  | cility: Prairie Island Date of Exam: 9/18/2003 Exam Level: (RO/SRO)                                                                                             |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | initials                                                                                                                                                        |
|     | Item Description                                                                                                                                                |
| 1.  | Clean answer sheets copied before grading                                                                                                                       |
| 2.  | Answer key changes and question deletions justified and the Rectard B                                                                                           |
| 3.  | Applicants' scores checked for addition errors<br>(reviewers spot check > 25% of examinations)                                                                  |
| 4.  | Grading for all borderline cases (80 +/- 2% overall and 70 +/-<br>4% on the SRO-only) reviewed in detail                                                        |
| 5.  | All other failing examinations checked to ensure that grades Rev A 4                                                                                            |
| 6.  | Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants |
| a.  | Grader Richard Betts R. C. M. Cooper. Date Date Date Date Date Date Date Date                                                                                   |
| b.  | Facility Reviewer(*) Hames Jash Jan July 19/22/03                                                                                                               |
| c.  | NRC Chief Examiner (*) <u>Ulusta / Alulta</u> <u>192703</u>                                                                                                     |
| d.  | NRC Supervisor (*)                                                                                                                                              |
| (*) | The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.                               |
| **  | Answer sheets were copiel before hand grading bit not before machine grading.                                                                                   |

5 of 5