

## **VARIOUS CHECKLISTS**

**FOR THE BRAIDWOOD INITIAL EXAMINATION - MAY 2006**

| Facility: <u>BRAIDWOOD U1/U2</u>  |  | Date of Examination: <u>May 15-19, 2006</u> |
|---|--|---|
| Examinations Developed by:   |  | NRC (circle one)                            |
| Target Date*  | Task Description (Reference)   | Chief Examiner's Initials                   |
| -180  | 1. Examination administration date confirmed (C.1.a; C.2.a and b)  | drm   |
| -120  | 2. NRC examiners and facility contact assigned (C.1.d; C.2.e)  | drm   |
| -120  | 3. Facility contact briefed on security and other requirements (C.2.c)   | drm   |
| -120  | 4. Corporate notification letter sent (C.2.d)  | drm   |
| [-90]   | [5. Reference material due (C.1.e; C.3.c; Attachment 2)]   | n/a   |
| {-75}   | 6. Integrated examination outline(s) due, including Forms ES-201-2, ES-201-3, ES-301-1, ES-301-2, ES-301-5, ES-D-1's, ES-401-1/2, ES-401-3, and ES-401-4, as applicable (C.1.e and f; C.3.d)   | drm   |
| {-70}   | {7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)}  | drm   |
| {-45}   | 8. Proposed examinations (including written, walk-through JPMs, and scenarios, as applicable), supporting documentation (including Forms ES-301-3, ES-301-4, ES-301-5, ES-301-6, and ES-401-6), and reference materials due (C.1.e, f, g and h; C.3.d) | drm   |
| -30   | 9. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202)  | drm   |
| -14   | 10. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202)   | drm   |
| -14   | 11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)   | drm   |
| -14   | 12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)   | drm   |
| -7  | 13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)   | drm   |
| -7  | 14. Final applications reviewed; 1 or 2 (if >10) applications audited to confirm qualifications / eligibility; and examination approval and waiver letters sent (C.2.i; Attachment 4; ES-202, C.2.e; ES-204)   | n/a   |
| -7  | 15. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k)  | drm   |
| -7  | 16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)   | drm   |
| <p>* Target dates are generally based on facility-prepared examinations and are keyed to the examination date identified in the corporate notification letter. They are for planning purposes and may be adjusted on a case-by-case basis in coordination with the facility licensee.<br/>         [Applies only] {Does not apply} to examinations prepared by the NRC.</p> |  |   |

BEARDWOOD MAY 2006 EXAM

8154587817  
815467977

STC Room 228 XR235  
STC Room 228 XR238

ES-201

Examination Security Agreement

Form ES-201-3

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 5/15/06 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. 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

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 5/15/06. 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.

| PRINTED NAME          | JOB TITLE / RESPONSIBILITY | SIGNATURE (1)      | DATE      | SIGNATURE (2)      | DATE NOTE |
|-----------------------|----------------------------|--------------------|-----------|--------------------|-----------|
| 1. Darren Stiles      | Exam Author                | <i>[Signature]</i> | 11/15/05  | <i>[Signature]</i> | 5/15/06   |
| 2. Daniel P. Suter    | Lead Group Lead            | <i>[Signature]</i> | 11/15/05  | <i>[Signature]</i> | 5/15/06   |
| 3. Sandra I. Malen    | OSG                        | <i>[Signature]</i> | 11-15-05  | <i>[Signature]</i> | 5/22/06   |
| 4. Scott Barrett      | OTPS                       | <i>[Signature]</i> | 11-15-05  | <i>[Signature]</i> | 5/15/06   |
| 5. Gregory Baker      | Lead Instructor            | <i>[Signature]</i> | 11-15-05  | <i>[Signature]</i> | 5-17-06   |
| 6. J. Ackerson        | Facility Rep               | <i>[Signature]</i> | 11-15-05  | <i>[Signature]</i> | 6-2-06    |
| 7. Christopher Abbott | Facility Rep               | <i>[Signature]</i> | 12-7-05   | <i>[Signature]</i> | 5/24/06   |
| 8. Paul J. Higgins    | Exam Author                | <i>[Signature]</i> | 1-9-06    | <i>[Signature]</i> | 5/13/06   |
| 9. Dean Yarbrough     | Exam Logistics             | <i>[Signature]</i> | 2-7-06    | <i>[Signature]</i> | 6/1-06    |
| 10. John Moran        | OSG Unit Journey           | <i>[Signature]</i> | 2-7-06    | <i>[Signature]</i> | 5/15/06   |
| 11. George Hobar      | OSG Lead Inst              | <i>[Signature]</i> | 2/15/06   | <i>[Signature]</i> | 5/15/06   |
| 12. Ronald Kent       | SITE FT                    | <i>[Signature]</i> | 2/16/06   | <i>[Signature]</i> | 5/24/06   |
| 13. Boris Klymchuk    | Sr. analyst                | <i>[Signature]</i> | 02/16/06  | <i>[Signature]</i> | 05/23/06  |
| 14. David M. B. V.    | Exam Reviewer / SMO        | <i>[Signature]</i> | 2/21/2006 | <i>[Signature]</i> | 3/31/2006 |
| 15. Michael H. Dahl   | Exam Reviewer/SD           | <i>[Signature]</i> | 2-21-06   | <i>[Signature]</i> | 5-22-06   |

NOTES:

08:31:19 a.m. 05-31-2006  
12:34:25 p.m. 04 04 2006

BRAIDWOOD MAX 2006 EXAM

ES-201 Examination Security Agreement Form ES-201-3

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| PRINTED NAME         | JOB TITLE / RESPONSIBILITY | SIGNATURE (1)            | DATE    | SIGNATURE (2)            | DATE    | NOTE |
|----------------------|----------------------------|--------------------------|---------|--------------------------|---------|------|
| 1. Dale Burchfield   | NSO                        | <i>Dale Burchfield</i>   | 2/21/06 | <i>Dale Burchfield</i>   | 5/15/06 |      |
| 2. Lance Milner      | NSO                        | <i>Lance Milner</i>      | 5/15/06 | <i>Lance Milner</i>      | 5/15/06 |      |
| 3. Bill Seeman       | NSO                        | <i>Bill Seeman</i>       | 4/11/06 | <i>Bill Seeman</i>       | 5/18/06 |      |
| 4. BART KELLER       | SRO                        | <i>Bart Keller</i>       | 2-21-06 | <i>Bart Keller</i>       | 5/17/06 | 0700 |
| 5. Jim Solt          | SRO                        | <i>Jim Solt</i>          | 2-21-06 | <i>Jim Solt</i>          | 5-23-06 | M20  |
| 6. ANTHONY LEE KIGUR | NSO                        | <i>Anthony Lee Kigur</i> | 2/27/06 | <i>Anthony Lee Kigur</i> | 5/18/06 | 1535 |
| 7. CAROL A. RACHA    | SRO                        | <i>Carol A. Racha</i>    | 2/28/06 | <i>Carol A. Racha</i>    | 5/23/06 |      |
| 8. John E. Toff      | SRO                        | <i>John E. Toff</i>      | 3-1-06  | <i>John E. Toff</i>      | 6-2-06  |      |
| 9. John F. Browning  | SRO                        | <i>John F. Browning</i>  | 3-2-06  | <i>John F. Browning</i>  | 5/23/06 |      |
| 10. Philip J. Kova   | SM                         | <i>Philip J. Kova</i>    | 3-3-06  | <i>Philip J. Kova</i>    | 6/2/06  |      |
| 11. CHUCK WINTERS    | US                         | <i>Chuck Winters</i>     | 4/5/06  | <i>Chuck Winters</i>     | 5/31/06 |      |
| 12. MARTIN DEVINSI   | NSO                        | <i>Martin Devinsi</i>    | 4-8-06  | <i>Martin Devinsi</i>    | 5/23/06 |      |
| 13. RICHARD RALLEY   | NSO                        | <i>Richard Ralley</i>    | 4/10/06 | <i>Richard Ralley</i>    | 5/18/06 |      |
| 14. JOSEPH MARTIN    | NSO                        | <i>Joseph Martin</i>     | 4/10/06 | <i>Joseph Martin</i>     | 6/2/06  |      |
| 15. Denise Skratula  | US                         | <i>Denise Skratula</i>   | 4-4-06  | <i>Denise Skratula</i>   | 5-19-06 |      |

NOTES:

BRAIDWOOD MAY 2006 EXAM

ES-201

Examination Security Agreement

Form ES-201-3

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**2. Post-Examination**

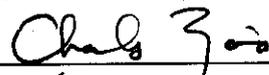
To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 5/15/06. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

|     | PRINTED NAME     | JOB TITLE / RESPONSIBILITY | SIGNATURE (1)      | DATE    | SIGNATURE (2)      | DATE NOTE |
|-----|------------------|----------------------------|--------------------|---------|--------------------|-----------|
| 1.  | Mark Olson       | Simulator Coordinator      | <i>[Signature]</i> | 5/15/06 | <i>[Signature]</i> | 5/15/06   |
| 2.  | ROBERT CAMERON   | FLT LEAD                   | <i>[Signature]</i> | 5/15/06 | <i>[Signature]</i> | 5/19/06   |
| 3.  | BRIAN KEMPEN     | FLT INSTRUCTOR             | <i>[Signature]</i> | 5/15/06 | <i>[Signature]</i> | 5/22/06   |
| 4.  | Richard Gauthier | OTM                        | <i>[Signature]</i> | 5/16/06 | <i>[Signature]</i> | 5/23/06   |
| 5.  | Cal Walcott      | SOS                        | <i>[Signature]</i> | 5/17/06 | <i>[Signature]</i> | 5/23/06   |
| 6.  | Ken Norris       | Exam Proctor               | <i>[Signature]</i> | 5/15/06 | <i>[Signature]</i> | 5/19/06   |
| 7.  | NEAL SANBORN     | Exam Proctor               | <i>[Signature]</i> | 5/19/06 | <i>[Signature]</i> | 5/19/06   |
| 8.  |                  |                            |                    |         |                    |           |
| 9.  |                  |                            |                    |         |                    |           |
| 10. |                  |                            |                    |         |                    |           |
| 11. |                  |                            |                    |         |                    |           |
| 12. |                  |                            |                    |         |                    |           |
| 13. |                  |                            |                    |         |                    |           |
| 14. |                  |                            |                    |         |                    |           |
| 15. |                  |                            |                    |         |                    |           |

NOTES:

| Tier / Group | Randomly Selected K/A | Reason for Rejection   |
|--------------|-----------------------|--|
| 1/1          | 000008G2.1.14         | K/A 000008G2.1.14 randomly selected for RO Tier 1 Group 1. Cannot develop exam item at license level for selected K/A. K/A G2.1.14 is sampled four separate times on exam. Replaced K/A 000008G2.1.14 with randomly selected K/A 000008G2.1.23 for broader sample of generic K/A's.  |
| 1/1          | 000056G2.1.30         | K/A 000056G2.1.30 randomly selected for RO Tier 1 Group 1. Cannot develop exam item at license level for selected K/A. K/A G2.1.14 is sampled three separate times on exam. Replaced K/A 000056G2.1.30 with randomly selected K/A 000056G2.1.33 for broader sample of generic K/A's.   |
| 1/1          | 000058AA1.01          | K/A 000058AA1.01 randomly selected for RO Tier 1 Group 1. K/A also sampled on audit exam. Can not develop two separate exam items without overlapping. Replaced K/A 000058AA1.01 with randomly selected K/A 000058AA1.03.  |
| 2/1          | 063000A1.01           | K/A 063000A1.01 randomly selected for RO Tier 2 Group 1 and K/A 000055A2.05 randomly selected for SRO Tier 1 Group 1. Can not develop two separate exam items without exposing candidates to double jeopardy. Replaced K/A 063000A1.01 with randomly selected K/A 063000K2.01  |
| 2/1          | 007000K5.02           | K/A 007000K5.02 randomly selected for RO Tier 2 Group 2. K/A addresses operational implications on PRT of drawing a bubble in PZR. Currently, Braidwood method of forming PZR bubble has no impact on PRT. No reference to PRT is made in procedures for forming PZR bubble. No other K/A's in category K5 available for selection. Replaced K/A 007000K5.02 with randomly selected K/A 007000A1.02. |
| 2/2          | 071000A4.27           | K/A 071000A4.27 randomly selected for RO Tier 2 Group 2. K/A addresses ability to monitor opening and closing of the gas decay tank (GDT) discharge control valve. GDT discharge valve opening and closing is monitored at local panel 0GW01J (vs. MCR) Replaced K/A 071000A4.27 with randomly selected K/A 071000A4.29.   |
| 2/1          | 0610002.4.49          | K/A 0610002.4.49 randomly selected for SRO Tier 2 Group 1. Can not develop exam item without exposing candidates to double jeopardy with other exam items. Replaced K/A 0610002.4.49 with randomly selected K/A 0590002.4.49   |
| 1/1          | 0000652.1.14          | K/A 0000652.1.14 randomly selected for SRO Tier 1 Group 1. Cannot develop exam item at license level for selected K/A. K/A G2.1.14 is sampled four separate times on exam. Replaced K/A 000065G2.1.14 with randomly selected K/A 000011G2.1.14.  |
| 2/1          | 078000A2.01           | K/A 078000A2.01 randomly selected for SRO Tier 2 Group 1. Cannot develop exam item at license level for selected K/A. Loss of I/A is tested on the RO portion of the exam. Replaced K/A 000008G2.1.14 with randomly selected K/A   |

|     |                |  |
|-----|----------------|--|
|     |                | 026000A2.08.   |
| 3   | 2.1.27         | K/A 2.1.27 randomly selected for RO Tier 3. K/A addresses system purpose and/or function. Cannot develop generic question that is not specific to a particular system. Replaced K/A 2.1.27 with randomly selected K/A 2.1.3.   |
| 2/2 | 072000K3.01    | K/A 072000K3.01 randomly selected for RO Tier 2 Group 2. During site validation, question content was potentially compromised. From discussions with NRC, directions was received to replace K/A with randomly selected K/A from RO Tier 2 Group 2 K/A category K.3. Randomly selected K/A 016000K3.03 to replace K/A 072000K3.01. |
| 2/2 | 034000K1.05    | K/A 034000K1.05 randomly selected for SRO Tier 2 Group 2. K/A addresses shutdown monitor. Shutdown monitor does not exist at Braidwood Station. Braidwood Station shutdown reactivity monitored by SR NI. With concurrence of NRC lead examiner, replaced K/A with SR NI K/A 034000K1.04.  |
| 3   | 2.1.31         | K/A 2.1.31 randomly selected for RO Tier 3. Developed question for K/A which was rejected by NRC due to level of difficulty. Cannot develop exam item of at least level of difficulty 2 for the selected K/A. Replaced with randomly selected K/A 2.1.3.   |
| 1/1 | 000011G 2.1.14 | K/A 000011G2.1.14 randomly selected for SRO Tier 1 Group 1. Developed question for K/A which was rejected by NRC due to level of difficulty. Cannot develop exam item of at least level of difficulty 2 for this combination of event and K/A. Replaced K/A with randomly selected K/A 000011G2.4.4.                               |

| Facility: Braidwood U1/U2    Date of Exam: 05/19/2006    Exam Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>                           |  |            |           |
|--|--|------------|-----------|
| Item Description   | Initials   |            |           |
|  | a  | b          | c         |
| 1. Clean answer sheets copied before grading   | cm   | cmj        | gm        |
| 2. Answer key changes and question deletions justified and documented  | n/a  | n/a        | n/a<br>gm |
| 3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)   | cm   | cmj        | gm        |
| 4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail   | n/a  | n/a        | n/a       |
| 5. All other failing examinations checked to ensure that grades are justified  | n/a  | n/a        | n/a       |
| 6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants | cm   | cmj        | gm        |
| Printed Name/Signature   |  | Date       |           |
| a. Grader  | Carl Moore /          | 05/22/2006 |           |
| b. NRC Reviewer(*)   | Charles Zoia /       | 05/22/2006 |           |
| c. NRC Chief Examiner (*)  | Dell McNeil /        | 05/22/2006 |           |
| d. NRC Supervisor (*)  | Hironori Peterson /  | 5/23/06    |           |
| (*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.                              |  |            |           |