

Facility: <u>BVI</u>		Date of Examination: <u>11/9-21/07</u>
Developed by: Written - Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/> // Operating - Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/>		
Target Date*	Task Description (Reference)	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a and b)	TF
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	TF
-120	3. Facility contact briefed on security and other requirements (C.2.c)	TF
-120	4. Corporate notification letter sent (C.2.d)	TF
[-90]	[5. Reference material due (C.1.e; C.3.c; Attachment 2)]	NA
{-75}	6. Integrated examination outline(s) due, including Forms ES-201-2, ES-201-3, ES-301-1, ES-301-2, ES-301-5, ES-D-1's, ES-401-1/2, ES-401-3, and ES-401-4, as applicable (C.1.e and f; C.3.d)	TF
{-70}	{7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)}	TF
{-45}	8. Proposed examinations (including written, walk-through JPMs, and scenarios, as applicable), supporting documentation (including Forms ES-301-3, ES-301-4, ES-301-5, ES-301-6, and ES-401-6, and any Form ES-201-3 updates), and reference materials due (C.1.e, f, g and h; C.3.d)	TF
-30	9. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202)	TF
-14	10. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202)	TF
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	TF
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)	TF
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	TF
-7	14. Final applications reviewed; 1 or 2 (if > 10) applications audited to confirm qualifications / eligibility; and examination approval and waiver letters sent (C.2.i; Attachment 4; ES-202, C.2.e; ES-204)	TF
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k)	TF
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	TF
<p>* Target dates are generally based on facility-prepared examinations and are keyed to the examination date identified in the corporate notification letter. They are for planning purposes and may be adjusted on a case-by-case basis in coordination with the facility licensee.</p> <p>[Applies only] {Does not apply} to examinations prepared by the NRC.</p>		

Facility: BVPS		Date of Examination: 11/12/2007		Rev 0
Item	Task Description	Initials		
		a	b*	c#
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	RJB	RB	TF
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 and whether all K/A categories are appropriately sampled.	RJB	RB	TF
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	RJB	RB	TF
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	RJB	RB	TF
2. S I M	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, technical specifications and major transients.	RJB	RB	TF
	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; and ensure that each applicant can be tested using at least one new or significantly modified scenario, that no scenarios are duplicated from the applicant's audit test(s), and scenarios will not be repeated on subsequent days.	RJB	RB	TF
	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.	RJB	RB	TF
3. W / T	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form. (2) task repetition from the last two NRC examinations is within the limits specified on the form. (3) no tasks are duplicated from the applicant's audit test(s). (4) the number of new or modified tasks meets or exceeds the minimums specified on the form. (5) the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form.	RJB	RB	TF X
	b. Verify that the administrative outline meets the criteria specified on Form ES-301-1: (1) the tasks are distributed among the topics as specified on the form. (2) at least one task is new or significantly modified. (3) no more than one task is repeated from the last two NRC licensing examinations.	RJB	RB	TF
	c. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	RJB	RB	TF
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	RJB	RB	TF
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	RJB	RB	TF
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	RJB	RB	TF
	d. Check for duplication and overlap among exam sections.	RJB	RB	TF
	e. Check the entire exam for balance of coverage.	RJB	RB	TF
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	RJB	RB	TF
a. Author <i>CO-Author</i> <u>Richard J. Brooks / RJB</u>		Printed Name / Signature		Date
b. Facility Reviewer (*) <u>BRIAN T. TUITE</u>		Date		8/28/07
c. NRC Chief Examiner (#) <u>TODD FISH</u>		Date		9/14/07
d. NRC Supervisor <u>MARVIN SYKES</u>		Date		9/19/07
Note: # Independent NRC reviewer initial items in Column "c", chief examiner concurrence required.				

\* SRO(v) outline modified to eliminate one I/P JPM = Outline has six JPMs; duplicates Safety Function 45; and no Control Room ESF.

1. Pre-Examination

BEAVER VALLEY

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 11/12/07 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 11/12/07. 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. Richard J. Brooks	Exam Lead	<i>Richard J. Brooks</i>	6/27/07	<i>RJ Brooks</i>	11/19/07
2. Russell C ERNFELD	TEAM MEMBER-Simulator	<i>Russell C. Ernfeld</i>	7/16/07	<i>Russell C. Ernfeld</i>	11/19/07
3. Hugh E Brunner	Sim Support	<i>Hugh E Brunner</i>	7-30-07	<i>Hugh E Brunner</i>	11/27/07
4. William D. Koester	Sim Support	<i>William D. Koester</i>	7-28-07	<i>William D. Koester</i>	11/21/07
5. BRIAN T TUITE	SITE TRAINING MGR	<i>Brian T. Tuite</i>	8-28-07	<i>Brian T. Tuite</i>	1-27-07
6. Christopher P. HYNES	SHIFT MANAGER	<i>Christopher P. Hynes</i>	9-1-07	<i>Christopher P. Hynes</i>	11/26/07
7. David L Sharbaugh	Unit Supervisor	<i>David L. Sharbaugh</i>	9/4/07	<i>David L. Sharbaugh</i>	11/26/07
8. WILLIAM BLAZIER	REACTOR OPERATOR	<i>William Blazier</i>	9-4-7	<i>Blazier</i>	11-26-7
9. Rich Vidra	Reactor Operator	<i>Rich Vidra</i>	9-4-7	<i>Rich Vidra</i>	12/3/07
10. Casandra M Washington	Sim Software Support	<i>Casandra M. Washington</i>	9/4/7	<i>Casandra M. Washington</i>	11/19/07
11. Marina C Jones	NRC Tr. Unit	<i>Marina C. Jones</i>	9/10/07	<i>Marina C. Jones</i>	11/19/07
12. Edward McFarland	Instructor / Sim Support Lead	<i>Edward McFarland</i>	9/5/07	<i>Edward McFarland</i>	11/16/07
13. Richard F Gudiere	Engineer	<i>Richard F. Gudiere</i>	9/5/7	<i>Richard F. Gudiere</i>	11/21/07
14. BERNARD F. HEIGL	REACTOR OPERATOR/VALVESTOR	<i>Bernard F. Heigl</i>	9-10-7	<i>Bernard F. Heigl</i>	11-28-7
15. PAUL EISENMANN	Instructor / EXAM TEAM	<i>Paul E. Eisenmann</i>	9/17/07	<i>Paul E. Eisenmann</i>	11/19/07

NOTES: ① via telecon

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2. Post-Examination

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1. Louis Glumac	Reactor Operator	<i>Louis Glumac</i>	9-18-07	<i>John Shaw</i>	11/26/07
2. Andrew Hewitt	Shift Manager / Validator	<i>Andrew Hewitt</i>	9-20-07	<i>John Shaw</i> FOR A. Hewitt	11/27/07 (1)
3. John F. Metts	Unit Supervisor	<i>John F. Metts</i>	9-21-07	<i>John F. Metts</i>	11/26/07
4. Donna J. Hundenski	Intermediate Clerk	<i>Donna J. Hundenski</i>	10-2-07	<i>Donna J. Hundenski</i>	11/19/07
5. Keith Pistorius	Reactor Operator	<i>Keith Pistorius</i>	10-16-07	<i>John Shaw</i> FOR K. Pistorius	12/2/07 (1)
6. SEUE DENNIS	DEVELOPER / REVIEWER	<i>Seue Dennis</i>	10-17-07	<i>John Shaw</i> FOR S. DENNIS	11/26/07 (1)
7. Thomas A Goydosik	Exam Proctor	<i>Thomas A Goydosik</i>	11-8-07	<i>Thomas A Goydosik</i>	11/19/07
8. Greg Palke	Exam Proctor	<i>Greg Palke</i>	11/8/07	<i>Greg Palke</i>	11/28/07
9. TAN FORBES	Exam Proctor	<i>Tan Forbes</i>	11/9/07	<i>Tan Forbes</i>	11/19/07
10. KARLA TRULLETT	Sim Support INSTRUCTOR	<i>Karla Trulllett</i>	11/9/07	<i>Karla Trulllett</i>	11/20/07
11. ROBERT J. DRUGA	EXAM PROCTOR	<i>Robert Druga</i>	11/12/07	<i>Robert Druga</i>	11/19/07
12. WAYNE A. HENRICH	EXAM PROCTOR	<i>Wayne A. Henrich</i>	11/12/07	<i>Wayne A. Henrich</i>	11/19/07
13. Thomas G. Holt	Exam Proctor	<i>Thomas G. Holt</i>	11/12/07	<i>Thomas G. Holt</i>	11/27/07
14. John D. Wilson	Exam Proctor	<i>John D. Wilson</i>	11-12-07	<i>John D. Wilson</i>	11-26-07
15. Mike Mouser	Operations Mgr.	<i>Mike Mouser</i>	11-15-07	<i>Mike Mouser</i>	11-27-07

NOTES: (1) VIA TELECON

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 11/12/07 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 (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback. Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	JOSEPH ARSENAULT	Developer	<i>Joseph Arsenault</i>	5/8/07	<i>Joseph Arsenault</i>	11/20/07	
2.							
3.							
4.							
5.							
6.							
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9.							
10.							
11.							
12.							
13.							
14.							
15.							

NOTES:

Facility: BVPS-1	Date of Examination: 11/12/2007	Operating Test Number: NRC
<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).	JMA	JB / TF
b. There is no day-to-day repetition between this and other operating tests to be administered during this examination.	JMA	JB / TF
c. The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).	JMA	JB / TF
d. Overlap with the written examination and between different parts of the operating test is within acceptable limits.	JMA	JB / TF
e. It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	JMA	JB / TF
<b>2. WALK-THROUGH 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>* reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time-critical by the facility licensee</li> <li>* operationally important 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>	JMA	JB / TF
b. Ensure that any changes from the previously approved systems and administrative walk-through outlines (Forms ES-301-1 and 2) have not caused the test to deviate from any of the acceptance criteria (e.g., item distribution, bank use, repetition from the last 2 NRC examinations) specified on those forms and Form ES-201-2.	JMA	JB / TF
<b>3. SIMULATOR CRITERIA</b>		-      -      -
The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.		JMA      JB      TF
	Printed Name / Signature	Date
a. Author	Joseph G. Arsenault <i>Joseph G. Arsenault</i>	10/18/2007
b. Facility Reviewer (*)	BRIAN T. TUITE <i>Brian T. Tuite</i>	10-25-07
c. NRC Chief Examiner (#)	TODD FISH <i>Todd Fish</i>	11/2/07
d. NRC Supervisor	MARVIN D. SYKES <i>Marvin D. Sykes</i>	11/5/07
NOTE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.		

Facility: BVPS-1 Date of Exam: 11/12/2007 Scenario Numbers: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50 Operating Test No.: NRC

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.	Pass	Pass	TF			
2.	The scenarios consist mostly of related events	Pass	Pass	TF			
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>	Pass	Pass	TF			
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.	Pass	Pass	TF			
5.	The events are valid with regard to physics and thermodynamics.	Pass	Pass	TF			
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	Pass	Pass	TF			
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.	Pass	Pass	TF			
8.	The simulator modeling is not altered.	Pass	Pass	TF			
9.	The scenarios have been validated. Pursuant to 10 CFR 55.46(d), any open simulator performance deficiencies or deviations from the referenced plant have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.	Pass	Pass	TF			
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.5 of ES-301.	Pass	Pass	TF			
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	Pass	Pass	TF			
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).	Pass	Pass	TF			
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	Pass	Pass	TF			
Target Quantitative Attributes (Per Scenario; See Section D.5.d)				Actual Attributes			
				1	2	3	
1.	Total malfunctions (5-8)	7	7	6	Pass	Pass	TF
2.	Malfunctions after EOP entry (1-2)	2	3	2	Pass	Pass	TF
3.	Abnormal events (2-4)	4	3	3	Pass	Pass	TF
4.	Major transients (1-2)	1	1	1	Pass	Pass	TF
5.	EOPs entered/requiring substantive actions (1-2)	1	1	1	Pass	Pass	TF
6.	EOP contingencies requiring substantive actions (0-2)	0	1	1	Pass	Pass	TF
7.	Critical tasks (2-3)	2	3	2	Pass	Pass	TF

Facility:		BVPS-1		Date of Exam:		11/12/2007		Operating Test No.:		NRC							
A P P L I C A N T	E V E N T  T Y P E	Scenarios															
		1			2			3			4			T O T A L	M I N I M U M  M(*)		
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	R	I	U	
SROU-1	RX												0	1	1	0	
	NOR	1						1					2	1	1	1	
	I/C	23 45						23 5					7	4	4	2	
	MAJ	6						6					2	2	2	1	
	TS	24 5						23 4					6	0	2	2	
SROU-2	RX												0	1	1	0	
	NOR	1						1					2	1	1	1	
	I/C	23 45						23 5					7	4	4	2	
	MAJ	6						6					2	2	2	1	
	TS	24 5						23 4					6	0	2	2	
SROI-1	RX		1										1	1	1	0	
	NOR							1					1	1	1	1	
	I/C		45 7					23 5					6	4	4	2	
	MAJ		6					6					2	2	2	1	
	TS							23 4					3	0	2	2	
SROI-2	RX		1										1	1	1	0	
	NOR							1					1	1	1	1	
	I/C		45 7					23 5					6	4	4	2	
	MAJ		6					6					2	2	2	1	
	TS							23 4					3	0	2	2	

Facility:		BVPS-1		Date of Exam:		11/12/2007		Operating Test No.:		NRC							
A P P L I C A N T	E V E N T  T Y P E	Scenarios															
		1			2			3			4			T O T A L	M I N I M U M (*)		
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	R	I	U	
SROI-3	RX							1					1	1	1	0	
	NOR	1			2								2	1	1	1	
	I/C	23 45			34 5			23 7					10	4	4	2	
	MAJ	6			6			6					3	2	2	1	
	TS	24 5			13								5	0	2	2	
SROI-4	RX		1										1	1	1	0	
	NOR				2			1					2	1	1	1	
	I/C		45 7		38 9			23 5					9	4	4	2	
	MAJ		6		6			6					3	2	2	1	
	TS							23 4					3	0	2	2	
SROI-5	RX							1					1	1	1	0	
	NOR	1			2								2	1	1	1	
	I/C	23 45			34 5			23 7					10	4	4	2	
	MAJ	6			6			6					3	2	2	1	
	TS	24 5			13								5	0	2	2	
SROI-6	RX		1										1	1	1	0	
	NOR				2			1					2	1	1	1	
	I/C		45 7		38 9			23 5					9	4	4	2	
	MAJ		6		6			6					3	2	2	1	
	TS							23 4					3	0	2	2	

Facility:		BVPS-1		Date of Exam:		11/12/2007		Operating Test No.:		NRC							
A P P L I C A N T	E V E N T  T Y P E	Scenarios															
		1			2			3			4			T O T A L	M I N I M U M (*)		
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P		R	I	U
RO-1	RX								1					1	1	1	0
	NOR			1										1	1	1	1
	I/C			23 8					23 7					6	4	4	2
	MAJ			6					6					2	2	2	1
	TS													0	0	2	2
RO-2	RX								1					1	1	1	0
	NOR			1										1	1	1	1
	I/C			23 8					23 7					6	4	4	2
	MAJ			6					6					2	2	2	1
	TS													0	0	2	2
RO-3	RX					2								1	1	1	0
	NOR			1						1				2	1	1	1
	I/C			23 8		45 7				35 8				9	4	4	2
	MAJ			6		6				6				3	2	2	1
	TS													0	0	2	2
RO-4	RX					2								1	1	1	0
	NOR			1						1				2	1	1	1
	I/C			23 8		45 7				35 8				9	4	4	2
	MAJ			6		6				6				3	2	2	1
	TS													0	0	2	2

**Instructions:**

1. Circle the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must service in both the "at-the-controls (ATC)" and "balance-of-plant (BOP)" positions; Instant SROs must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position.
2. Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (\*) Reactivity and normal evolutions may be replaced with additional instrument or component malfunctions on a 1-for-1 basis.
3. Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.

Attributes were only counted for positions required. For instance, SROU-1, SROI-3, and SROI-5 will perform BOP (PO) duties for scenario 2; not credited. SROI-1, SROI-2, and SROI-6 will perform duties of BOP (PO) for scenario 3; also not credited.

Facility: BVPS-1		Date of Examination: 11/12/2007		Operating Test No.: NRC											
Competencies	APPLICANTS														
	SRO					ATC					BOP				
	SCENARIO					SCENARIO					SCENARIO				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Interpret/Diagnose Events and Conditions	2-8	3, 4-9	2-4 6-8			45 67	45 7	23 67			23 68	36 89	35 68		
Comply With and Use Procedures (1)	1-8	2-9	1-8			1, 4-7	24 57	12 36 78			12 36 8	23 68 9	13 56 8		
Operate Control Boards (2)	NA	NA	NA			1 4-7	24 57	12 36 7			12 36 8	23 68 9	13 56 8		
Communicate and Interact	1-8	2-9	1-8			1 4-7	24 57	12 36 78			12 36 8	23 68 9	13 56 8		
Demonstrate Supervisory Ability (3)	1-8	2-9	1-8			NA	NA	NA			NA	NA	NA		
Comply With and Use Tech. Specs. (3)	2,4 5	1,3	2,3 4			NA	NA	NA			NA	NA	NA		
<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 applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.*

Facility:	BVPS-1	Date of Exam:	11/12/2007	Exam Level:	RO/SRO		
Item Description				Initial			
				a	b*	c#	
1.	Questions and answers technically accurate and applicable to facility.			JGA	PJ	TF	
2.	a. NRC K/As referenced for all questions. b. Facility learning objectives referenced as available.			JGA	PJ	TF	
3.	SRO questions are appropriate in accordance with Section D.2.d of ES-401			JGA	PJ	TF	
4.	The sampling process was random and systematic. (If more than 4 RO and 2 SRO questions were repeated from the last 2 NRC licensing exams, consult the NRR OL Program Office)			JGA	PJ	TF	
5.	Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input 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 checked="" type="checkbox"/> the licensee certifies that there is no duplication, or <input type="checkbox"/> other (explain)			JGA	PJ	TF	
6.	Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the rest new or modified); enter the actual RO / SRO-only question distribution(s) at right.	Bank	Modified	New	JGA	PJ	TF
		41 / 13	6 / 0	28/12			
7.	Between 50 and 60 percent of the question on the RO exam are written at the comprehension/analysis level; the SRO exam may exceed 60 percent if the randomly selected K/As support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right	Memory	CIA		JGA	PJ	TF
		30 / 5	45 / 20				
8.	References/handouts provided do not give away answers or aid in the elimination of distractors.			JGA	PJ	TF	
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.			JGA	PJ	TF	
10.	Question psychometric quality and format meet the guidelines in ES Appendix B.			JGA	PJ	TF	
11.	The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet.			JGA	PJ	TF	
		Printed Name / Signature		Date			
a.	Author	Joseph G. Arsenault <i>Joseph G. Arsenault</i>		10/17/2007			
b.	Facility Reviewer (*)	BRIAN T. TOITE <i>Brian T. Toite</i>		10-25-07			
c.	NRC Chief Examiner (#)	TODD FISH <i>Todd Fish</i>		11/2/07			
d.	NRC Regional Supervisor	MARVIN D. SYKES <i>Marvin D. Sykes</i>		11/5/07			
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>BV-1</u>		Date of Exam: <u>11/9/07</u>		Exam Level: RO <input checked="" type="checkbox"/> SRO <input checked="" type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	<u>RJB</u>	<u>BS</u>	<u>TF</u>		
2. Answer key changes and question deletions justified and documented	<u>RJB</u> <sup>①</sup>	<u>BS</u>	<u>TF</u>		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<u>RJB</u>	<u>BS</u>	<u>TF</u> <del>BS</del>		
4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail	<u>RJB</u>	<u>BS</u>	<u>TF</u> <del>BS</del>		
5. All other failing examinations checked to ensure that grades are justified	<u>RJB</u>	<u>BS</u>	<u>TF</u> <del>BS</del>		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	<u>RJB</u>	<u>BS</u>	<u>TF</u>		
Printed Name/Signature		Date			
a. Grader	<u>Richard J. Brooks / [Signature]</u>	<u>11/27/07</u>			
b. Facility Reviewer(*)	<u>Brian T. Tuite / [Signature]</u> <u>David SILK / [Signature]</u>	<u>1-28-07</u> <u>12/4/07</u>			
c. NRC Chief Examiner (*)	<u>TODD FISH / [Signature]</u>	<u>12/3/07</u>			
d. NRC Supervisor (*)	<u>MARVIN D. SYKES / [Signature]</u>	<u>12/7/07</u>			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

① see attached Requested Changes for Q 41593