

Operations Branch Assignment Check Sheet:
(Includes ES-201-1 & ES-501-1 Rev. 8, Supplement 1 information)

as of: 10/21/2002

Chief: G. JOHNSTON

Facility/Task: DC IN EX

Task Start Date: 10/21/2002

ITEM DESCRIPTION		DUE DATE	INIT	DATE
0	Exam/Inspection Schedule Agreement (C.1.a;C.2.a&b)	Apr 24, 2002	ATG	10/15/2001
1	NRC Staff & Fac. Contact Assigned (C.1.c;C.2.e)	Apr 24, 2002	ATG	10/15/2001
2	Facility contact briefed on security & other issues (C.2.c)	Apr 24, 2002	GWJ	2/2002
3	Corp. Notification Letter Sent (C.2.d) (Exams only)	Apr 24, 2002	GWJ	7/2/02
3a	Inspection Announcement Letter Sent (PIR & LORT if req'd)	Sep 6, 2002	N/A	_____
4	Task Expectations, Issues, & Standards Discussed w/ BC	Jul 23, 2002	GWJ	-----
5#	[Reference Material Due (C.1.d;C.3.c)]	Jun 23, 2002	GWJ	7/28/02
6#	Integrated Exam Outlines Due (C.1.d&e;C.3.d)	Jun 23, 2002	GWJ	7/28/02
7#	Outlines reviewed by NRC & Feedback Sent (c.2.h;C.3.e)	Jul 7, 2002	GWJ	7/28/02
8#	Preliminary Applications Due (C.1.j;C.2.g;ES202)	Sep 21, 2002	GWJ	8/02
9#	Draft Exams w/ Doc./Ref. Due (C.1.d/e/f;C.3.d)	Aug 22, 2002	GWJ	7/28/02
10#	Peer Reviewer Initials As Reviewed All Parts*	Sep 1, 2002	GWJ	10/21/02
11#	NRC Supervisor. Initials Approving for Fac. Rev. (C.2.h;C.3.f)*	Sep 1, 2002	AI	10/21/02
12#	Exams Reviewed w/ Fac. (C.1.h;C.2.f&h;C.3.g)	Sep 1, 2002	GWJ	10/4/02
13#	Final Appl. Due & Assign. Sheet Prepared (C.1.j;C.2.h;ES202)	Oct 7, 2002	GWJ	9/25/02
14#	NRC Supervisor Approved Final Exams (C.2.i;C.3.h)*	Oct 14, 2002	AI	10/22/02
15#	Final Appl. Rec'd & Waivers Sent (C.2.g)	Oct 14, 2002	GWJ	9/25/02
16#	Proctor Rules Reviewed w/ Fac. & Written Authorized (C.3.k)	Oct 14, 2002	GWJ	10/21/02
17	Exam/Insp Material to Team (C.3.i)	Oct 14, 2002	GWJ	10/14/02
18#	Fac. graded exam & Comments Rec'd	Nov 2, 2002	BJ	11/1/02
19#	NRC Written Grading Completed	Nov 5, 2002	BJ	11/5/02
20#	Examiners Finished Grading Op. Tests	Nov 5, 2002	BJ	11/6/02
21#	NRC Ch. Ex. Review Completed	Nov 15, 2002	BJ	11/6/02
22	NRC BC Review Completed*	Nov 16, 2002	AI	11/7/02
23#	RPS/IP # Examinees Updated Before Report Issued	Nov 21, 2002	AI	2/20/03
24	License/Denials Signed & Report Issued	Nov 21, 2002	BJ	11/20/03
25	Package Closed Out	Dec 12, 2002	BJ	2/24/03
Final Inspection Report Issued, Exam Package to OLA, Facility. Contact Notified of Results				

Not required for inspections, except as noted.

* Note Supervisor/Peer initials required.

[] Required NRC-auth. exams only.

When complete, for exams, add to pkg & fwd copy to BC, for insp, fwd orig'l to BC.

Last revised 10/15/01

S:\DRS\OB\EXAMS\dc\October 2002 Exam\exam assignment sheet.wpd

Facility:		Date of Examination:		
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.	DB	DB	DB
	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.	DB	DB	DB
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	DB	DB	DB
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	DB	DB	DB
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, and major transients.	DB	DB	DB
	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.	DB	DB	DB
	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.	DB	DB	DB
3. W /	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.	DB	DB	DB
	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.	DB	DB	DB
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	DB	DB	DB
	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.	DB	DB	DB
	e. Check the entire exam for balance of coverage.	DB	DB	DB
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.	DB	DB	DB
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	DB	DB	DB
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	DB	DB	DB
	d. Check for duplication and overlap among exam sections.	DB	DB	DB
	e. Check the entire exam for balance of coverage.	DB	DB	DB
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	DB	DB	DB
a. Author <u>Don Bearden / Don Bearden</u> Printed Name / Signature <u>Don Bearden</u> Date <u>7/28/02</u>				
b. Facility Reviewer (*) <u>David Burns / David Burns</u> Date <u>7/28/02</u>				
c. NRC Chief Examiner (#) <u>Gayle Blute / Gayle Blute</u> Date <u>7/28/02</u>				
d. NRC Supervisor <u>A.T. Gody / A.T. Gody</u> Date <u>10/21/02</u>				
Note: * Not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.				

ES-401

Written Examination
Quality Checklist

Form ES-401-7

Facility: <u>Diablo Canyon Power Plant</u>		Date of Exam: <u>10/25/02</u>		Exam Level: <u>RO/SRO</u>						
Item Description		Initial								
		a	b*	c*						
1. Questions and answers technically accurate and applicable to facility		DAB	DS	rw						
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available		DAB	DS	rw						
3. RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401		DAB	DS	rw						
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process				rw						
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 checked="" type="checkbox"/> the examinations were developed independently; or <input type="checkbox"/> the licensee certifies that there is no duplication; or <input type="checkbox"/> other (explain)		DAB	DS	rw						
6. Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the rest modified); enter the actual question distribution at right	<table border="1"> <tr> <th>Bank</th> <th>Modified</th> <th>New</th> </tr> <tr> <td>75</td> <td>3</td> <td>22</td> </tr> </table>	Bank	Modified	New	75	3	22	DAB	DS	rw
Bank	Modified	New								
75	3	22								
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	<table border="1"> <tr> <th>Memory</th> <th>C/A</th> </tr> <tr> <td>40</td> <td>60</td> </tr> </table>	Memory	C/A	40	60	DAB	DS	rw		
Memory	C/A									
40	60									
8. References/handouts provided do not give away answers		DAB	DS	rw						
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		DAB	DS	rw						
10. Question psychometric quality and format meet ES, Appendix B, guidelines		DAB	DS	rw						
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet		DAB	DS	rw						
Printed Name / Signature a. Author <u>Don Bearden / Don Bearden</u> b. Facility Reviewer (*) <u>David Brown / David Brown</u> c. NRC Chief Examiner (#) <u>A. T. Gony / A. T. Gony</u> d. NRC Regional Supervisor <u>W. Johnson / W. Johnson</u>		Date <u>10/21/02</u> <u>10/21/02</u> <u>10/21/02</u> <u>10/21/02</u>								
Note: * The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c;" chief examiner concurrence required.										

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1. Questions and answers technically accurate and applicable to facility				DAB	DS	Thom
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	67	4	29	DAB	DS	Thom
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				
	41	59		DAB	DS	Thom
8. References/handouts provided do not give away answers				DAB	DS	Thom
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				DAB	DS	Thom
10. Question psychometric quality and format meet ES, Appendix B, guidelines				DAB	DS	Thom
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet				DAB	DS	Thom
Printed Name / Signature				Date		
a. Author	<u>Don Bearden / Don Bearden</u>			<u>10/21/02</u>		
b. Facility Reviewer (*)	<u>David B. Jones / David B. Jones</u>			<u>10/21/02</u>		
c. NRC Chief Examiner (#)	<u>Gay W. Johnston / Gay W. Johnston</u>			<u>10/21/02</u>		
d. NRC Regional Supervisor	<u>A.T. Gody / A.T. Gody</u>			<u>10/21/02</u>		
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ES-401

Written Examination
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See Pink Preliminary

ES-401

Written Examination
Quality Checklist

Form ES-401-7

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6. Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank 66	Modified 4	New 30		
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			
8. References/handouts provided do not give away answers	DAB				
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	DAB				
10. Question psychometric quality and format meet ES, Appendix B, guidelines	DAB				
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	DAB	N/A	N/A		
Printed Name / Signature a. Author <u>DON BEARDEN / Don Bearden</u> b. Facility Reviewer (*) <u>Preliminary Review Guy</u> c. NRC Chief Examiner (#) <u></u> d. NRC Regional Supervisor <u></u>					
Date <u>7/28/02</u> <u>N/A</u>					
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See Ref. Preliminary

Facility: <u>Diablo Canyon P. P.</u>		Date of Exam: <u>10/25/02</u>		Exam Level: <u>RO/SRO</u>																																					
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See p. 1

Facility: <u>Diablo Canyon P.P.</u>		Date of Exam: <u>10/25/02</u>		Exam Level: <u>RO/SRO</u>	
Item Description	Initial				
	a	b*	c#		
1. Questions and answers technically accurate and applicable to facility	<u>DAB</u>	<u>DB</u>			
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available	<u>DAB</u>	<u>DB</u>			
3. RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401	<u>DAB</u>	<u>DB</u>			
4. Question selection and duplication from the last two NRC licensing exams appears consistent with a systematic sampling process					
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 checked="" type="checkbox"/> the examinations were developed independently; or <input type="checkbox"/> other (explain)	<u>DAB</u>	<u>DB</u>			
6. Bank use meets limits (no more than 75 percent from the bank at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank <u>67</u>	Modified <u>4</u>	New <u>29</u>		
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 <u>41</u>	C/A <u>59</u>			
8. References/handouts provided do not give away answers	<u>DAB</u>	<u>DB</u>			
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	<u>DAB</u>	<u>DB</u>			
10. Question psychometric quality and format meet ES, Appendix B, guidelines	<u>DAB</u>	<u>DB</u>			
11. The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet	<u>DAB</u>	<u>DB</u>	<u>NK</u>		
Printed Name / Signature a. Author <u>DON BEARDEN / Don Bearden</u> b. Facility Reviewer (*) <u>DAN BURNS / Dan Burns</u> c. NRC Chief Examiner (#) <u>Secondary Review</u> d. NRC Regional Supervisor _____					
Date: <u>9/3/02</u> <u>9/3/02</u>					
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See Pink

Facility: DCPP		Date of Examination: 10/21/2002		Operating Test Number: 1 and 2	
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).	JB	DB	JB	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	JB	DB	JB	
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).	JB	DB	JB	
d.	Overlap with the written examination and between operating test categories is within acceptable limits.	JB	DB	JB	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	JB	DB	JB	
2. WALK-THROUGH (CATEGORY A & B) CRITERIA			--	--	--
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> initial conditions initiating cues references and tools, including associated procedures reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee specific performance criteria that include: <ul style="list-style-type: none"> detailed expected actions with exact criteria and nomenclature system response and other examiner cues statements describing important observations to be made by the applicant criteria for successful completion of the task identification of critical steps and their associated performance standards restrictions on the sequence of steps, if applicable 	JB	DB	JB	
b.	The prescribed questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.	JB	DB	JB	
c.	Repetition from operating tests used during the previous licensing examination is within acceptable limits (30% for the walkthrough) and do not compromise test integrity.	JB	DB	JB	
d.	At least 20 percent of the JPMs on each test are new or significantly modified.	JB	DB	JB	
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.	JB	DB	JB	
a. Author		Printed Name / Signature <u>Jack Blackwell / Jack Blackwell</u>		Date <u>05/27/2002</u>	
b. Facility Reviewer(*)		<u>DAVID BURNS / David Burns</u>		<u>8/27/2002</u>	
c. NRC Chief Examiner (#)		<u>Bill J. Jank</u>		<u>9/3/02</u>	
d. NRC Supervisor		<u>A.T. GORDY / AT Gordy</u>		<u>10/2/02</u>	
NOTE: * The facility signature is not applicable for NRG developed tests # Independent NRC reviewer initial in Column "c;" chief examiner concurrence required.					

Facility: DCPP		Date of Exam: 10/21/2002		Scenario Numbers: 1 / 2 / BU		Operating Test No.: 1	
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.			PS	DB	SL	
2.	The scenarios consist mostly of related events.			PS	DB	SL	
3.	Each event description consists of . 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)			PS	DB	SL	
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.			PS	DB	SL	
5.	The events are valid with regard to physics and thermodynamics.			PS	DB	SL	
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.			PS	DB	SL	
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.			PS	DB	SL	
8.	The simulator modeling is not altered.			PS	DB	SL	
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.			PS	DB	SL	
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.			PS	DB	SL	
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).			PS	DB	SL	
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).			PS	DB	SL	
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.			PS	DB	SL	
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)				Actual Attributes			
1.	Total malfunctions (5-8)			6 / 6 / 7	PS	DB	SL
2.	Malfunctions after EOP entry (1-2)			1 / 2 / 1	PS	DB	SL
3.	Abnormal events (2-4)			3 / 3 / 4	PS	DB	SL
4.	Major transients (1-2)			1 / 2 / 1	PS	DB	SL
5.	EOPs entered/requiring substantive actions (1-2)			2 / 3 / 2	PS	DB	SL
6.	EOP contingencies requiring substantive actions (0-2)			1 / 1 / 0	PS	DB	SL
7.	Critical tasks (2-3)			2 / 3 / 2	PS	DB	SL

Facility: DCPP		Date of Exam: 10/21/2002		Scenario Numbers: 1 / 2 / 3 / BU		Operating Test No.: 2	
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.	PS	DB	JS			
2.	The scenarios consist mostly of related events.	PS	DB	JS			
3.	Each event description consists of . 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)	PS	DB	JS			
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.	PS	DB	JS			
5.	The events are valid with regard to physics and thermodynamics.	PS	DB	JS			
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	PS	DB	JS			
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.	PS	DB	JS			
8.	The simulator modeling is not altered.	PS	DB	JS			
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.	PS	DB	JS			
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.	PS	DB	JS			
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	PS	DB	JS			
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).	PS	DB	JS			
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	PS	DB	JS			
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		Actual Attributes					
1.	Total malfunctions (5-8)	5 / 8 / 6 / 7	PS	DB	JS		
2.	Malfunctions after EOP entry (1-2)	1 / 2 / 1 / 1	PS	DB	JS		
3.	Abnormal events (2-4)	3 / 5 / 4 / 5	PS	DB	JS		
4.	Major transients (1-2)	1 / 2 / 1 / 1	PS	DB	JS		
5.	EOPs entered/requiring substantive actions (1-2)	3 / 3 / 2 / 2	PS	DB	JS		
6.	EOP contingencies requiring substantive actions (0-2)	0 / 1 / 1 / 0	PS	DB	JS		
7.	Critical tasks (2-3)	4 / 6 / 2 / 6	PS	DB	JS		

OPERATING TEST NO.: 1

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	BU	N/A
RO	Reactivity	1	1	1	1	
	Normal	1	2	2	1	
	Instrument / Component	4	5	4	6	
	Major	1	1	2	1	
As RO	Reactivity	1				
	Normal	0				
	Instrument / Component	2				
	Major	1				
SRO-I						
As SRO	Reactivity	0				
	Normal	1				
	Instrument / Component	2				
	Major	1				
SRO-U	Reactivity	0	1	1	1	
	Normal	1	1	1	1	
	Instrument / Component	2	3	2	3	
	Major	1	1	2	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.
- (3) Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirement.

Author:

NRC Reviewer:

OPERATING TEST NO.: 2

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	BU
RO	Reactivity	1	1	1	2	1
	Normal	1	1	2	1	1
	Instrument / Component	4	4	5	5	6
	Major	1	1	2	1	1
As RO	Reactivity	1	1	1	2	1
	Normal	0	1	2	1	1
	Instrument / Component	2	4	5	5	6
	Major	1	1	2	1	1
SRO-I						
As SRO	Reactivity	0	1	1	2	1
	Normal	1	0	2	1	1
	Instrument / Component	2	2	3	2	4
	Major	1	1	2	1	1
SRO-U						
SRO-U	Reactivity	0	1	1	2	1
	Normal	1	0	2	1	1
	Instrument / Component	2	2	3	2	4
	Major	1	1	2	1	1

Instructions:

- (1) Enter the operating test number and Form ES-D-1 event numbers for each evolution type.
- (4) 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.
- (5) Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirement.

Author:

NRC Reviewer:

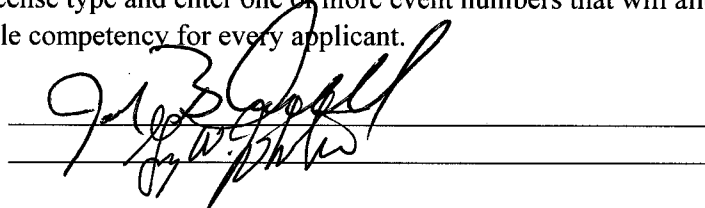
Competencies	Applicant #5 RO/SRO-I/SRO-U				Applicant #6 RO/SRO-I/SRO-U				Applicant #7 RO/SRO-I/SRO-U			
	SCENARIO				SCENARIO				SCENARIO			
	1-1 RO	2-1 BOP	N / A	BU-1 RO	1-1 BOP	2-1 RO	N / A	BU-1 BOP	1-1 SRO	2-1 N/A	N / A	BU-1 SRO
Understand and Interpret Annunciators and Alarms	4-7	3-9		2-8	4-7	3-9		2-8	4-7	3-9		2-8
Diagnose Events and Conditions	4-7	3-9		2-8	3-7	3-9		2-8	4-7	3-9		2-8
Understand Plant and System Response	2-7	2-9		1-8	2-7	2-9		1-8	2-7	2-9		1-8
Comply With and Use Procedures (1)	1,6,7	3,4,6-9		5-8	5,6,7	1,3,4,6-9		5-8	4-7	3-9		2-8
Operate Control Boards (2)	1,3-7	2-9		1,3-8	2-7	1,4,6-9		3, 5-8	N/A	N/A		N/A
Communicate and Interact With the Crew	1, 3-7	1-9		1-8	1, 3-7	1-9		1-8	2-7	1-9		1-8
Demonstrate Supervisory Ability (3)	N/A	N/A		N/A	N/A	N/A		N/A	2-7	2-9		1-8
Comply With and Use Tech. Specs. (3)	N/A	N/A		N/A	N/A	N/A		N/A	2	1-4		3
Notes: (1) Includes Technical Specification compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.												

Instructions:

Circle the applicant's license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.

Author:

NRC Reviewer:



Competencies	Applicant #1 RO/SRO-I/SRO-U				Applicant #2 RO/SRO-I/SRO-U				Applicant #3 RO/SRO-I/SRO-U			
	SCENARIO				SCENARIO				SCENARIO			
	1-2 RO	2-2 BOP	3-2	BU-2 RO	1-2 BOP	2-2	3-2 RO	BU-2 BOP	1-2	2-2 RO	3-2 BOP	BU-2
Understand and Interpret Annunciators and Alarms	2-7	2-11	N/A	2-9	2-7	N/A	1-9	2-9	N/A	2-11	1-9	N/A
Diagnose Events and Conditions	2-7	2,4-11	N/A	2-9	2-7	N/A	1-9	2-9	N/A	2-11	1-9	N/A
Understand Plant and System Response	2-7	1-11	N/A	1,2-9	2-7	N/A	1-9	1-9	N/A	1-11	1-9	N/A
Comply With and Use Procedures (1)	3,6,7	3,7-11	N/A	5,6-9	1,3,6,7	N/A	4-9	4, 6-9	N/A	3,5-11	1, 4-9	N/A
Operate Control Boards (2)	2-7	3,4, 6-11	N/A	1-9	1,3-7	N/A	1-9	1-9	N/A	1-3, 5-11	1-9	N/A
Communicate and Interact With the Crew	1-7	1-11	N/A	1-9	1-7	N/A	1-9	1-9	N/A	1-11	1-9	N/A
Demonstrate Supervisory Ability (3)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comply With and Use Tech. Specs. (3)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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:

NRC Reviewer:

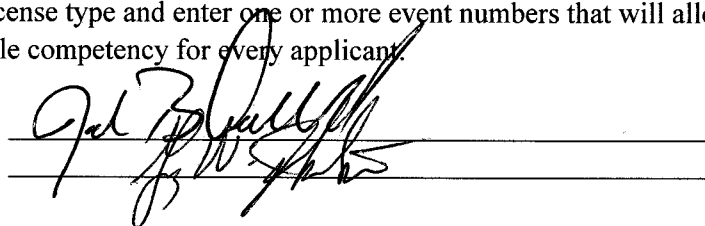
Competencies	Applicant #4 RO/SRO-I/SRO-U											
	SCENARIO				SCENARIO				SCENARIO			
	1-2 SRO	2-2 N/A	3-2 N/A	BU-2 SRO	1	2	3	BU	1	2	3	BU
Understand and Interpret Annunciators and Alarms	2-7	2-11	1-9	2-9								
Diagnose Events and Conditions	2-7	2, 4-11	1-9	2-9								
Understand Plant and System Response	2-7	1-11	1-9	1-9								
Comply With and Use Procedures (1)	2-7	1-11	1-9	1-9								
Operate Control Boards (2)	N/A	N/A	N/A	N/A								
Communicate and Interact With the Crew	2-7	1-11	1-9	1-9								
Demonstrate Supervisory Ability (3)	2-7	1-11	1-9	1-9								
Comply With and Use Tech. Specs. (3)	1-5	2,4,5	4-6	2-5								
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:

NRC Reviewer:



Competencies	Applicant #8 RO/SRO-I/SRO-U				Applicant #9 RO/SRO-I/SRO-U				Applicant #10 RO/SRO-I/SRO-U			
	SCENARIO				SCENARIO				SCENARIO			
	1-2 RO	2-2 BOP	3-2	BU-2 RO	1-1 BOP	2-2	3-2 RO	BU-2 BOP	1-2 SRO	2-2 RO	3-2	BU-2 SRO
Understand and Interpret Annunciators and Alarms	2-7	2-11	N/A	2-9	2-7	N/A	1-9	2-9	2-7	2-11	N/A	2-9
Diagnose Events and Conditions	2-7	2,4-11	N/A	2-9	2-7	N/A	1-9	2-9	2-7	2-11	N/A	2-9
Understand Plant and System Response	2-7	1-11	N/A	1,2-9	2-7	N/A	1-9	1-9	2-7	1-11	N/A	1-9
Comply With and Use Procedures (1)	3,6,7	3,7-11	N/A	5,6-9	1,3,6,7	N/A	4-9	4, 6-9	2-7	3,5-11	N/A	1-9
Operate Control Boards (2)	2-7	3,4, 6-11	N/A	1-9	1,3-7	N/A	1-9	1-9	N/A	1-3, 5-11	N/A	N/A
Communicate and Interact With the Crew	1-7	1-11	N/A	1-9	1-7	N/A	1-9	1-9	2-7	1-11	N/A	1-9
Demonstrate Supervisory Ability (3)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2-7	N/A	N/A	1-9
Comply With and Use Tech. Specs. (3)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1-5	N/A	N/A	2-5
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:

NRC Reviewer:

Facility:		Date of Exam:		Exam Level: RO/SRO		
Item Description		Initials				
		a	b	c		
1.	Clean answer sheets copied before grading	JS	DB	LY		
2.	Answer key changes and question deletions justified and documented	JS	DB	LY		
3.	Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	JS	DB	LY		
4.	Grading for all borderline cases (80% +/- 2%) reviewed in detail	JS	DB	LY		
5.	All other failing examinations checked to ensure that grades are justified	JS	DB	LY		
6.	Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	JS	DB	LY		
Printed Name / Signature		Date				
a. Grader	Jack Blackwell / <i>Jack Blackwell</i>	10/30/02				
b. Facility Reviewer(*)	David Burns / <i>David Burns</i>	10/30/02				
c. NRC Chief Examiner (*)	Jay W. Johnston / <i>Jay W. Johnston</i>	11/5/02				
d. NRC Supervisor (*)	ANTHONY T. GODY / <i>Anthony T. Gody</i>	11/9/02				
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.						

02/21/2003

09:07:15

Report 21

Operator Licensing Exam Schedule

From 10/01/2002 To 09/30/2003

Region: 4

Phase Code: 5 Operational

Exam Week	Site/Docket No./Insp Rpt #	# Candidates	Type	Exam Author	Chief Examiner	Examiners Assigned
07/07/2002	Diablo Canyon / 05000275 / 2002004 Procedure #: 7111111Q				PROULX, DAVID L.	JACKSON, TERRY PROULX, DAVID L.
07/07/2002	Diablo Canyon / 05000323 / 2002004 Procedure #: 7111111Q				PROULX, DAVID L.	JACKSON, TERRY PROULX, DAVID L.
09/30/2002	Diablo Canyon / 05000275 / 2002301 TAC #: X02235		Prep		JOHNSTON, GARY W.	GAGE, PAUL C. JOHNSTON, GARY W. MCKERNON, THOMAS O.
09/30/2002	Diablo Canyon / 05000275 / 2002301 TAC #: X02216		Prep		JOHNSTON, GARY W.	JOHNSTON, GARY W.
09/30/2002	Diablo Canyon / 05000323 / 2002301 TAC #: X02236		Prep		JOHNSTON, GARY W.	GAGE, PAUL C. JOHNSTON, GARY W. MCKERNON, THOMAS O.
09/30/2002	Diablo Canyon / 05000323 / 2002301 TAC #: X02217		Prep		JOHNSTON, GARY W.	GAGE, PAUL C. JOHNSTON, GARY W.
10/06/2002	Diablo Canyon / 05000275 / 2002005 Procedure #: 7111111Q				PROULX, DAVID L.	JACKSON, TERRY PROULX, DAVID L.
10/06/2002	Diablo Canyon / 05000323 / 2002005 Procedure #: 7111111Q				PROULX, DAVID L.	JACKSON, TERRY PROULX, DAVID L.
10/21/2002	Diablo Canyon / 05000275 / 2002301 TAC #: X02235	RO - 7 SROU - 2	SROI - 1 Admin	FFN	JOHNSTON, GARY W.	GAGE, PAUL C. JOHNSTON, GARY W. MCKERNON, THOMAS O.
10/21/2002	Diablo Canyon / 05000323 / 2002301 TAC #: X02236	RO - 7 SROU - 2	SROI - 1 Admin	FFN	JOHNSTON, GARY W.	GAGE, PAUL C. JOHNSTON, GARY W. MCKERNON, THOMAS O.
12/29/2002	Diablo Canyon / 05000275 / 2003005 Procedure #: 7111111Q				PROULX, DAVID L.	JACKSON, TERRY PROULX, DAVID L. STEARNS, DONALD L.
12/29/2002	Diablo Canyon / 05000323 / 2003005 Procedure #: 7111111Q				PROULX, DAVID L.	JACKSON, TERRY PROULX, DAVID L. STEARNS, DONALD L.
03/30/2003	Diablo Canyon / 05000275 / 2003006 Procedure #: 7111111Q				PROULX, DAVID L.	JACKSON, TERRY PROULX, DAVID L. STEARNS, DONALD L.
03/30/2003	Diablo Canyon / 05000323 / 2003006 Procedure #: 7111111Q				PROULX, DAVID L.	JACKSON, TERRY PROULX, DAVID L. STEARNS, DONALD L.
05/12/2003	Diablo Canyon / 05000275 / 2003006 Procedure #: 7111111B				JOHNSTON, GARY W.	JOHNSTON, GARY W. MCKERNON, THOMAS O.
05/12/2003	Diablo Canyon / 05000323 / 2003006 Procedure #: 7111111B				JOHNSTON, GARY W.	JOHNSTON, GARY W. MCKERNON, THOMAS O.

Sites: DIAB

Orgs: ALL

Exam Author: ALL

02/21/2003

09:07:15

Report 21

Operator Licensing Exam Schedule

From 10/01/2002 To 09/30/2003

Region: 4

Phase Code: 5 Operational

Exam Week	Site/Docket No./Insp Rpt #	# Candidates	Type	Exam Author	Chief Examiner	Examiners Assigned
06/29/2003	Diablo Canyon / 05000275 / 2003007 Procedure #: 7111111Q				PROULX, DAVID L.	JACKSON, TERRY PROULX, DAVID L. STEARNS, DONALD L.
06/29/2003	Diablo Canyon / 05000323 / 2003007 Procedure #: 7111111Q				PROULX, DAVID L.	JACKSON, TERRY PROULX, DAVID L. STEARNS, DONALD L.
09/28/2003	Diablo Canyon / 05000275 / 2003008 Procedure #: 7111111Q				PROULX, DAVID L.	JACKSON, TERRY PROULX, DAVID L. STEARNS, DONALD L.
09/28/2003	Diablo Canyon / 05000323 / 2003008 Procedure #: 7111111Q				PROULX, DAVID L.	JACKSON, TERRY PROULX, DAVID L. STEARNS, DONALD L.

Sites: DIAB

Orgs: ALL

Exam Author: ALL

Operator Licensing Exam Schedule

From 10/01/2002 To 09/30/2003

Region: 4

Phase Code: 5 Operational

Summary By Date

07/2002 DIAB - Diablo Canyon

07/2002

09/2002 DIAB - Diablo Canyon

RO - 0

SROI - 0

SROU - 0

LSRO - 0

Total for Diablo Canyon: 0

09/2002

RO - 0

SROI - 0

SROU - 0

LSRO - 0

Total for 09/2002: 0

10/2002 DIAB - Diablo Canyon

RO - 14

SROI - 2

SROU - 4

LSRO - 0

Total for Diablo Canyon: 20

10/2002

RO - 14

SROI - 2

SROU - 4

LSRO - 0

Total for 10/2002: 20

12/2002 DIAB - Diablo Canyon

12/2002

03/2003 DIAB - Diablo Canyon

03/2003

05/2003 DIAB - Diablo Canyon

05/2003

06/2003 DIAB - Diablo Canyon

06/2003

09/2003 DIAB - Diablo Canyon

Sites: DIAB

Orgs: ALL

Exam Author: ALL

Operator Licensing Exam Schedule

From 10/01/2002 To 09/30/2003

Region: 4

Phase Code: 5 Operational

Summary By Site

DIAB - Diablo Canyon

RO - 14

SROI - 2

SROU - 4

LSRO - 0

Total for Diablo Canyon: 20

Operator Licensing Exam Schedule

From 10/01/2002 To 09/30/2003

Region: 4

Phase Code: 5 Operational

Summary By Region

Region 4

RO - 14

SROI - 2

SROU - 4

LSRO - 0

Total for Region 4: 20

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of Oct. 22, 2002 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 Oct. 22, 2002. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATENOTE
1. DON BEARDEN	TRAINING INSTRUCTOR	Don Bearden	3/25/02	Don Bearden	11/22/02
2. Jack Blackwell	Training Instructor	Jack Blackwell	3/25/02	Jack Blackwell	11/15/02
3. Mike Clark	Training Instructor	Mike Clark	3/26/02	Mike Clark	11/13/02
4. Jim Bigelow	Sim Eng.	Jim Bigelow	5/1/02	Jim Bigelow	11-13-02
5. Dale Lessard	Sim Support	Dale Lessard	5/6/02	Dale Lessard	11-13-02
6. GREG JOHNSON	ACRE/DIT PPC SUPPORT	Greg Johnson	5/6/02	Greg Johnson	11/14/2002
7. GAYLE BARRY	CLERK	Gayle Barry	6/1/02	Gayle Barry	11-13-02
8. STEPHAN WOLF	ACRE/DIT PPC SUPPORT	Stephan Wolf	6/5/02	Stephan Wolf	11-14-02
9. SONNIE SPOOK	CLERK	Sonnie Spook	6-6-02	Sonnie Spook	11-13-02
10. BILL GARRET	POST MGR	Bill Garret	6/4/02	Bill Garret	11/22/02
11. DAVID BURNS	TRAINING LEADER	David Burns	7/24/02	David Burns	11/28/02
12. David Bahner	Shift Manager	David Bahner	7/24/02	David Bahner	11/14/02
13. JAMES L. EDWARDS II	SHIFT FOREMAN	James L. Edwards II	7-23-02	James L. Edwards II	11-14-02
14. BRIAN LEADER	CONTROL OPERATOR, SRO	Brian Leader	02-23-02	Brian Leader	11-13-02
15. Jeff Kocak	STA	Jeff Kocak	7-23-02	Jeff Kocak	11-13-02

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of Oct. 28, 2002 ^{Oct. 22, 2002} 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 Oct. 28, 2002 ^{Oct. 22, 2002} from the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATENOTE
1. James Henney	Reactor Operator		7.23.02		11.13.02
2. Gary Hutchison	Instructor		10/28/02		11/14/02
3. Gary Hutchison	Instructor		10/28/02		11/13/02
4. Thomas R. Pate	Instructor		10/28/02		11/13/02
5. Michael A. Price	Instructor		10/28/02		11/13/02
6. RICHARD L. GRAHAM	INSTRUCTOR		10/25/02		11/13/02
7. GLENN GROELZER	SHIFT MANAGER		10/29/02		11/13/02
8. John Scherman	Instructor - C&P		10/30/02		11/13/02
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