

Facility: <u>NMP 1</u>		Date of Examination: <u>July 24</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)	<u>GB</u>
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	<u>GB</u>
-120	3. Facility contact briefed on security & other requirements (C.2.c)	<u>GB 4/13</u>
-120	4. Corporate notification letter sent (C.2.d)	<u>GB 4/13</u>
[-90]	[5. Reference material due (C.1.e; C.3.c)]	<u>NA</u>
-75	6. Integrated examination outline(s) due (C.1.e & f; C.3.d)	<u>GB 5/9</u>
-70	7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)	<u>GB 5/12</u>
-45	8. Proposed examinations, supporting documentation, and reference materials due (C.1.e, f, g & h; C.3.d)	<u>po 6/19</u>
-30	9. Preliminary license applications due (C.1.i; C.2.g; ES-202)	<u>po 7/28/00</u>
-14	10. Final license applications due and assignment sheet prepared (C.1.i; C.2.g; ES-202)	<u>po 7/17/00</u>
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	<u>po 7/17/00</u>
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f & h; C.3.g)	<u>po 7/17/00</u>
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	<u>po 7/11/00</u>
-7	14. Final applications reviewed; assignment sheet updated; waiver letters sent (C.2.g, ES-204)	<u>po 7/11/00</u>
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee and authorization granted to give written exams (if applicable) (C.3.k)	<u>po 7/10/00</u>
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	<u>po 7/11/00</u>
<p>* 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.</p> <p>[] Applies only to examinations prepared by the NRC.</p>		

Facility: Nine Mile Point Unit 1		Date of Examination: 2000		
Item	Task Description	Initials		
		a	b*	c
W R I T E N	1. a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	EWS	AR	B
	b. Assess whether the outline was systematically prepared and whether all knowledge and ability categories are appropriately sampled.	EWS	AR	B
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	EWS	AR	B
	d. Assess whether the repetition from previous examination outlines is excessive.	EWS	AR	B
S I M	2. 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.	EWS	AR	B
	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 over successive days.	EWS	AR	B
	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.	EWS	AR	B
W / T	3. a. Verify that: (1) the outline(s) contain(s) the required number of control room and in-plant tasks, (2) no more than 30% of the test material is repeated from the last NRC examination, (3)* no tasks are duplicated from the applicants' audit test(s), and (4) no more than 80% of any operating test is taken directly from the licensee's exam banks.	EWS	AR	B
	b. Verify that: (1) the tasks are distributed among the safety function groupings as specified in ES-301, (2) one task is conducted in a low-power or shutdown condition, (3) 40% of the tasks require the applicant to implement an alternate path procedure, (4) one in-plant task tests the applicant's response to an emergency or abnormal condition, and (5) the in-plant walk-through requires the applicant to enter the RCA.	EWS	AR	B
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	EWS	AR	B
	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 successive days.	EWS	AR	B
G E N E R A L	4. a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	EWS	AR	B
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	EWS	AR	B
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	EWS	AR	B
	d. Check for duplication and overlap among exam sections.	EWS	AR	B
	e. Check the entire exam for balance of coverage.	EWS	AR	B
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	EWS	AR	B
a. Author <u>Edwin W. Bowles</u> b. Facility Reviewer(*) <u>Edwin W. Bowles</u> c. Chief Examiner <u>P.H. Bissett</u> d. NRC Supervisor <u>R.J. Caste</u>		Printed Name / Signature Date 4/17/2000 5/12/2000 7/12/00		

(*) Not applicable for NRC-developed examinations.

Facility:		Operating Test Number:		Date of Examination:	
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).	SWB PB	M	N	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	SWB PB	M	N	
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).	SWB PB	M	N	
d.	Overlap with the written examination and between operating test categories is within acceptable limits.	SWB PB	M	N	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	SWB PB	M	N	
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 • 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 	SWB PB	M	N	
b.	The prescribed questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.	SWB PB	M	N	
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.	SWB PB	M	N	
d.	At least 20 percent of the JPMs on each test are new or significantly modified.	SWB PB	M	N	
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.	SWB PB	M	N	
a. Author	<div style="display: flex; justify-content: space-between;"> <div> <u>Edwin W. Boule</u> <i>Edwin W. Boule</i> </div> <div> <u>Philip G. Ballard</u> <i>Philip G. Ballard</i> </div> </div>	Date 5/25/00			
b. Facility Reviewer(*)	<div style="display: flex; justify-content: space-between;"> <div> <u>Steve Reinighaus</u> <i>Steve Reinighaus</i> </div> <div> <u>J. D. Anderson</u> <i>J. D. Anderson</i> </div> </div>	7/12/00			
c. NRC Chief Examiner (*)	<div style="display: flex; justify-content: space-between;"> <div> <u>RT. Cante</u> <i>RT. Cante</i> </div> <div> <u>Gog Cante</u> <i>Gog Cante</i> </div> </div>	11/25/00			
d. NRC Supervisor (*)					
(*) The facility signature is not applicable for NRC-developed tests; two independent NRC reviews are required.					

Facility: Nine Mile Point Unit 1		Date of Exam: 2000 Operating Test No.:	Scenario Numbers: 1 / 2 / 3 / ALT ALL		
QUALITATIVE ATTRIBUTES		Initials			
		a	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.	ESB PB	M	N	
2.	The scenarios consist mostly of related events.	ESB PB	M	N	
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) 	ESB PB	M	N	
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.	ESB PB	M	N	
5.	The events are valid with regard to physics and thermodynamics.	ESB PB	M	N	
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	ESB PB	M	N	
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. (NO time compression is used)	ESB PB	M	N	
8.	The simulator modeling is not altered.	ESB PB	M	N	
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.	ESB PB	M	N	
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.	ESB PB	M	N	
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	ESB PB	M	N	
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).	ESB PB	M	N	
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	ESB PB	M	N	
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		Actual Attributes	--	--	--
1.	Total malfunctions (5-8)	6 / 5 / 5 / 7	ESB PB	M	N
2.	Malfunctions after EOP entry (1-2)	1 / 1 / 1 / 1	ESB PB	M	N
3.	Abnormal events (2-4)	4 / 3 / 3 / 3	ESB PB	M	N
4.	Major transients (1-2)	2 / 2 / 2 / 2	ESB PB	M	N
5.	EOPs entered/requiring substantive actions (1-2)	2 / 2 / 2 / 2	ESB PB	M	N
6.	EOP contingencies requiring substantive actions (0-2)	0 / 1 / 1 / 1	ESB PB	M	N
7.	Critical tasks (2-3)	3 / 3 / 3 / 2	ESB PB	M	N

* Updated to reflect scenario #2 event sequence change

Facility: Nine Mile Point Unit 1		Date of Exam: 2000 Operating Test No.:		Scenario Numbers: 1 / 2 / 3 / ALT	
QUALITATIVE ATTRIBUTES			Initials		
			a	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.	EWB	AR	B	
2.	The scenarios consist mostly of related events.	EWB	AR	B	
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 non-mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.	EWB	AR	B	
5.	The events are valid with regard to physics and thermodynamics.	EWB	AR	B	
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	EWB	AR	B	
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. (NO time compression is used)	EWB	AR	NA	
8.	The simulator modeling is not altered.	EWB	AR	B	
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.	EWB	AR	B	
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	EWB	AR	B	
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).	EWB	AR	B	
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	EWB	AR	B	
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		Actual Attributes			
1.	Total malfunctions (5-8)	6 / 5 / 5 / 7	EWB	AR	B
2.	Malfunctions after EOP entry (1-2)	1 / 1 / 1 / 1	EWB	AR	B
3.	Abnormal events (2-4)	4 / 3 / 3 / 3	EWB	AR	B
4.	Major transients (1-2)	2 / 2 / 2 / 2	EWB	AR	B
5.	EOPs entered/requiring substantive actions (1-2)	2 / 2 / 2 / 2	EWB	AR	B
6.	EOP contingencies requiring substantive actions (0-2)	0 / 1 / 1 / 1	EWB	AR	B
7.	Critical tasks (2-3)	2 / 3 / 2 / 2	EWB	AR	B

* To the extent possible at this time

OPERATING TEST NO.:SRO-1

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

- 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.

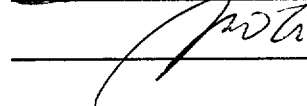
Author:

* Updated to reflect scenario #2 event sequence change



5/25/00

Chief Examiner:



OPERATING TEST NO.:SRO-2 and SRO-5

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	ALT
RO	Reactivity	1				
	Normal	1				
	Instrument	2				
	Component	2				
	Major	1				

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

SRO-U	Reactivity	0				
	Normal	1				
	Instrument	1				
	Component	1				
	Major	1				

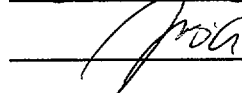
- Instructions: (1) Enter the operating test number and Form ES-D-1 event numbers for each evolution type.
- (2) Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.4.d) but must be significant per Section C.2.a of Appendix D.

Author:

* Updated to reflect scenario #2 event sequence change




Chief Examiner:



OPERATING TEST NO.:SRO-3

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	ALT
RO	Reactivity	1				
	Normal	1				
	Instrument	2				
	Component	2				
	Major	1				

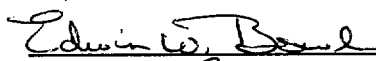

As RO	Reactivity	1		4		
	Normal	0	1			
	Instrument	1	2	5		
	Component	1	3,7	6		
	Major	1	8	7		
SRO-I	BOP RO					
	Reactivity	0			5	
As SRO	Normal	1			1	
	Instrument	1			2,3	
	Component	1			6	
	Major	1			7	

SRO-U	Reactivity	0				
	Normal	1				
	Instrument	1				
	Component	1				
	Major	1				

- 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.

Author:

* Updated to reflect scenario #2 event sequence change

Chief Examiner:



OPERATING TEST NO.:SRO-4

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	ALT
RO	Reactivity	1				
	Normal	1				
	Instrument	2				
	Component	2				
	Major	1				



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

SRO-U	Reactivity	0				
	Normal	1				
	Instrument	1				
	Component	1				
	Major	1				

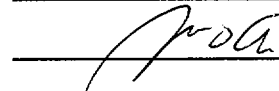
- Instructions: (1) Enter the operating test number and Form ES-D-1 event numbers for each evolution type.
- (2) Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.4.d) but must be significant per Section C.2.a of Appendix D.

Author:

* Updated to reflect scenario #2 event sequence change

Chief Examiner:



OPERATING TEST NO.: RO-1

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

As RO	Reactivity	1				
	Normal	0				
	Instrument	1				
	Component	1				
	Major	1				
SRO-I						
As SRO	Reactivity	0				
	Normal	1				
	Instrument	1				
	Component	1				
	Major	1				

SRO-U	Reactivity	0				
	Normal	1				
	Instrument	1				
	Component	1				
	Major	1				

- 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.

Author:

* Updated to reflect scenario #2 event sequence change

Edwin W. Bane *Paul G. Bane* 5/25/08

Chief Examiner:

[Signature]

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

* Updated to reflect scenario #2 event sequence change

Chief Examiner:

Edwin W. Bane *Paul G. Ball* *stefan*

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

* Updated to reflect scenario #2 event sequence change

Chief Examiner:

Edwin W. Bower *Purple G. Ballard* 5/25/2008

Competencies	Applicant #SR0-4				Applicant #SRO-5			
	SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms	5,6,7	3,6			3,5	3,5,6	3,4	
Diagnose Events and Conditions	5,7,8	2,3,6 ,7			5	3,5,6	3	
Understand Plant and System Response	4,7	3,6	3,7		4,7	3,5,6 ,7	3,4,7	
Comply With and Use Procedures (1)	8	1,3,5 6,7	5,7		5,8	6,7	1,4,7	
Operate Control Boards (2)		1,3,6 ,7	5,7		4,5,8		1,4,7	
Communicate and Interact With the Crew	3,4,5 ,7,8	2,3,6 ,7	5,7		4,5,7 ,8	2,3,4 ,5,6, 7	2,3,4 ,7	
Demonstrate Supervisory Ability (3)	3,4,7 ,8					2,3,4 ,5,6, 7		
Comply With and Use Tech. Specs. (3)	4,5					2		
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:

* Updated to reflect scenario #2 event sequence change

Chief Examiner:

Edwin L. Bane *Paul S. Patten* 5/25/00

Facility: Nine Mile Point 1		Date of Exam: 7/21/2000		Exam Level: RO/SRO		
Item Description				Initial		
				a	b*	c#
1.	Questions and answers technically accurate and applicable to facility			eb pb	AR	#
2.	a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available			eb pb	AR	#
3.	RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401			eb pb	AR	#
4.	No more than 25 questions are duplicated from [practice exams, quizzes, and] the last two NRC licensing exams; enter the actual number of duplicated questions at right	NRC 0	Other 0	eb pb	AR	#
5.	[No (Less than 5 percent) question duplication from the license screening/audit exam (if independently written)]			eb pb	AR	#
6.	Bank use meets limits (no more than 50 percent from the bank, at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank 0	Modified 0	New 100	eb pb	M
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 41	C/A 59	eb pb	AR	#
8.	References/handouts provided do not give away answers			eb pb	M	#
9.	Question distribution meets previously approved examination outline; deviations are justified			eb pb	M	#
10.	Question psychometric quality and format meet ES, Appendix B, guidelines			eb pb	M	#
11.	The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet			eb pb	M	#
<p>PHILIP G. BALLARD Edwin W. Bowles</p> <p>Printed Name / Signature</p> <p>a. Author <u>Philip G. Ballard / Edwin W. Bowles</u></p> <p>b. Facility Reviewer(*) <u>Steve Remington</u></p> <p>c. NRC Chief Examiner(*) <u>J. J. Anderson</u></p> <p>d. NRC Regional Supervisor(*) <u>R. J. Conte / G. J. Conte</u></p> <p>Date <u>5/22/00</u> <u>6/2/00</u> <u>2/17/00</u> <u>2/17/00</u></p>						
<p>Note: * The facility reviewer's signature is not applicable for NRC-developed examinations; two independent NRC reviews are required.</p> <p># See special instructions (Section E.2.c) for Items 1, 4, 5, and 6.</p> <p>[] The items in brackets do not apply to NRC-prepared examinations.</p>						

Facility: Nine Mile Point 1		Date of Exam: 7/21/2000		Exam Level: RO/SRO																										
Item Description				Initial																										
				a	b*	c#																								
1.	Questions and answers technically accurate and applicable to facility			eb pb	<i>SR</i>	<i>✓</i>																								
2.	a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available			eb pb	<i>SR</i>	<i>✓</i>																								
3.	RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401			eb pb	<i>SR</i>	<i>✓</i>																								
4.	No more than 25 questions are duplicated from [practice exams, quizzes, and] the last two NRC licensing exams; enter the actual number of duplicated questions at right	NRC 0	Other 0	eb pb	<i>SR</i>	<i>✓</i>																								
5.	[No (Less than 5 percent) question duplication from the license screening/audit exam (if independently written)]			eb pb	<i>SR</i>	<i>✓</i>																								
6.	Bank use meets limits (no more than 50 percent from the bank, at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank 0	Modified 0	New 100	eb pb	<i>SR</i>																								
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 43		C/A 57	eb pb	<i>SR</i>																								
8.	References/handouts provided do not give away answers			eb pb	<i>SR</i>	<i>✓</i>																								
9.	Question distribution meets previously approved examination outline; deviations are justified			eb pb	<i>SR</i>	<i>✓</i>																								
10.	Question psychometric quality and format meet ES, Appendix B, guidelines			eb pb	<i>SR</i>	<i>✓</i>																								
11.	The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet			eb pb	<i>SR</i>	<i>✓</i>																								
<table border="0"> <tr> <td></td> <td>Edwin W. Bowles</td> <td>Philip G. Ballard</td> <td></td> </tr> <tr> <td></td> <td colspan="2">Printed Name / Signature</td> <td>Date</td> </tr> <tr> <td>a. Author</td> <td><i>Edwin W. Bowles</i></td> <td><i>Philip G. Ballard</i></td> <td>5/22/2000</td> </tr> <tr> <td>b. Facility Reviewer(*)</td> <td><i>[Signature]</i></td> <td></td> <td>6/2/00</td> </tr> <tr> <td>c. NRC Chief Examiner(*)</td> <td><i>[Signature]</i></td> <td><i>J. D'Amico</i></td> <td>7/17/00</td> </tr> <tr> <td>d. NRC Regional Supervisor(*)</td> <td><i>R. J. Conter</i></td> <td><i>[Signature]</i></td> <td>2/27/00</td> </tr> </table>								Edwin W. Bowles	Philip G. Ballard			Printed Name / Signature		Date	a. Author	<i>Edwin W. Bowles</i>	<i>Philip G. Ballard</i>	5/22/2000	b. Facility Reviewer(*)	<i>[Signature]</i>		6/2/00	c. NRC Chief Examiner(*)	<i>[Signature]</i>	<i>J. D'Amico</i>	7/17/00	d. NRC Regional Supervisor(*)	<i>R. J. Conter</i>	<i>[Signature]</i>	2/27/00
	Edwin W. Bowles	Philip G. Ballard																												
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Facility:		Date of Exam:		Exam Level: RO/SRO		
Item Description		Initials				
		a	b	c		
1.	Answer key changes and question deletions justified and documented	EWB	AR	AR		
2.	Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	EWB	AR	AR		
3.	Grading for all borderline cases (80% +/- 2%) reviewed in detail	EWB	** AR	AR		
4.	All other failing examinations checked to ensure that grades are justified	N.A.	N.t	N.t		
5.	Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	EWB	AR	AR		

	Printed Name / Signature	Date
a. Grader	Edwin W. Bowles <i>Edwin Bowles</i>	7/26/00
b. Facility Reviewer(*)	Steve Kaph / STEVE KAPHER	8/1/00
c. NRC Chief Examiner (*)	Jim D'Antonio / J.M. D'ANTONIO	8/21/00
d. NRC Supervisor (*)	R.J. Carter / R.J. Carter	8/22/00

(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.

** No grades @ 80% +/- 2%



RECEIVED
REGION 1
NMP 95765

200 AUG 14 PM 1:38

August 11, 2000

Mr. Hubert J. Miller
Regional Administrator
Region I
United States Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406-1415

ATTENTION: Mr. Joe D'Antonio

Subject: Nine Mile Point Unit 1 Post Written Examination Activities.

Dear Mr. Miller:

The facility staff administered the initial license operator written examination to five applicants, as authorized in a letter from the NRC dated 7/17/00. The initial written examination was administered on 7/21/00 in accordance with NUREG 1021, Revision 8, as agreed to by Niagara Mohawk and the NRC Chief Examiner. The operating portion of the exam was administered during the week of 7/24/00.

Niagara Mohawk conducted the post written exam activities required by NUREG 1021, Revision 8. All required documentation was submitted to the NRC Chief Examiner on 8/3/00 with the exception of the post exam security agreement.

The post exam security agreement is enclosed with all required signatures. This completes Niagara Mohawk's responsibilities for section ES-501. Contact the Niagara Mohawk Facility Contact, Mr. Steve Reininghaus at (315) 349-4454, if you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "L. E. Pisano".

Louis E. Pisano

Manager Training – Nuclear

LEP/JAS/crr

1. Pre-Examination

7/24/2000

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 7/24/00 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 _____. 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. Edwin W. Bowles	Exam Development	<i>Edwin W. Bowles</i>	10/25/99	<i>Edwin W. Bowles</i>	7/28/2000
2. Gerald Bobka	Exam Development	<i>Gerald Bobka</i>	10/25/99	<i>Gerald Bobka</i>	7/28/00
3. PHILIP G. BALLARD	EXAM DEVELOPMENT	<i>Philip G. Ballard</i>	10/26/99	<i>Philip G. Ballard</i>	7/29/00
4. Theresa Ecke	Steno	<i>Theresa Ecke</i>	10/28/99	<i>Theresa Ecke</i>	7/28/00
5. Shannon Brown	Steno	<i>Shannon Brown</i>	10/29/99	<i>Shannon Brown</i>	8/8/2000
6. Cynthia Robert	Clerk	<i>Cynthia Robert</i>	11/9/99	<i>Cynthia Robert</i>	7/28/00
7. Richard K. Slade Jr.	ASSS / EXAM REVIEW	<i>Richard K. Slade Jr.</i>	3/10/00	<i>Richard K. Slade Jr.</i>	8/13/00
8. STEPHEN M. BROWN	CSO	<i>Stephen M. Brown</i>	3/31/00	<i>Stephen M. Brown</i>	7/28/00
9. MARK WOOD	NAOE	<i>Mark Wood</i>	3/31/00	<i>Mark Wood</i>	8/10/00
10. Stephen Evanchik	NAOE	<i>Stephen Evanchik</i>	7/31/00	<i>Stephen Evanchik</i>	8-10-00
11. Mure Petersen	UI STS	<i>Mure Petersen</i>	3/31/00	<i>Mure Petersen</i>	7/31/00
12. KEVIN MARGAN	SIM. SUPPORT	<i>Kevin Margan</i>	3/31/00	<i>Kevin Margan</i>	3/31/00
13. Albert Neveu	SIM SUPPORT	<i>Albert Neveu</i>	3/31/00	<i>Albert Neveu</i>	7/28/00
14. CHARLES LEMANSKI	SIM Support	<i>Charles Lemanski</i>	3/31/00	<i>Charles Lemanski</i>	7/31/00
15. CHRIS KRASSONSKI	SIM Support	<i>Chris Krassonski</i>	4/14/00	<i>Chris Krassonski</i>	7/31/00

NOTES:

1. Pre-Examination

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1. Steve Reininghaus	GSOT / Facility Reviewer	<i>Steve Reininghaus</i>	4/22/00	<i>Steve Reininghaus</i>	7/28/00
2. Rich Morgan	NAOE	<i>Rich Morgan</i>	5/15/00	<i>Rich Morgan</i>	8/7/00
3. THOMAS FRECHETTE	NAOE	<i>Thomas Frechette</i>	5/15/00	<i>Thomas Frechette</i>	8-7-00
4. ERIC A. KELSEY	STA	<i>Eric A. Kelsey</i>	5/15/00	<i>Eric A. Kelsey</i>	8/7/00
5. Randall S. McCoy	SRO / ASSS	<i>Randall S. McCoy</i>	5/15/00	<i>Randall S. McCoy</i>	8/7/00
6. Robert J. Brown	Instructor	<i>Robert J. Brown</i>	5/15/00	<i>Robert J. Brown</i>	7/28/2000
7. John Webers	SRO / ASSS	<i>John Webers</i>	5-16-00	<i>John Webers</i>	8-8-00
8. FRANK LUKACZAK	SRO / ASSS	<i>Frank Lukaczak</i>	5-17-00	<i>Frank Lukaczak</i>	8-9-00
9. Terry M. Dolan	SRO / RD	<i>Terry M. Dolan</i>	5-18-00	<i>Terry M. Dolan</i>	8/7/00
10. Dawn E. Kimball	SRO / RD → copy clerk	<i>Dawn E. Kimball</i>	7/18/00	<i>Dawn E. Kimball</i>	7/28/00
11. Joseph A. Stewart	Assistant Trainer	<i>Joseph A. Stewart</i>	7/25/00	<i>Joseph A. Stewart</i>	7/28/00
12. Brian Booth	OPS Manager	<i>Brian Booth</i>	7/25/00	<i>Brian Booth</i>	8/8/00
13. MARK CARPENTIER	SSS / SRO / SRO Support	<i>Mark Carpentier</i>	7/25/00	<i>Mark Carpentier</i>	7/28/00
14. Susan Bertsch	SRO / ASSS - Clerk	<i>Susan Bertsch</i>	7/25/00	<i>Susan Bertsch</i>	7-28-00
15. Peter Farsaci	SRO / ASSS	<i>P. E. Farsaci, Jr.</i>	7-25-00	<i>P. Farsaci</i>	7-28-00

NOTES:

