

VARIOUS CHECKLISTS

FOR THE MONTICELLO INITIAL EXAMINATION - SEP 2003

Facility: <u>MONTICELLO</u>		Date of Examination: <u>9/23 - 26/2003</u>
Examinations Developed by: <u>Facility</u> / NRC (circle one)		
Target Date*	Task Description / Reference	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a & b)	RMH #
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	RMH #
-120	3. Facility contact briefed on security & other requirements (C.2.c)	RMH #
-120	4. Corporate notification letter sent (C.2.d)	RMH #
[-90]	[5. Reference material due (C.1.e; C.3.c)]	N/A
-75	6. Integrated examination outline(s) due (C.1.e & f; C.3.d)	RMH #
-70	7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)	RMH #
-45	8. Proposed examinations, supporting documentation, and reference materials due (C.1.e, f, g & h; C.3.d)	RMH #
-30	9. Preliminary license applications due (C.1.i; C.2.g; ES-202)	RMH #
-14	10. Final license applications due and assignment sheet prepared (C.1.i; C.2.g; ES-202)	RMH #
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	RMH #
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f & h; C.3.g)	RMH #
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	RMH #
-7	14. Final applications reviewed; assignment sheet updated; waiver letters sent (C.2.g, ES-204)	RMH #
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee and authorization granted to give written exams (if applicable) (C.3.k)	RMH #
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	RMH #
* Target dates 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.		
[] Applies only to examinations prepared by the NRC.		

Facility:		Date of Exam:		Exam Level: RO/SRO		
Item Description				Initials		
				a	b	c
1.	Clean answer sheets copied before grading			7	Km	<i>[Signature]</i>
2.	Answer key changes and question deletions justified and documented			7	Km	<i>[Signature]</i>
3.	Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)			7	Km	<i>[Signature]</i>
4.	Grading for all borderline cases (80% +/- 2%) reviewed in detail			7	Km	<i>[Signature]</i>
5.	All other failing examinations checked to ensure that grades are justified			7	Km	<i>[Signature]</i>
6.	Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants			7	Km	<i>[Signature]</i>
		Printed Name / Signature		Date		
a.	Grader	<u>DIRK FOSTER / <i>[Signature]</i></u>		<u>10-1-03</u>		
b.	Facility Reviewer(*)	<u>Kurt Markling / <i>[Signature]</i></u>		<u>10/2/03</u>		
c.	NRC Chief Examiner (*)	<u>Hironori Peterson / <i>[Signature]</i></u>		<u>10/21/03</u>		
d.	NRC Supervisor (*)	<u>RD Lanksbury / <i>[Signature]</i></u>		<u>11/4/03</u>		
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.						

MONTICELLO - 2003

As Submitted

- ✓ ~~Form ES-201-3, "Examination Security Agreements"~~

From Pre-Validation Material Submittal

- ✓ Form ES-301-3, "Operating Test Quality Checklist"
- ✓ Form ES-301-4, "Simulator Scenario Quality Checklist"
- ✓ Form ES-301-5, "Transient and Event Checklist"
- ✓ Form ES-301-6, "Competencies Checklist"
- ✓ Form ES-401-7, "Written Examination Quality Checklist" RO & SRO

as submitted

Facility:		Date of Examination:		Operating Test Number:		
1. GENERAL CRITERIA				Initials		
				a	b*	c#
a.	The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	JA	JA	PT	*1	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	JA	JA	PT		
c.	The operating test shall not duplicate items from the applicants' audit test(s)(see Section D.1.a).	JA	JA	PT	*1	
d.	Overlap with the written examination and between operating test categories is within acceptable limits.	JA	JA	PT	*1	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	JA	JA	PT	*1	
2. WALK-THROUGH (CATEGORY A & B) CRITERIA				a	b*	c#
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> initial conditions initiating cues references and tools, including associated procedures reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee specific performance criteria that include: <ul style="list-style-type: none"> detailed expected actions with exact criteria and nomenclature system response and other examiner cues statements describing important observations to be made by the applicant criteria for successful completion of the task identification of critical steps and their associated performance standards restrictions on the sequence of steps, if applicable 	JA	JA	PT	*1	
b.	The prescribed questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.	N/A	N/A	N/A		
c.	Repetition from operating tests used during the previous licensing examination is within acceptable limits (30% for the walk-through) and do not compromise test integrity.	JA	JA	PT		
d.	At least 20 percent of the JPMs on each test are new or significantly modified.	JA	JA	PT		
3. SIMULATOR (CATEGORY C) CRITERIA				a	b*	c#
a.	The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.	JA	JA	PT		
		Printed Name / Signature		Date		
a.	Author	GERALD M. ALLEX / <i>[Signature]</i>		7/8/03		
b.	Facility Reviewer(*)	ERIC C SUPKIN / <i>[Signature]</i>		7/10/03		
c.	NRC Chief Examiner (#)	Phillip Young / <i>[Signature]</i>		8/07/03		
d.	NRC Supervisor	[Signature]		9/18/03		
NOTE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.						

*1 see attached pages of comments on submitted review

Facility:	MONTICELLO	Date of Exam:	9/15/03	Scenario Numbers:	1 / 2 / 3	Operating Test No.	03-01		
QUALITATIVE ATTRIBUTES						Initial			
						a	b*	c#	
1.	The initial conditions are realistic, in that some equipment and/or instrumentation may be out of service, but does not cue the operators into expected events.					SA	Q	PR#	
2.	The scenarios consist mostly of related events.					SA	Q	PR#	
3.	Each event description consists of <ul style="list-style-type: none"> the point in the scenario when it is to be initiated the malfunction(s) that are entered to initiate the event the symptoms/cues that will be visible to the crew the expected operator actions (by shift position) the event termination point (if applicable) 					SA	Q	PR#	
4.	No more than one mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.					SA	Q	PR#	
5.	The events are valid with regard to physics and thermodynamics.					SA	Q	PR#	
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.					SA	Q	PR#	
7.	If time compression techniques are used, the scenario summary clearly so indicates, Operators have sufficient time to carry out expected activities without undue time constraints. Cues are given.					SA	Q	PR#	
8.	The simulator modeling is not altered.					SA	Q	PR#	
9.	The scenarios have been validated. Any open simulator performance deficiencies have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.					SA	Q	PR#	
10.	Every operator will be evaluated using at least one new or significantly modified scenario. All other scenarios have been altered in accordance with Section D.4 of ES-301.					SA	Q	PR#	
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).					SA	Q	PR#	
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).					SA	Q	PR#	
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.					SA	Q	3# *1	
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)						Actual Attributes			
1.	Total malfunctions (5-8)					7 / 7 / 7	SA	Q	PR# *1
2.	Malfunctions after EOP entry (1-2)					1 / 1 / 1	SA	Q	PR# *1
3.	Abnormal events (2-4)					3 / 4 / 2	SA	Q	PR# *1
4.	Major Transients (1-2)					2 / 2 / 2	SA	Q	PR# *1
5.	EOPs entered/requiring substantive actions (1-2)					2 / 2 / 2	SA	Q	PR# *1
6.	EOP contingencies requiring substantive actions (0-2)					2 / 1 / 1	SA	Q	PR# *1
7.	Critical tasks (2-3)					3 / 3 / 2	SA	Q	PR# *1

* see attached pages of comments on submitted review

Facility: MONTICELLO		Date of Exam: 9/15/03	Scenario Numbers: 4 / /	Operating Test No. 03-01	
QUALITATIVE ATTRIBUTES			Initial		
			a	b*	c#
1.	The initial conditions are realistic, in that some equipment and/or instrumentation may be out of service, but does not cue the operators into expected events.	SM	Q	HP	
2.	The scenarios consist mostly of related events.	SM	Q	PTM	
3.	Each event description consists of <ul style="list-style-type: none"> the point in the scenario when it is to be initiated the malfunction(s) that are entered to initiate the event the symptoms/cues that will be visible to the crew the expected operator actions (by shift position) the event termination point (if applicable) 	SM	Q	HP	
4.	No more than one mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.	SM	Q	HP	
5.	The events are valid with regard to physics and thermodynamics.	SM	Q	HP	
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	SM	Q	HP	
7.	If time compression techniques are used, the scenario summary clearly so indicates. Operators have sufficient time to carry out expected activities without undue time constraints. Cues are given.	SM	Q	HP	
8.	The simulator modeling is not altered.	SM	Q	HP	
9.	The scenarios have been validated. Any open simulator performance deficiencies have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.	SM	Q	HP	
10.	Every operator will be evaluated using at least one new or significantly modified scenario. All other scenarios have been altered in accordance with Section D.4 of ES-301.	SM	Q	HP	
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	SM	Q	HP	
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).	SM	Q	HP	
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	SM	Q	HP	
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		Actual Attributes	—	—	—
1.	Total malfunctions (5-8)	6 / /	SM	Q	HP
2.	Malfunctions after EOP entry (1-2)	1 / /	SM	Q	HP
3.	Abnormal events (2-4)	2 / /	SM	Q	HP
4.	Major Transients (1-2)	1 / /	SM	Q	HP
5.	EOPs entered/requiring substantive actions (1-2)	1 / /	SM	Q	HP
6.	EOP contingencies requiring substantive actions (0-2)	1 / /	SM	Q	HP
7.	Critical tasks (2-3)	3 / /	SM	Q	HP

*1 see attached pages of comments on submitted review

OPERATING TEST NO.: 03-01

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	4
RO	Reactivity	1	1	2	2	5
	Normal	1	3	1	1	1
	Instrument / Component	4	2, 4, 5, 6, 9	3, 4, 5, 6, 9	3, 4, 5, 6, 8	2, 3, 4, 6, 8
	Major	1	7, 8	7, 8	7, 9	7
As RO	Reactivity	1	1	2	2	5
	Normal	0	N/A	N/A	N/A	N/A
	Instrument / Component	2	2, 5	3, 5	4, 6	2, 3, 8
	Major	1	7, 8	7, 8	7, 9	7
SRO-I	Reactivity	0	1	2	2	5
	Normal	1	3	1	1	1
	Instrument / Component	2	2, 4, 5, 6, 9	3, 4, 5, 6, 9	3, 4, 5, 6, 8	2, 3, 4, 6, 8
	Major	1	7, 8	7, 8	7, 9	7
As SRO	Reactivity	0	N/A	N/A	N/A	N/A
	Normal	1	N/A	N/A	N/A	N/A
	Instrument / Component	2	N/A	N/A	N/A	N/A
	Major	1	N/A	N/A	N/A	N/A
SRO-U	Reactivity	0	N/A	N/A	N/A	N/A
	Normal	1	N/A	N/A	N/A	N/A
	Instrument / Component	2	N/A	N/A	N/A	N/A
	Major	1	N/A	N/A	N/A	N/A

- 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.4.d) but must be significant per Section C.2.a of Appendix D.
 - (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 toward the minimum requirement.

Author:

NRC Reviewer:

Facility: <u>Monticello</u>		Date of Exam: <u>9/15/03</u>		Exam Level: <u>RO/SRO</u>	
Item Description	Initial				
	a	b*	c*		
1. Questions and answers technically accurate and applicable to facility	th	th	th *1		
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available	th	th	th *1		
3. RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401	th	th	th *1		
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process			th		
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input checked="" type="checkbox"/> the audit exam was systematically and randomly developed; or <input type="checkbox"/> the audit exam was completed before the license exam was started; or <input type="checkbox"/> the examinations were developed independently; or <input type="checkbox"/> the licensee certifies that there is no duplication; or <input type="checkbox"/> other (explain)	th	th	th		
6. Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank	Modified	New		
	3	9	88		
7. Between 50 and 60 percent of the questions on the exam (including 10 new questions) are written at the comprehension/analysis level; enter the actual question distribution at right	Memory	CIA			
	42	58			
8. References/handouts provided do not give away answers	th	th	th *1		
9. Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the Tier to which they are assigned; deviations are justified	th	th	th *1		
10. Question psychometric quality and format meet ES, Appendix B, guidelines	th	th	th *1		
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	th	th	th *1		
Printed Name / Signature		Date			
a. Author	<u>GERALD M. Acker</u>	<u>7/8/03</u>			
b. Facility Reviewer (*)	<u>ERIC C. SOROKIN</u>	<u>7/10/03</u>			
c. NRC Chief Examiner (#)	<u>STY...</u>	<u>8/27/03</u>			
d. NRC Regional Supervisor	<u>RS Linking</u>	<u>9/18/03</u>			
Note: • The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.					

*1 see comments on submitted as documented on ES 401-9

Facility: <u>Monticello</u>		Date of Exam: <u>9/15/03</u>		Exam Level: <u>RO/SRO</u>		
Item Description	Initial					
	a	b*	c*			
1. Questions and answers technically accurate and applicable to facility	<i>SA</i>	<i>J</i>	<i>PS</i> *1			
2. a. NRC KIAs referenced for all questions b. Facility learning objectives referenced as available	<i>SA</i>	<i>J</i>	<i>PS</i>			
3. RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401	<i>SA</i>	<i>J</i>	<i>PS</i> *1			
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process			<i>PS</i>			
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input checked="" type="checkbox"/> the audit exam was systematically and randomly developed; or <input type="checkbox"/> the audit exam was completed before the license exam was started; or <input type="checkbox"/> the examinations were developed independently; or <input type="checkbox"/> the licensee certifies that there is no duplication; or <input type="checkbox"/> other (explain)	<i>SA</i>	<i>J</i>	<i>PS</i> (B)			
6. Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank	Modified	New	<i>SA</i>	<i>J</i>	<i>PS</i>
	5	7	88			
7. Between 50 and 60 percent of the questions on the exam (including 10 new questions) are written at the comprehension/analysis level; enter the actual question distribution at right	Memory		C/A	<i>SA</i>	<i>J</i>	<i>PS</i> *1
	42		58			
8. References/handouts provided do not give away answers	<i>SA</i>	<i>J</i>	<i>PS</i> *1			
9. Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the Tier to which they are assigned; deviations are justified	<i>SA</i>	<i>J</i>	<i>PS</i> *1			
10. Question psychometric quality and format meet ES, Appendix B, guidelines	<i>SA</i>	<i>J</i>	<i>PS</i> *1			
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	<i>SA</i>	<i>J</i>	<i>PS</i>			
Printed Name / Signature		Date				
a. Author	<u>GERALD M. ALEX</u>				<u>7/1/03</u>	
b. Facility Reviewer (*)	<u>ERIC C. SARKIS</u>				<u>7/10/03</u>	
c. NRC Chief Examiner (#)	<u>PHILIP T. YOUNG</u>				<u>7/10/03</u>	
d. NRC Regional Supervisor	<u>ROBERT L. LUKESBURY</u>				<u>9/15/03</u>	
Note: * The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.						

*1 see comments on submittal as documented on ES-401-9

MONTICELLO - 2003

as administered

From Post-Validation Material Submittal

- ✓ Form ES-301-3, "Operating Test Quality Checklist"
- ✓ Form ES-301-4, "Simulator Scenario Quality Checklist"
- ✓ Form ES-301-5, "Transient and Event Checklist"
- ✓ Form ES-301-6, "Competencies Checklist"
- ✓ Form ES-401-7, "Written Examination Quality Checklist" RO & SRO

*Form ES 201-3 Examination Security
Agreements⁴*

*at Review
or administrative*

ES-301

Operating Test Quality Checklist

Form ES-301-3

Facility: <u>Monticello</u>		Date of Examination: <u>9/22/03</u>		Operating Test Number: <u>03-01</u>	
1. GENERAL CRITERIA			Initials		
			a	b*	c#
a.	The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	<i>JA</i>	<i>JA</i>	<i>RM</i>	<i>JA</i>
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	<i>JA</i>	<i>JA</i>	<i>RM</i>	<i>JA</i>
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).	<i>JA</i>	<i>JA</i>	<i>RM</i>	<i>JA</i>
d.	Overlap with the written examination and between operating test categories is within acceptable limits.	<i>JA</i>	<i>JA</i>	<i>RM</i>	<i>JA</i>
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	<i>JA</i>	<i>JA</i>	<i>RM</i>	<i>JA</i>
2. WALK-THROUGH (CATEGORY A & B) CRITERIA			-	-	-
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> • initial conditions • initiating cues • references and tools, including associated procedures • reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee • specific performance criteria that include: <ul style="list-style-type: none"> - detailed expected actions with exact criteria and nomenclature - system response and other examiner cues - statements describing important observations to be made by the applicant - criteria for successful completion of the task - identification of critical steps and their associated performance standards - restrictions on the sequence of steps, if applicable 	<i>JA</i>	<i>JA</i>	<i>RM</i>	<i>JA</i>
b.	The prescribed questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.	N/A	N/A	N/A	N/A
c.	Repetition from operating tests used during the previous licensing examination is within acceptable limits (30% for the walk-through) and do not compromise test integrity.	<i>JA</i>	<i>JA</i>	<i>RM</i>	<i>JA</i>
d.	At least 20 percent of the JPMs on each test are new or significantly modified.	<i>JA</i>	<i>JA</i>	<i>RM</i>	<i>JA</i>
3. SIMULATOR (CATEGORY C) CRITERIA			-	-	-
a.	The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.	<i>JA</i>	<i>JA</i>	<i>RM</i>	<i>JA</i>
		Printed Name / Signature		Date	
a.	Author	<u>GERALD M. ALLEX</u> <i>G M Allex</i>		<u>9/11/03</u>	
b.	Facility Reviewer(*)	<u>ERIC C SOPKOW</u> <i>Eric C Sopkow</i>		<u>9/11/03</u>	
c.	NRC Chief Examiner (#)	<u>P. J. Young</u> <i>P J Young</i>		<u>9/11/03</u>	
d.	NRC Supervisor	<u>RD Linksbury</u> <i>RD Linksbury</i>		<u>9/18/03</u>	
NOTE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.					

Facility:	MONTICELLO	Date of Exam:	9/22/03	Scenario Numbers:	1 / 2 / 3	Operating Test No.	03-01	
QUALITATIVE ATTRIBUTES						Initial		
						a	b*	c#
1.	The initial conditions are realistic, in that some equipment and/or instrumentation may be out of service, but does not cue the operators into expected events.							
2.	The scenarios consist mostly of related events.							
3.	Each event description consists of <ul style="list-style-type: none"> the point in the scenario when it is to be initiated the malfunction(s) that are entered to initiate the event the symptoms/cues that will be visible to the crew the expected operator actions (by shift position) the event termination point (if applicable) 							
4.	No more than one mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.							
5.	The events are valid with regard to physics and thermodynamics.							
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.							
7.	If time compression techniques are used, the scenario summary clearly so indicates, Operators have sufficient time to carry out expected activities without undue time constraints. Cues are given.	N/A	N/A	N/A				
8.	The simulator modeling is not altered.							
9.	The scenarios have been validated. Any open simulator performance deficiencies have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.							
10.	Every operator will be evaluated using at least one new or significantly modified scenario. All other scenarios have been altered in accordance with Section D.4 of ES-301.							
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).							
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).							
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.							
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)						Actual Attributes		
1.	Total malfunctions (5-8)				7 / 7 / 5			
2.	Malfunctions after EOP entry (1-2)				2 / 2 / 1			
3.	Abnormal events (2-4)				3 / 4 / 2			
4.	Major Transients (1-2)				2 / 2 / 2			
5.	EOPs entered/requiring substantive actions (1-2)				2 / 2 / 2			
6.	EOP contingencies requiring substantive actions (0-2)				2 / 1 / 1			
7.	Critical tasks (2-3)				3 / 3 / 2			

Facility:	MONTICELLO	Date of Exam:	9/22/03	Scenario Numbers:	4 / 1	Operating Test No.	03-01	
QUALITATIVE ATTRIBUTES						Initial		
						a	b*	c#
						-	-	-
1.	The initial conditions are realistic, in that some equipment and/or instrumentation may be out of service, but does not cue the operators into expected events.					JA	Q	PS/AB
2.	The scenarios consist mostly of related events.					JA	Q	PS/AB
3.	Each event description consists of <ul style="list-style-type: none"> the point in the scenario when it is to be initiated the malfunction(s) that are entered to initiate the event the symptoms/cues that will be visible to the crew the expected operator actions (by shift position) the event termination point (if applicable) 					JA	Q	PS/AB
4.	No more than one mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.					JA	Q	PS/AB
5.	The events are valid with regard to physics and thermodynamics.					JA	Q	PS/AB
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.					JA	Q	PS/AB
7.	If time compression techniques are used, the scenario summary clearly so indicates, Operators have sufficient time to carry out expected activities without undue time constraints. Cues are given.					N/A	N/A	N/A
8.	The simulator modeling is not altered.					JA	Q	PS/AB
9.	The scenarios have been validated. Any open simulator performance deficiencies have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.					JA	Q	PS/AB
10.	Every operator will be evaluated using at least one new or significantly modified scenario. All other scenarios have been altered in accordance with Section D.4 of ES-301.					JA	Q	PS/AB
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).					JA	Q	PS/AB
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).					JA	Q	PS/AB
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.					JA	Q	PS/AB
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)						Actual Attributes		
1.	Total malfunctions (5-8)					6	/	/
2.	Malfunctions after EOP entry (1-2)					1	/	/
3.	Abnormal events (2-4)					5	2	1
4.	Major Transients (1-2)					1	/	/
5.	EOPs entered/requiring substantive actions (1-2)					1	/	/
6.	EOP contingencies requiring substantive actions (0-2)					1	/	/
7.	Critical tasks (2-3)					3	/	/

OPERATING TEST NO.: 03-01

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	4
RO	Reactivity	1	1	2	2	5
	Normal	1	3	1	1	1
	Instrument / Component	4	2, 4, 5, 6, 9	3, 4, 5, 6, 9	3, 4, 6	2, 3, 4, 6, 8
	Major	1	7, 8	7, 8	7	7

As RO	Reactivity	1	1	2	2	5
	Normal	0	N/A	N/A	N/A	N/A
	Instrument / Component	2	2, 5	3, 6,	3	2, 3, 8
	Major	1	7, 8	7, 8	7	7

SRO-I						
As SRO	Reactivity	0	1	2	2	5
	Normal	1	3	1	1	1
	Instrument / Component	2	2, 4, 5, 6, 9	3, 4, 5, 6, 9	3, 4, 6	2, 3, 4, 6, 8
	Major	1	7, 8	7, 8	7	7

SRO-U	Reactivity	0	N/A	N/A	N/A	N/A
	Normal	1	N/A	N/A	N/A	N/A
	Instrument / Component	2	N/A	N/A	N/A	N/A
	Major	1	N/A	N/A	N/A	N/A

- 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.4.d) but must be significant per Section C.2.a of Appendix D.
 - (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 toward the minimum requirement.

Author:

NRC Reviewer:

GERALD M. ALLEN / GMA
R.T. Young / RTY *H. P. ... / H.P.*

Competencies	BOP				OATC				CRS			
	Applicant #1				Applicant #2				Applicant #3			
	RO/SRO-I/SRO-U				RO/SRO-I/SRO-U				RO/SRO-I/SRO-U			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms	6,7,8	4,5,7	4,5,6,7	2,5,6	2,5,7,8	6,7,8,9	3,5,7	3,4,5	2,5,6,7,8	4,5,6,7,8,9	3,4,5,6,7	2,3,4,5,6
Diagnose Events and Conditions	4,6,8,9	4,7	6,7	2,5,6	2,6,7,8	3,4,6,8	3,7	3,4,5,7,8	2,4,6,7,8,9	3,4,6,7,8	3,6,7	2,3,4,5,6,7,8
Understand Plant and System Response	1,3,4,5,6,7,8	1,4,5,7,8	1,4,6,7	1,2,5,6,7	1,2,4,5,6,7,8	2,3,6,7,8	2,3,7	3,4,5,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,6,7	1,2,3,4,5,6,7,8
Comply With and Use Procedures (1)	3,4,6,7,8	1,4,5,7,8	1,4,6,7	1,2,5,6,7	1,2,5,7,8	2,3,6,7,8,9	2,3,5,7	3,4,5,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8,9	1,2,3,4,5,6,7	1,2,3,4,5,6,7,8
Operate Control Boards (2)	3,4,6,7,9	1,4,5,7,8	1,4,6,7	1,2,5,6,7	1,2,5,7,8	2,3,6,7,8,9	2,3,5,7	3,4,5,7,8	N/A	N/A	N/A	N/A
Communicate and Interact With the Crew	3,4,6,7,8,9	1,4,5,7,8	1,4,6,7	1,2,5,6,7	1,2,5,7,8	2,3,6,7,8,9	2,3,5,7	3,4,5,7,8	1,2,3,4,5,6,7,8,9	1,2,3,4,5,6,7,8,9	1,2,3,4,5,6,7	1,2,3,4,5,6,7,8
Demonstrate Supervisory Ability (3)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1,2,3,4,5,6,7,8,9	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7	1,2,3,4,5,6,7,8
Comply With and Use Tech. Specs. (3)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	4	N/A	3

Notes:

- (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:

GERALD M. ALLEN / [Signature]

NRC Reviewer:

[Signatures]

Facility: <u>Monticello</u>		Date of Exam: <u>9/22/03</u>		Exam Level: <u>RO/SRO</u>		
Item Description	Initial					
	a	b*	c*			
1. Questions and answers technically accurate and applicable to facility	SA	J	RM			
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available	SA	CM	RM			
3. RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401	SA	CA	RM			
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process			RM			
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input checked="" type="checkbox"/> the audit exam was systematically and randomly developed; or <input type="checkbox"/> the audit exam was completed before the license exam was started; or <input type="checkbox"/> the examinations were developed independently; or <input type="checkbox"/> the licensee certifies that there is no duplication; or <input type="checkbox"/> other (explain)	SA	CA	RM			
6. Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank	Modified	New	SA	CA	RM
	4	9	87			
7. Between 50 and 60 percent of the questions on the exam (including 10 new questions) are written at the comprehension/analysis level; enter the actual question distribution at right	Memory	C/A		SA	CA	RM
	40	60				
8. References/handouts provided do not give away answers	SA	J	RM			
9. Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the Tier to which they are assigned; deviations are justified	SA	CA	RM			
10. Question psychometric quality and format meet ES, Appendix B, guidelines	SA	CA	RM			
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	SA	CA	RM			
		Printed Name / Signature	Date			
a. Author	<u>GERALD M. ALLEX</u> / <u>[Signature]</u>		<u>9/5/03</u>			
b. Facility Reviewer (*)	<u>ERIC C. SOPKIN</u> / <u>[Signature]</u>		<u>9/11/03</u>			
c. NRC Chief Examiner (#)	<u>[Signature]</u> / <u>[Signature]</u>		<u>9/17/03</u>			
d. NRC Regional Supervisor	<u>[Signature]</u> / <u>[Signature]</u>		<u>9/18/03</u>			
Note: * The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.						

Facility: <u>Monticello</u>		Date of Exam: <u>9/22/03</u>		Exam Level: <u>RO/SRO</u>		
Item Description	Initial					
	a	b	c*			
1. Questions and answers technically accurate and applicable to facility	SA	JA	PM			
2. a. NRC KIAs referenced for all questions b. Facility learning objectives referenced as available	SA	Q	PM			
3. RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401	SA	Q	PM			
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process			PM			
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input checked="" type="checkbox"/> the audit exam was systematically and randomly developed; or <input type="checkbox"/> the audit exam was completed before the license exam was started; or <input type="checkbox"/> the examinations were developed independently; or <input type="checkbox"/> the licensee certifies that there is no duplication; or <input type="checkbox"/> other (explain)	SA	Q	PM			
6. Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank	Modified	New	SA	Q	PM
	2	9	89			
7. Between 50 and 60 percent of the questions on the exam (including 10 new questions) are written at the comprehension/analysis level; enter the actual question distribution at right	Memory	C/A		SA	Q	PM
	41	59				
8. References/handouts provided do not give away answers	SA	Q	PM			
9. Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the Tier to which they are assigned; deviations are justified	SA	Q	PM			
10. Question psychometric quality and format meet ES, Appendix B, guidelines	SA	Q	PM			
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	SA	Q	PM			
Printed Name / Signature		Date				
a. Author	<u>GERALD M. ALLEX</u>		<u>[Signature]</u>		<u>9/5/03</u>	
b. Facility Reviewer (*)	<u>ERIC C. SUPKIN</u>		<u>[Signature]</u>		<u>9/11/03</u>	
c. NRC Chief Examiner (#)	<u>[Signature]</u>		<u>[Signature]</u>		<u>9/17/03</u>	
d. NRC Regional Supervisor	<u>[Signature]</u>		<u>[Signature]</u>		<u>9/18/03</u>	
Note: • The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.						



October 29, 2003

L-MT-03-078
10 CFR 55.40

Mr. Pete Peterson
NRC Chief Examiner
USNRC, Region III
801 Warrenville Road
Lisle, IL 60532-4351

MONTICELLO NUCLEAR GENERATING PLANT
DOCKET 50-263
LICENSE No. DPR-22

**OPERATOR LICENSE POST-EXAMINATION DOCUMENTATION – EXAMINATION
SECURITY AGREEMENT**

Reference 1: NUREG-1021, Operator Licensing Examination Standards for
Power Reactors, Revision 8, Supplement 1

Reference 2: NMC letter to NRC, "Operator License Post-Examination
Documentation," dated October 3, 2003

Pursuant to the requirements of Reference 1, Section ES-501, "Initial Post-Examination
Activities," and as committed to in Reference 2 Nuclear Management Company, LLC
(NMC) is providing the NRC with a completed ES-201-3 form, "Examination Security
Agreement."

If you have any questions, please contact Gerard Lashinski, General Supervisor,
Operations Training (763-295-1531) or John Fields, Senior Regulatory Affairs Engineer
(763-295-1663).

Thomas J. Palmisano
Site Vice President, Monticello Nuclear Generating Plant
Nuclear Management Company, LLC

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

Attachment 1

Attachment 1

**NUCLEAR MANAGEMENT COMPANY, LLC
MONTICELLO NUCLEAR GENERATING PLANT
DOCKET 50-263**

FORM ES-201-3, EXAMINATION SECURITY AGREEMENT

5 pages follow

MNGD 2003 ILO NRC Exam

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 9/15/03 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. 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 9/22/03. 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)	DATENOTE
1. <u>GERALD M. ALLEX</u>	<u>ILO NRC Exam Team</u>	<u>[Signature]</u>	<u>12/2/02</u>	<u>[Signature]</u>	<u>9/26/03</u>
2. <u>JOHN V SHRIVER</u>	<u>Principle Engineering Analyst</u>	<u>[Signature]</u>	<u>12/16/02</u>	<u>[Signature]</u>	<u>10/16/03</u>
3. <u>DALLAS R. CLINES</u>	<u>CONTRACTOR - EXAM DEVELOPER</u>	<u>[Signature]</u>	<u>1/6/03</u>	<u>[Signature]</u>	
4. <u>RON UGLOW</u>	<u>SHEET MANAGER - EXAM TEAM</u>	<u>[Signature]</u>	<u>1/6/03</u>	<u>[Signature]</u>	<u>10-21-03</u>
5. <u>Dirk Foster</u>	<u>Principle Ops Enstructor</u>	<u>[Signature]</u>	<u>1-8-03</u>	<u>[Signature]</u>	<u>9/24/03</u>
6. <u>Manshik Song</u>	<u>Principle Engineer</u>	<u>[Signature]</u>	<u>1-16-03</u>	<u>[Signature]</u>	<u>9/26/03</u>
7. <u>Cathy Bengtson</u>	<u>Admin Support</u>	<u>[Signature]</u>	<u>1-21-03</u>	<u>[Signature]</u>	<u>10/03/03</u>
8. <u>Robin Brives</u>	<u>Contractor Operations Inst</u>	<u>[Signature]</u>	<u>2-24-03</u>	<u>[Signature]</u>	
9. <u>Jennifer Gjertsen</u>	<u>Admin Support</u>	<u>[Signature]</u>	<u>3/27/03</u>	<u>[Signature]</u>	<u>9/26/03</u>
10. <u>Paul Dehmer</u>	<u>I & C Specialist</u>	<u>[Signature]</u>	<u>4/21/03</u>	<u>[Signature]</u>	<u>9/26/03</u>
11. <u>ERIC SOPKIN</u>	<u>ENGINEER IN CHARGE DIRECTOR</u>	<u>[Signature]</u>	<u>5/14/03</u>	<u>[Signature]</u>	<u>9/26/03</u>
12. <u>Kurt MARKLING</u>	<u>Control Room Supv</u>	<u>[Signature]</u>	<u>6/9/03</u>	<u>[Signature]</u>	<u>09/26/03</u>
13. <u>TIM WELLMAN</u>	<u>PRA Engineer</u>	<u>[Signature]</u>	<u>6-12-03</u>	<u>[Signature]</u>	<u>10-21-03</u>
14. <u>DELORE SCHMITT</u>	<u>INSTRUMENT EP</u>	<u>[Signature]</u>	<u>6-19-03</u>	<u>[Signature]</u>	<u>10/16/03</u>
15. <u>Jabal Hopkins</u>	<u>RP Tech Instructor</u>	<u>[Signature]</u>	<u>6/29/03</u>	<u>[Signature]</u>	<u>10/8/03</u>

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 1/15/03 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. 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

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATENOTE
1. <u>Harold Paustian</u>	<u>Reactor Engineer</u>	<u>Harold Paustian</u>	<u>4/20/03</u>	<u>Harold Paustian</u>	<u>10/3/03</u>
2. <u>CLAUDE BANYAI</u>	<u>CONTROL Room Supv.</u>	<u>Claude Banyai</u>	<u>6/23/03</u>	<u>Claude Banyai</u>	<u>10-3-03</u>
3. <u>Robert V. Carlson</u>	<u>NLPE & RO</u>	<u>Robert V. Carlson</u>	<u>6-23-03</u>	<u>Robert V. Carlson</u>	<u>10-3-03</u>
4. <u>WILLIAM D. ERGEN</u>	<u>NPE & RO</u>	<u>William D. Ergen</u>	<u>6-24-03</u>	<u>William D. Ergen</u>	<u>10-3-03</u>
5. <u>Jerry D. Simpson</u>	<u>NPE & RO</u>	<u>Jerry D. Simpson</u>	<u>8-12-03</u>	<u>Jerry D. Simpson</u>	<u>9-26-03</u>
6. <u>Robert W. Walstrom</u>	<u>Shift Manager</u>	<u>Robert W. Walstrom</u>	<u>8-12-03</u>	<u>Robert W. Walstrom</u>	<u>9-26-03</u>
7. <u>JASON S. KINDRED</u>	<u>CRS</u>	<u>Jason S. Kindred</u>	<u>8-12-03</u>	<u>Jason S. Kindred</u>	<u>9-26-03</u>
8. <u>Richard F. Voigt</u>	<u>NPE & RO</u>	<u>Richard F. Voigt</u>	<u>8-12-03</u>	<u>Richard F. Voigt</u>	<u>9-26-03</u>
9. <u>SAM A. ALFAUD</u>	<u>NLPE & RO</u>	<u>Sam Alfaud</u>	<u>8-12-03</u>	<u>Sam Alfaud</u>	<u>10-10-03</u>
10. <u>SCOTT A. CIESIAK</u>	<u>NAPEO</u>	<u>Scott Ciesiak</u>	<u>8-13-03</u>	<u>Scott Ciesiak</u>	<u>10-3-03</u>
11. <u>William P. Cheever</u>	<u>Training Manager</u>	<u>William P. Cheever</u>	<u>8-15-03</u>	<u>William P. Cheever</u>	<u>9-30-03</u>
12. <u>Greg Holmstadt</u>	<u>Instructor</u>	<u>Greg Holmstadt</u>	<u>8-15-03</u>	<u>Greg Holmstadt</u>	<u>9/26/03</u>
13. <u>Tom Wainel</u>	<u>Instructor</u>	<u>Tom Wainel</u>	<u>8-15-03</u>	<u>Tom Wainel</u>	<u>9-26-03</u>
14. <u>John Grubb</u>	<u>Operations Manager</u>	<u>John Grubb</u>	<u>9/2/03</u>	<u>John Grubb</u>	<u>10/8/03</u>
15. <u>Doug Fousar</u>	<u>CRS</u>	<u>Doug Fousar</u>	<u>9/9/03</u>	<u>Doug Fousar</u>	<u>10/20/03</u>

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 9/15/03 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. 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.

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATENOTE
1. Peter Komarch	NPE/RO	<i>Peter Komarch</i>	9-9-03	<i>Peter Komarch</i>	10-10-03
2. Dan Witschen	NPE/RO	<i>Dan Witschen</i>	9-9-03	<i>Dan Witschen</i>	10-20-03
3. James Rebeck	NLPSO/RO	<i>James Rebeck</i>	9-9-03	<i>James Rebeck</i>	10-20-03
4. Bruce Mackintosh	SOM	<i>Bruce Mackintosh</i>	9-22-03	<i>Bruce Mackintosh</i>	9-13-03
5. Gerard Cashinski	GSOT	<i>Gerard Cashinski</i>	9-23-03	<i>Gerard Cashinski</i>	9-24-03
6. KEVIN HAUGEN	SHIFT MANAGER	<i>Kevin Haugen</i>	9/23/03	<i>Kevin Haugen</i>	9/24/03
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

NOTES:

MNGD 2003 ILO NRC Exam

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 9/15/03 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. 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 9/22/03. 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)	DATENOTE
1. <u>Gerald M. Alley</u>	<u>ILO NRC Exam Team</u>	<u>[Signature]</u>	<u>12/2/02</u>	<u>[Signature]</u>	<u>9/26/03</u>
2. <u>JOHN V SHRIVER</u>	<u>Principle Engineering Analyst</u>	<u>[Signature]</u>	<u>12/16/02</u>		
3. <u>DALLAS R. CLINES</u>	<u>CONTRACTOR - EXAM DEVELOPER</u>	<u>[Signature]</u>	<u>1/6/03</u>	<u>[Signature]</u>	<u>10/6/03</u>
4. <u>RON UGLOW</u>	<u>SHIFT MANAGER - EXAM TEAM</u>	<u>[Signature]</u>	<u>1/6/03</u>		
5. <u>Dirk Foster</u>	<u>Principle Ops Instructor</u>	<u>[Signature]</u>	<u>1-8-03</u>	<u>[Signature]</u>	<u>9/26/03</u>
6. <u>Manchik Song</u>	<u>Principal Engineer</u>	<u>[Signature]</u>	<u>1-16-03</u>	<u>[Signature]</u>	<u>9/26/03</u>
7. <u>Patrick Bengtson</u>	<u>Admin Support</u>	<u>[Signature]</u>	<u>1-21-03</u>		
8. <u>[Signature]</u>	<u>Contractor Operations Inst</u>	<u>[Signature]</u>	<u>2-24-03</u>		
9. <u>Jennifer Gjertsen</u>	<u>Admin Support</u>	<u>[Signature]</u>	<u>3/27/03</u>	<u>[Signature]</u>	<u>9/26/03</u>
10. <u>Paul Dehmer</u>	<u>ITC Specialist</u>	<u>[Signature]</u>	<u>4/21/03</u>	<u>[Signature]</u>	<u>9/26/03</u>
11. <u>ERIC SOPKIN</u>	<u>ENGINEERING DIRECTOR</u>	<u>[Signature]</u>	<u>5/14/03</u>	<u>[Signature]</u>	<u>9/26/03</u>
12. <u>Kurt MARKING</u>	<u>Control Room Supv.</u>	<u>[Signature]</u>	<u>6/19/03</u>	<u>[Signature]</u>	<u>09/26/03</u>
13. <u>Tom WELLMAN</u>	<u>PRA Engineer</u>	<u>[Signature]</u>	<u>6-11-03</u>		
14. <u>Debbie HERRITT</u>	<u>INSTURDY EP</u>	<u>[Signature]</u>	<u>6-19-03</u>		
15. <u>John Hopkins</u>	<u>RP Tech Instructor</u>	<u>[Signature]</u>	<u>6/20/03</u>		

NOTES:

MNGD 2003 ILO NRC Exam

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 9/15/03 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. 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.

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATENOTE
1. <u>GERALD M. ALLEN</u>	<u>ILO NRC Exam Team</u>	<u>[Signature]</u>	<u>12/16/02</u>	<u>[Signature]</u>	<u>9/26/03</u>
2. <u>JOHN V. SHRIVER</u>	<u>Principle Engineering Analyst</u>	<u>[Signature]</u>	<u>12/16/02</u>		
3. <u>DALLAS R. CLINES</u>	<u>CONTRACTOR - EXAM DEVELOPER</u>	<u>[Signature]</u>	<u>1/6/03</u>		
4. <u>RON UGLOW</u>	<u>SHIFT MANAGER - EXAM TEAM</u>	<u>[Signature]</u>	<u>1/6/03</u>		
5. <u>Dick Foster</u>	<u>Principle Ops Instructor</u>	<u>[Signature]</u>	<u>1-8-03</u>	<u>[Signature]</u>	<u>9/26/03</u>
6. <u>Manshik Song</u>	<u>Principal Engineer</u>	<u>[Signature]</u>	<u>1-16-03</u>	<u>[Signature]</u>	<u>9/26/03</u>
7. <u>Christy Bengtson</u>	<u>Admin Support</u>	<u>[Signature]</u>	<u>1-21-03</u>		
8. <u>[Signature]</u>	<u>Contractor - Operations Inst</u>	<u>[Signature]</u>	<u>2-24-03</u>		<u>10-14-03</u>
9. <u>Jennifer Gjertsen</u>	<u>Admin Support</u>	<u>[Signature]</u>	<u>3/27/03</u>	<u>[Signature]</u>	<u>9/26/03</u>
10. <u>Paul Dehmer</u>	<u>I & C Specialist</u>	<u>[Signature]</u>	<u>4/21/03</u>	<u>[Signature]</u>	<u>9/26/03</u>
11. <u>ERIC SARKIS</u>	<u>ENGINEERING DIRECTOR</u>	<u>[Signature]</u>	<u>5/14/03</u>	<u>[Signature]</u>	<u>9/26/03</u>
12. <u>Rust MARKLING</u>	<u>Control Room Supv</u>	<u>[Signature]</u>	<u>6/19/03</u>	<u>[Signature]</u>	<u>09/26/03</u>
13. <u>TIM WELLS</u>	<u>PRA Engineer</u>	<u>[Signature]</u>	<u>6-12-03</u>		
14. <u>DEBORAH HUMITT</u>	<u>NSR/WHM EP</u>	<u>[Signature]</u>	<u>6-19-03</u>		
15. <u>John Hopkins</u>	<u>RP Tech Instructor</u>	<u>[Signature]</u>	<u>6/20/03</u>		

NOTES: