

Facility: NMP 1 Date of Examination: July 24

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

\* 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: Nine Mile Point Unit 1		Date of Examination: 2000		
Item	Task Description	Initials		
		a	b*	c
W R I T 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	M	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	M	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	M	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	M	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	M	B
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	EWS	M	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	M	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	M	B
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	EWS	M	B
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	EWS	M	B
	d. Check for duplication and overlap among exam sections.	EWS	AR	B
	e. Check the entire exam for balance of coverage.	EWS	M	B
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	EWS	M	B
a. Author		Printed Name / Signature		Date
b. Facility Reviewer(*)		Edwin W. Bowles		4/17/2000
c. Chief Examiner		P.H. Bissett / AR / J. Minto		5/12/2000
d. NRC Supervisor		R.J. Caste / 1 / [Signature]		7/17/00
(*) Not applicable for NRC-developed examinations.				

Facility:	Operating Test Number:	Date of Examination:
<b>1. GENERAL CRITERIA</b>		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
<b>2. WALK-THROUGH (CATEGORY A &amp; B) CRITERIA</b>		--      --      --
a. Each JPM includes the following, as applicable: <ul style="list-style-type: none"> <li>• initial conditions</li> <li>• initiating cues</li> <li>• references and tools, including associated procedures</li> <li>• validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee</li> <li>• specific performance criteria that include: <ul style="list-style-type: none"> <li>- detailed expected actions with exact criteria and nomenclature</li> <li>- system response and other examiner cues</li> <li>- statements describing important observations to be made by the applicant</li> <li>- criteria for successful completion of the task</li> <li>- identification of critical steps and their associated performance standards</li> <li>- restrictions on the sequence of steps, if applicable</li> </ul> </li> </ul>	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
<b>3. SIMULATOR (CATEGORY C) CRITERIA</b>		--      --      --
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	Edwin W. Boule / Philip G. Canaro <u>Edwin W. Boule</u> <u>Philip G. Canaro</u>	Date 5/25/00
b. Facility Reviewer(*)	<u>Steve Reinighaus</u> <u>J. D. Anderson</u>	7/12/00
c. NRC Chief Examiner (*)	<u>RT. Cante</u> <u>Greg Cante</u>	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.	ES-3 PB	M	N	
2.	The scenarios consist mostly of related events.	ES-3 PB	M	N	
3.	Each event description consists of <ul style="list-style-type: none"> <li>· the point in the scenario when it is to be initiated</li> <li>· the malfunction(s) that are entered to initiate the event</li> <li>· the symptoms/cues that will be visible to the crew</li> <li>· the expected operator actions (by shift position)</li> <li>· the event termination point (if applicable)</li> </ul>	ES-3 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.	ES-3 PB	M	N	
5.	The events are valid with regard to physics and thermodynamics.	ES-3 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.	ES-3 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)	ES-3 PB	M	N	
8.	The simulator modeling is not altered.	ES-3 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.	ES-3 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.	ES-3 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).	ES-3 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).	ES-3 PB	M	N	
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	ES-3 PB	M	N	
<b>TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)</b>		Actual Attributes	--	--	--
1.	Total malfunctions (5-8)	6 / 5 / 5 / 7	ES-3 PB	M	N
2.	Malfunctions after EOP entry (1-2)	1 / 1 / 1 / 1	ES-3 PB	M	N
3.	Abnormal events (2-4)	4 / 3 / 3 / 3	ES-3 PB	M	N
4.	Major transients (1-2)	2 / 2 / 2 / 2	ES-3 PB	M	N
5.	EOPs entered/requiring substantive actions (1-2)	2 / 2 / 2 / 2	ES-3 PB	M	N
6.	EOP contingencies requiring substantive actions (0-2)	0 / 1 / 1 / 1	ES-3 PB	M	N
7.	Critical tasks (2-3)	3 / 3 / 3 / 2	ES-3 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"> <li>· the point in the scenario when it is to be initiated</li> <li>· the malfunction(s) that are entered to initiate the event</li> <li>· the symptoms/cues that will be visible to the crew</li> <li>· the expected operator actions (by shift position)</li> <li>· the event termination point (if applicable)</li> </ul>	*	*		
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	A	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	A	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	A	NA	
8.	The simulator modeling is not altered.	EWB	A	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	A	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	A	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	A	B	
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	EWB	A	B	
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		Actual Attributes	--	--	--
1.	Total malfunctions (5-8)	6 / 5 / 5 / 7	EWB	A	B
2.	Malfunctions after EOP entry (1-2)	1 / 1 / 1 / 1	EWB	A	B
3.	Abnormal events (2-4)	4 / 3 / 3 / 3	EWB	A	B
4.	Major transients (1-2)	2 / 2 / 2 / 2	EWB	A	B
5.	EOPs entered/requiring substantive actions (1-2)	2 / 2 / 2 / 2	EWB	A	B
6.	EOP contingencies requiring substantive actions (0-2)	0 / 1 / 1 / 1	EWB	A	B
7.	Critical tasks (2-3)	2 / 3 / 2 / 2	EWB	A	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	Reactivity	1			5	
	Normal	0		1		
	Instrument	1		2		
	Component	1		3,6		
	Major	1		7	7	
SRO-I	BOP RO					
As SRO	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

*Edwin L. Bowers* *Paul G. Adams* 5/25/00

Chief Examiner:

*[Signature]*

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

*Edwin J. Bond* *Philip G. Ballard 5/25/00*

Chief Examiner:

*[Signature]*

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

Edwin W. Bane Paul G. Richard Steiner

Chief Examiner:

POA

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					
As SRO	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

Edwin W. Bond Paul G. [Signature] 5/25/00

Chief Examiner:

[Signature]

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	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. B. [unclear]* 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			
<p>Notes:</p> <p>(1) Includes Technical Specification compliance for an RO.</p> <p>(2) Optional for an SRO-U.</p> <p>(3) Only applicable to SROs.</p>								

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. Bond*  
*Paul G. Ball* starter

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	
<p>Notes:</p> <p>(1) Includes Technical Specification compliance for an RO.</p> <p>(2) Optional for an SRO-U.</p> <p>(3) Only applicable to SROs.</p>								

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. Davel*  
*Pudip G. Pallard 5/25/00*

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		
<p>Notes:</p> <p>(1) Includes Technical Specification compliance for an RO.</p> <p>(2) Optional for an SRO-U.</p> <p>(3) Only applicable to SROs.</p>								

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 B. Bane* *Paul S. Patten* 5/25/00

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*[Signature]*

Facility: Nine Mile Point 1		Date of Exam: 7/21/2000		Exam Level: RO/SRO		
Item Description	Initial			a	b*	c#
	a	b*	c#			
1. Questions and answers technically accurate and applicable to facility	eb	AR	#			
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available	eb	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	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	Other	eb	AR	#
		0	0			
5. [No (Less than 5 percent) question duplication from the license screening/audit exam (if independently written)]	eb	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	Modified	New	eb	M
		0	0	100		
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		eb	AR
		41	59			
8. References/handouts provided do not give away answers	eb	M	#			
9. Question distribution meets previously approved examination outline; deviations are justified	eb	M	#			
10. Question psychometric quality and format meet ES, Appendix B, guidelines	eb	M	#			
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	eb	M	#			
PHILIP G. BALLARD Printed Name / Signature				Edwin W. Bowles Signature		Date
a. Author	Philip G. Ballard / Edwin W. Bowles				5/22/00	
b. Facility Reviewer(*)	Steve Reimlinghaus				6/2/00	
c. NRC Chief Examiner(*)	J. J. ANTONIO				2/17/00	
d. NRC Regional Supervisor(*)	R. J. Conter / [Signature]				2/17/00	
Note: * The facility reviewer's signature is not applicable for NRC-developed examinations; two independent NRC reviews are required. # See special instructions (Section E.2.c) for Items 1, 4, 5, and 6. [] The items in brackets do not apply to NRC-prepared examinations.						

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>MP</i>	<i>J</i>
2.	a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available			eb pb	<i>MP</i>	<i>J</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>MP</i>	<i>J</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	Other	eb pb	<i>MP</i>	<i>J</i>
		0	0			
5.	[No (Less than 5 percent) question duplication from the license screening/audit exam (if independently written)]			eb pb	<i>MP</i>	<i>J</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	Modified	eb pb	<i>MP</i>	<i>J</i>
		0	0			
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		eb pb	<i>MP</i>	<i>J</i>
		C/A				
		43	57			
8.	References/handouts provided do not give away answers			eb pb	<i>MP</i>	<i>J</i>
9.	Question distribution meets previously approved examination outline; deviations are justified			eb pb	<i>MP</i>	<i>J</i>
10.	Question psychometric quality and format meet ES, Appendix B, guidelines			eb pb	<i>MP</i>	<i>J</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>MP</i>	<i>J</i>
		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>		<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>[Signature]</i>		<i>[Signature]</i>		2/17/00	
<p>Note: * The facility reviewer's signature is not applicable for NRC-developed examinations; two independent NRC reviews are required. # See special instructions (Section E.2.c) for Items 1, 4, 5, and 6. [ ] The items in brackets do not apply to NRC-prepared examinations.</p>						

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 W. Bowles</i>		7/26/00
b.	Facility Reviewer(*)			Steve Kaph / STEVE REVEREN		8/1/00
c.	NRC Chief Examiner (*)			J.M. D'AMONDO		8/21/00
d.	NRC Supervisor (*)			R.J. Carter / <i>R.J. Carter</i>		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%

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.

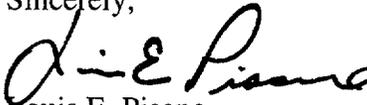
Dear Mr. Miller:

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,



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 ~~2/14/00~~ <sup>EWB</sup> 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>	7/28/00
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	CGO	<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. Murec Petersen	UI STS	<i>Murec Petersen</i>	3/31/00	<i>Murec 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 KRASSOWSKI	SIM SUPPORT	<i>Chris Krassowski</i>	4/14/00	<i>Chris Krassowski</i>	7/31/00

NOTES:

1. Pre-Examination

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.

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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. FRAN LUKACZNIK	SEO / SSS	<i>Fran Lukacznik</i>	5-17-00	<i>Fran Lukacznik</i>	8-9-00
9. Terry M. Dolan	CSOT / RD	<i>Terry M. Dolan</i>	5-18-00	<i>Terry M. Dolan</i>	8/7/00
10. Dale E. Kimball	<del>CSOT / RD</del> → copy clerk	<i>Dale E. Kimball</i>	7/18/00	<i>Dale E. Kimball</i>	7/28/00
11. Joseph A. Stewart	Stewart Trainer	<i>Joseph A. Stewart</i>	7/25/00	<i>Joseph A. Stewart</i>	7/28/00
12. Brian Booth	<del>CSOT / RD</del> ops manager	<i>Brian Booth</i>	7/25/00	<i>Brian Booth</i>	8/8/00
13. MARK CARPENTIER	SSS / <del>CSOT / RD</del> sim support	<i>Mark Carpentier</i>	7/25/00	<i>Mark Carpentier</i>	7/28/00
14. Susan Bertsch	<del>SRO / ASSS</del> - 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:

