

X 02476
X 02477

EXAM ASSIGNMENT TICKLER

Chief:	B. Larson	Facility:	SONGS	Date of Written Exam:	11/14/2011
Start of Op Test:			10/31/2011	End of Op Test:	11/8/2011
Written Exam Developed By: NRC / Facility			Operating Test Developed By: NRC / Facility		
Due Date	Description	Date Complete	Initials	Notes	
5/2/2011	Written Exam & Op Test Dates Confirmed	4.19.11	BT		
6/27/2011	NRC Examiners & Facility Contact Assigned	4.19.11	BT		
6/27/2011	Facility Contact Briefed on Security & Other Req's	4.19.11	BT		
6/27/2011	Corporate Notification Letter sent	5.5.11	BT	ES-201 Att-4 produced by CE	
8/1/2011	Reference material due (if NRC authored)	7.18.11	BT	ES-201 Att-3	
7/25/2011	Integrated exam outlines due	7.18.11	BT		
7/29/2011	Outlines reviewed by CE; feedback approved by BC	8.9.11	BT	ES-201-2 signed by CE & BC	
7/29/2011	Feedback on integrated outlines provided to facility	8.9.11	BT		
8/29/2011	DRAFT exam / docs / support reference material due	8.29.11	BT		
9/2/2011	Peer review of written exam complete	9.9.11	BT	Document review on ES-401-9	
9/26/2011	Preliminary license applications due	9.28.11	BT	NRC Forms 398/396	
10/3/2011	Preliminary license applications and waivers reviewed	10.3.11	BT		
9/2/2011	DRAFT exam reviewed by CE; feedback approved by BC	9.29.11	BT		
9/6/2011	Feedback on DRAFT exam provided to facility	9.29.11	BT		
9/14/2009	On-site validation & 10% audit of license applications	9.16.11	BT		
10/3/2011	FINAL EXAM MATERIALS DUE	10.13.11	BT		
10/17/2011	Final applications due & List of Applicants prepared	10.26.11	BT	ES-201-4 prepared by LA	
10/24/2011	Final applications approved & waiver letters sent	10.26.11	BT		
10/24/2011	Branch Chief approves FINAL exam (Written & Op Test)	10.25.11	BT	LA produces / BC signs Exam Approval Letter (ES-201 Att-5)	
10/24/2011	Proctoring/written exam admin guidelines reviewed w/ facility	11.7.11	BT		
10/24/2011	Exam material to exam team	10.24.11	BT		
10/27/2011	Administer Operating Test	10.28.11	BT		
11/21/2011	Facility post-exam documentation due	11.16.11	BT		
11/21/2011	NRC written exam grading completed	12.7.11	BT	ES-403-1 to BC	
11/15/2011	Examiner's document op test results on ES 303's	12.9.11	BT		
11/28/2011	Chief Examiner review of written exam & op test completed	12.12.11	BT	Signed ES 303's to BC	
12/5/2011	Branch Chief review of exam results completed	12.12.11	BT		
12/12/2011	Waivers/deferrals reviewed for impact on licensing decision	12.12.11	BT		
12/12/2011	License/Denial letters mailed; Facility notified of results	12.12.11	BT		
12/12/2011	RPS/IP number of examinees updated	1.12.12	BT	print Report-21	
12/26/2011	Examination Report Issued	1.26.12	BT	produced by CE	
1/2/2012	SUNSI checklist complete and exam docs to ADAMS	2.17.12	BT	SUNSI checklist to LA	
1/9/2012	Ref Mat'l Returned after Final Resolution of Appeals	N/A	BT		
Replaces NUREG-1021, Revision 9, Supp 1, Forms ES-201-1 and ES-501-1					

Facility: SONGS 2 and 3		Date of Examination: 10/31/11		
Item	Task Description	Initials		
		a	b*	c#
1 W R I T T E N	a. Verify that the outline(s) fits the appropriate model, in accordance with ES-401	E	JW	SR
	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.	E	JW	SR
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics	E	JW	SR
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	E	JW	SR
2 S I M U L A T O R	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.	E	JW	SR
	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 applicants' audit test(s), and that scenarios will not be repeated on subsequent days.	E	JW	SR
	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.	E	JW	SR
3 W A L K T H R O U G H	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 applicants' 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	E	JW	SR
	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	E	JW	SR
	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.	E	JW	SR
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 sections	E	JW	SR
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	E	JW	SR
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	E	JW	SR
	d. Check for duplication and overlap among exam sections.	E	JW	SR
	e. Check the entire exam for balance of coverage.	E	JW	SR
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	E	JW	SR
Printed Name/Signature		Date		
a. Author	LARRY ELLIOTT / Larry Elliott	10/31/11		
b. Facility Reviewer (*)	JOHN RODGERS / John Rodgers	8-9-11		
c. NRC Chief Examiner (#)	BRIAN LARSON / Brian Larson	8-9-11		
d. NRC Supervisor	MARK HAIRE / Mark Haire	8/11/11		
Note # Independent NRC reviewer initial items in Column "c" chief examiner concurrence required * Not applicable for NRC-prepared examination outlines				

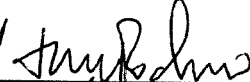
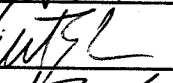
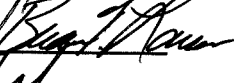
Facility: SONGS 2 & 3		Date of Exam: 10/31/11		Exam Level: RO ☒ SRO ☒		
Item Description	Initial					
	a	b*	c#			
1. Questions and answers technically accurate and applicable to facility.	<i>z</i>	<i>JW</i>	<i>BR</i>			
2. a. NRC K/As referenced for all questions. b. Facility learning objectives referenced as available.	<i>z</i>	<i>JW</i>	<i>BR</i>			
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	<i>z</i>	<i>JW</i>	<i>BR</i>			
4. The facility licensee's sampling process was random and systematic (If more than 4 RO or 2 SRO questions were repeated from the last 2 NRC licensing exams, consult the NRR OL program office).			<i>BR</i>			
5. Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: ☒ the audit exam was systematically and randomly developed; or ☐ the audit exam was completed before the license exam was started; or ☐ the examinations were developed independently; or ☐ the licensee certifies that there is no duplication; or ☐ other (explain)	<i>z</i>	<i>JW</i>	<i>BR</i>			
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 <i>45</i> <i>46 / 13</i> <i>BR</i>	Modified <i>9</i> <i>8 / 4</i> <i>BR</i>	New 21 / 8	<i>z</i>	<i>JW</i>	<i>BR</i>
7. Between 50 and 60 percent of the questions 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 <i>32</i> <i>5</i> <i>30 / 7</i> <i>BR</i> <i>40% / 28%</i> <i>43</i> <i>20</i>	C/A <i>43</i> <i>20</i> <i>45 / 18</i> <i>BR</i> <i>88% / 72%</i> <i>57</i> <i>80</i>		<i>z</i>	<i>JW</i>	<i>BR</i>
8. References / handouts provided do not give away answers or aid in the elimination of distractors.	<i>z</i>	<i>JW</i>	<i>BR</i>			
9. Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the tier to which they are assigned; deviations are justified.	<i>z</i>	<i>JW</i>	<i>BR</i>			
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	<i>z</i>	<i>JW</i>	<i>BR</i>			
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with the value on the cover sheet.	<i>z</i>	<i>JW</i>	<i>BR</i>			
Printed Name / Signature		Date				
a. Author	<i>LARRY R. ZIM</i> <i>Larry R. Zim</i>	<i>10/11/11</i>				
b. Facility Reviewer (*)	<i>JOHN RODGERS</i> <i>John Rodgers</i>	<i>10-13-11</i>				
c. NRC Chief Examiner (#)	<i>BRIAN T. LARSON</i> <i>Brian T. Larson</i>	<i>10-20-11</i>				
d. NRC Regional Supervisor	<i>MARK S. HAIRE</i> <i>Mark S. Haire</i>	<i>10/25/11</i>				
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: SONGS 2 & 3 Date of Examination: 10/31/11 Operating Test Number: 1

1. GENERAL CRITERIA		Initials		
		a	b*	c#
a.	The operating test conforms to the previously approved outline; changes are consistent with sampling requirements (e.g. 10 CFR 55.45, operational importance, safety function distribution).	<i>z</i>	<i>fu</i>	<i>BR</i>
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	<i>z</i>	<i>fu</i>	<i>BR</i>
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).	<i>z</i>	<i>fu</i>	<i>BR</i>
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	<i>z</i>	<i>fu</i>	<i>BR</i>
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	<i>z</i>	<i>fu</i>	<i>BR</i>
2. WALK-THROUGH CRITERIA		-	-	-
a.	Each JPM includes the following, as applicable: * 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 * operationally important specific performance criteria that include: - detailed expected actions with exact criteria and nomenclature - system response and other examiner cues - statements describing important observations to be made by the applicant - criteria for successful completion of the task - identification of critical steps and their associated performance standards - restrictions on the sequence of steps, if applicable	<i>z</i>	<i>fu</i>	<i>BR</i>
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.	<i>z</i>	<i>fu</i>	<i>BR</i>
3. SIMULATOR CRITERIA		-	-	-
The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.		<i>z</i>	<i>fu</i>	<i>BR</i>
Printed Name / Signature		Date		
a.	Author <i>LARRY R ZILL</i> <i>Larry R Zilli</i>	<i>10/11/11</i>		
b.	Facility Reviewer (*) <i>JOHN RODGERS</i> <i>John Rodgers</i>	<i>10-13-11</i>		
c.	NRC Chief Examiner (#) <i>BRIAN T. LARSON</i> <i>Brian T. Larson</i>	<i>10-20-11</i>		
d.	NRC Supervisor <i>MARK S. HARRIS</i> <i>Mark S. Harris</i>	<i>10/25/11</i>		
NOTE: * The facility signature is not applicable for NRC-developed tests.				
# Independent NRC reviewer initial items in Column "c", chief examiner concurrence required.				

Facility: SONGS 2 & 3 Date of Exam: 10/31/11 Scenario Numbers: 1/2/3/4/5/6 Operating Test Number: 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.	<i>E</i>	<i>fu</i>	<i>BR</i>			
2.	The scenarios consist mostly of related events.	<i>E</i>	<i>fu</i>	<i>BR</i>			
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)	<i>E</i>	<i>fu</i>	<i>BR</i>			
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.	<i>E</i>	<i>fu</i>	<i>BR</i>			
5.	The events are valid with regard to physics and thermodynamics.	<i>E</i>	<i>fu</i>	<i>BR</i>			
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	<i>E</i>	<i>fu</i>	<i>BR</i>			
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.	<i>E</i>	<i>fu</i>	<i>BR</i>			
8.	The simulator modeling is not altered.	<i>E</i>	<i>fu</i>	<i>BR</i>			
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.	<i>E</i>	<i>fu</i>	<i>BR</i>			
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.	<i>E</i>	<i>fu</i>	<i>BR</i>			
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	<i>E</i>	<i>fu</i>	<i>BR</i>			
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).	<i>E</i>	<i>fu</i>	<i>BR</i>			
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	<i>E</i>	<i>fu</i>	<i>BR</i>			
Target Quantitative Attributes (Per Scenario; See Section D.5.d)		Actual Attributes (SONGS Scenario #)					
		1	2	3	4	5	6
1.	Total malfunctions (5-8)	9	8	8	8	9	7
2.	Malfunctions after EOP entry (1-2)	3	3	3	3	3	2
3.	Abnormal events (2-4)	4	3	4	3	2	3
4.	Major transients (1-2)	1	1	1	1	2	1
5.	EOPs entered/requiring substantive actions (1-2)	2	1	2	2	1	2
6.	EOP contingencies requiring substantive actions (0-2)	0	1	0	0	1	0
7.	Critical tasks (2-3)	3	3	3	3	4	3

Facility: <u>SONHS</u>		Date of Exam: <u>11-10-11</u>		Exam Level: RO ☒ SRO ☒	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	<u>SM</u>	<u>A</u>	<u>AR</u>		
2. Answer key changes and question deletions justified and documented	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<u>SM</u>	<u>A</u>	<u>AR</u>		
4. Grading for all borderline cases (80 $\pm$ 2% overall and 70 or 80, as applicable, $\pm$ 4% on the SRO-only) reviewed in detail	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>		
5. All other failing examinations checked to ensure that grades are justified	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>		
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>SM</u>	<u>A</u>	<u>AR</u>		
Printed Name/Signature		Date			
a. Grader	<u>JOHN PODHERS / </u>	<u>11-14-11</u>			
b. Facility Reviewer(*)	<u>William Arbour / </u>	<u>11/16/11</u>			
c. NRC Chief Examiner (*)	<u>BRIAN T. LARSON / </u>	<u>12/7/2011</u>			
d. NRC Supervisor (*)	<u>MARK S. HARRIS / </u>	<u>12/12/11</u>			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

16:04:23

01/12/2012

Report 21

Operator Licensing Exam Schedule

From 10/01/2011 To 12/31/2011

Region: 4 Phase Code: Operating Reactors (5)

Exam Week	Site/Docket No./Insp Rpt #	# Candidates		Type	Exam Author	Chief Examiner	Examiners Assigned
10/31/2011	San Onofre / 05000361 / TAC #: X02476	RO - 5 SROU - 1	SROI - 4	Admin	FFF	LARSON, BRIAN T.	APGER, GABRIEL W. HEDGER, SEAN D. LARSON, BRIAN T. OSTERHOLTZ, CLYDE C. STRICKLAND, DUANE G. APGER, GABRIEL W. HEDGER, SEAN D. OSTERHOLTZ, CLYDE C. STRICKLAND, DUANE G. APGER, GABRIEL W. HEDGER, SEAN D. LARSON, BRIAN T. OSTERHOLTZ, CLYDE C. STRICKLAND, DUANE G. APGER, GABRIEL W. HEDGER, SEAN D. LARSON, BRIAN T. OSTERHOLTZ, CLYDE C. STRICKLAND, DUANE G.
10/31/2011	San Onofre / 05000361 / TAC #: X02476			Doc	FFF	LARSON, BRIAN T.	
10/31/2011	San Onofre / 05000362 / TAC #: X02477	RO - 5	SROI - 4	Admin	FFF	LARSON, BRIAN T.	
10/31/2011	San Onofre / 05000362 / TAC #: X02477			Doc	FFF	LARSON, BRIAN T.	

Region: 4 Phase Code: Operating Reactors (5)

Summary By Date

10/2011	SANO - San Onofre	RO - 10	SROI - 8	SROU - 1	LSRO - 0	Total for San Onofre: 19
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Operator Licensing Exam Schedule
From 10/01/2011 To 12/31/2011

16:04:23

Region: 4 Phase Code: Operating Reactors (5)

Summary By Site

SANO - San Onofre

RO - 10

SROI - 8

SROU - 1

LSRO - 0

Total for San Onofre: 19

Region: 4Phase Code: Operating Reactors (5)

Summary By Region

Region 4				
RO - 10	SROI - 8	SROU - 1	LSRO - 0	Total for Region 4: 19

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of October 31, 2011 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 NRC. 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 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 NRC 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 October 31, 2011. 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 NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. LARRY R. ZILLY	EXAM AUTHOR	Larry R. Zilly	6/5/11	①	11/15/11	
2. ROBERT R. MONAST	EXAM DEVELOPMENT	Robert R. Monast	5/2/11	①	11/15/11	
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NOTES: ① SIGNED OFF PER PERSON, JUNKBACH

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1. JOHN RODGERS	EXAM DEVELOPER	<i>John Rodgers</i>	5/16/11	<i>John Rodgers</i>	11/14/11
2. RICHARD WHITEHOUSE	OPS INSTRUCTOR	<i>Richard Whitehouse</i>	5/16/11	<i>Richard Whitehouse</i>	11/14/11
3. PAUL LINDENBATH	Simulator Software Engineer	<i>Paul Lindenbath</i>	5/24/11	<i>Paul Lindenbath</i>	11/14/11
4. PAUL POPADAK	HARDWARE ENGINEER	<i>Paul Popadak</i>	5/27/11	<i>Paul Popadak</i>	11/21/11
5. G. WYATT	OPS SUPERVISOR	<i>G. Wyatt</i>	5/27/11	<i>G. Wyatt</i>	11/14/11
6. G. MARENGO	OPS INSTRUCTOR	<i>G. Marengo</i>	5/31/11	<i>G. Marengo</i>	11/14/11
7. EMIL JACOBS	SOFT EXAM VALIDATION	<i>Emil Jacobs</i>	6/6/11	<i>Emil Jacobs</i>	11/14/11
8. Jesse Robinson	Computer Engineer	<i>Jesse Robinson</i>	6/6/11	①	11-14-11
9. John L. Oliver	Material Developer	<i>John L. Oliver</i>	6/6/11	①	11-14-11

NOTES:

① SIGNED OFF VIA EMAIL *John Rodgers*

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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 October 31, 2011. 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 NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1. <u>Michael Vela</u>	<u>Manager Control Room Operator</u>	<u>[Signature]</u>	<u>6-24-11</u>	①	<u>11-14-11</u>
2. <u>Low Bouch</u>	<u>CRS/STAR/SM</u>	<u>[Signature]</u>	<u>6-30-11</u>	①	<u>11-15-11</u>
3. <u>Shawn Stees</u>	<u>NCC</u>	<u>[Signature]</u>	<u>6/30/11</u>	①	<u>11-17-11</u>
4. <u>IVORY BYERS</u>	<u>CRS</u>	<u>[Signature]</u>	<u>7-1-11</u>	<u>[Signature]</u>	<u>11-21-11</u>
5. <u>James Seaborn</u>	<u>CO</u>	<u>[Signature]</u>	<u>7-1-11</u>	①	<u>11-14-11</u>
6. <u>James Vuk</u>	<u>CRS</u>	<u>[Signature]</u>	<u>7-9-11</u>	①	<u>11-14-11</u>
7. <u>Stuart Shaker</u>	<u>CO</u>	<u>[Signature]</u>	<u>7-9-11</u>	①	<u>11-14-11</u>
8. <u>William Albar</u>	<u>OTM</u>	<u>[Signature]</u>	<u>7-14-11</u>	<u>[Signature]</u>	<u>11-14-11</u>
9. <u>Dean Aronowich</u>	<u>CO</u>	<u>[Signature]</u>	<u>7-23-11</u>	①	<u>11-14-11</u>

NOTES:

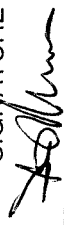
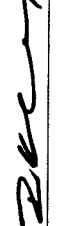
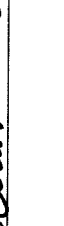
① signed off via email Jim Bouch

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1. DENNIS MORGAN'S	CES/SRO/STA		7-23-11	①	11-14-11	
2. RONALD KELLEY	NCO		7-28-11	②	11-11-11	
3. PAUL L. JUNGMITZSCH	NCO		7-28-11	②	11-21-11	
4. RALPH W. WILSON	NCO		7-30-11	②	11-21-11	
5. MIKE WORTS	CES		7-30-11	②	11-21-11	
6. GARY Houser	NCO/SRO		8-6-11	①	11-15-11	
7. BREWSTER W. COTTON	NCO		8-12-11	①	11-17-11	
8. JOHN H. LUSTON	STA		8-12-11	①	11-14-11	
9. ALAN HARKNESS	NCO/S		8-12-11	①	11-21-11	

NOTES:

- ① SIGNED OFF VIA EMAIL *JohnRudman*
 ② SIGNED OFF VIA TELCOM *JohnRudman*

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1. Craig Sleeth	CRS	<i>Craig Sleeth</i>	8-12-11	①	11-14-11
2. Jovan Silva	Simulator Eng	<i>Jovan Silva</i>	8-15-11	<i>Jovan Silva</i>	11-11-11
3. Ben Townsend	NCO	<i>Ben Townsend</i>	8/16/11	①	11-16-11
4. Mark Poore	NCO	<i>Mark Poore</i>	8/16/11	①	11-14-11
5. Joel Murray	CRS	<i>Joel Murray</i>	8/16/11	①	11-14-11
6. Steve Willett	CRS	<i>Steve Willett</i>	8/19/11	①	11-14-11
7. John Kennel	CRS	<i>John Kennel</i>	8-19-11	①	11-14-11
8. D. Michael Fitzgerald	NCO	<i>D. Michael Fitzgerald</i>	8-19-11	①	11-14-11
9. Kevin M Geisler	CRS	<i>Kevin M Geisler</i>	8-19-11	①	11-14-11

NOTES:

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1. <u>Theresa M. Baker</u>	<u>RO</u>	<u>[Signature]</u>	<u>9-12-11</u>	<u>[Signature]</u>	<u>11-14-11</u>
2. <u>David D. Davidson</u>	<u>RO</u>	<u>[Signature]</u>	<u>9-12-11</u>	<u>[Signature]</u>	<u>11-14-11</u>
3. <u>Chet W. Jorwick</u>	<u>CPS</u>	<u>[Signature]</u>	<u>9-12-11</u>	<u>[Signature]</u>	<u>11-14-11</u>
4. <u>James Hawkins</u>	<u>Computer Tech</u>	<u>[Signature]</u>	<u>9-12-11</u>	<u>[Signature]</u>	<u>11-17-11</u>
5. <u>Mark Rice</u>	<u>Computer Tech</u>	<u>[Signature]</u>	<u>9-12-11</u>	<u>[Signature]</u>	<u>11-14-11</u>
6. <u>Frank Wrolich</u>	<u>PROCEDURE WRITER</u>	<u>* NOTE 1</u>	<u>9-14-11</u>	<u>[Signature]</u>	<u>11-14-11</u>
7. <u>Tom Simmons</u>	<u>OPS</u>	<u>* NOTE 1</u>	<u>9-23-11</u>	<u>[Signature]</u>	<u>11-14-11</u>
8. <u>JASON JANKO</u>	<u>SM</u>	<u>[Signature]</u>	<u>12/13/11</u>	<u>[Signature]</u>	<u>11-14-11</u>
9. <u>James Perkins</u>	<u>NTD OPS</u>	<u>[Signature]</u>	<u>12/13/11</u>	<u>[Signature]</u>	<u>11-16-11</u>

NOTES:

- * NOTE 1 - SIGNED ON VIA TELCOM [Signature]
- ② - SIGNED OFF VIA EMAIL [Signature]
- ③ - SIGNED OFF VIA TELCOM [Signature]

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1. <u>Dana Baez</u>	<u>WOM / SRO</u>	<u>[Signature]</u>	<u>10/27/11</u>	<u>①</u>	<u>11-15-11</u>	
2. <u>Patrick Mervin</u>	<u>Instructor</u>	<u>[Signature]</u>	<u>10/27/11</u>	<u>[Signature]</u>	<u>11/11/11</u>	
3. <u>DAVID COX</u>	<u>Instructor</u>	<u>[Signature]</u>	<u>10/28/11</u>	<u>[Signature]</u>	<u>11/17/11</u>	
4. <u>MINH NGUYEN</u>	<u>L-3 MAPPS</u>	<u>[Signature]</u>	<u>10/31/11</u>	<u>②</u>	<u>11-16-11</u>	
5. <u>Clark F. Baker</u>	<u>Senior Control Room Supervisor</u>	<u>[Signature]</u>	<u>11/1/11</u>	<u>①</u>	<u>11-14-11</u>	
6. <u>Al Nguyen</u>	<u>Shift Manager</u>	<u>[Signature]</u>	<u>11/1/11</u>	<u>①</u>	<u>11-14-11</u>	
7. _____	_____	_____	_____	_____	_____	_____
8. _____	_____	_____	_____	_____	_____	_____
9. _____	_____	_____	_____	_____	_____	_____

NOTES:

- ① SIGNED OFF VIA EMAIL Jim Babin
- ② SIGNED OFF VIA TELCOM Jim Babin

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1. <u>Dana Barrie</u>	<u>WFO/SRO</u>	<u>D Barrie</u>	<u>10/27/11</u>	<u>(2)</u>	
2. <u>Patrick Mulvaney</u>	<u>Instructor</u>	<u>[Signature]</u>	<u>10/27/11</u>	<u>(2)</u>	
3. <u>DAVID COX</u>	<u>Instructor</u>	<u>[Signature]</u>	<u>10/28/11</u>	<u>(2)</u>	
4. <u>MINH NGUYEN</u>	<u>L-3 MAPPS</u>	<u>Minh Nguyen</u>	<u>10/31/11</u>	<u>(2)</u>	
5. <u>Clark F. Baker</u>	<u>Senior Control Room Supervisor</u>	<u>[Signature]</u>	<u>11/1/11</u>	<u>(2)</u>	
6. <u>Al Aygun</u>	<u>Shift Manager</u>	<u>[Signature]</u>	<u>11/1/11</u>	<u>(2)</u>	
7. <u>Terry C. Bowland</u>	<u>HP</u>	<u>[Signature]</u>	<u>11-8-11</u>	<u>(1)</u>	<u>11-16-11</u>
8. _____	_____	_____	_____	_____	_____

9. NOTES:

- ① signed off per telecom. [Signature]
- ② see previous page for originals [Signature]