

CRYSTAL RIVER EXAM 50-302/2000-301 SEPTEMBER 25 - 28, 2000

COVER SHEET -- FINAL SUBMITTAL ADMINISTRATIVE DOCUMENTS IN ONE ADAMS DOCUMENT

- ES-201-1 - Exam Preparation Checklist
- ES-201-2 - Exam Outline Quality Checklist
- ES-201-3 - Exam Security Agreements
- ES-301-3 - Operating Test Quality Checklist
- ES-301-4 - Simulator Scenario Quality Checklist
- ES-301-5 - Transient & Event Checklist
- ES-301-6 - Competencies Checklist
- ES-401-7 - Written Exam Quality Checklist
- ES-401-9 - Written Exam Review Worksheet
- ES-403-1 - Written Exam Grading Quality Checklist
- ES-501-1 - Post Exam Check Sheet

Facility: CRYSTAL RIVER

Date of Examination: 9/25/00

Examinations Developed by: Facility / NRC (circle one)

Target Date*	Task Description / Reference	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a & b)	MA 5/1
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	ATA
-120	3. Facility contact briefed on security & other requirements (C.2.c)	ATA
-120	4. Corporate notification letter sent (C.2.d)	ATA
[-90]	[5. Reference material due (C.1.e; C.3.c)]	ATA
-75	6. Integrated examination outline(s) due (C.1.e & f; C.3.d) ^(5/22)	ATA
-70	7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)	ATA
-45	8. Proposed examinations, supporting documentation, and ^{6/19 (w)} reference materials due (C.1.e, f, g & h; C.3.d) _{(7/17) or}	ATA
-30	9. Preliminary license applications due (C.1.i; C.2.g; ES-202) ^{8/22}	ATA
-14	10. Final license applications due and assignment sheet prepared (C.1.i; C.2.g; ES-202)	ATA
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	ATA
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f & h; C.3.g)	ATA
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	ATA
-7	14. Final applications reviewed; assignment sheet updated; waiver letters sent (C.2.g, ES-204)	ATA
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee and authorization granted to give written exams (if applicable) (C.3.k)	ATA
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	ATA

* Target dates are keyed to the examination date identified in the corporate notification letter. They are for planning purposes and may be adjusted on a case-by-case basis in coordination with the facility licensee.

[] Applies only to examinations prepared by the NRC.

Facility:		Date of Examination:		
Item	Task Description	Initials		
		a	b*	c
W R I T T E N	1. a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	cmc	Paul	AK
	b. Assess whether the outline was systematically prepared and whether all knowledge and ability categories are appropriately sampled.	cmc	Paul	AK
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	cmc	Paul	AK
	d. Assess whether the repetition from previous examination outlines is excessive.	cmc	Paul	AK
S I M	2. a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, and major transients.	MG	Paul	AK
	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.	MG	Paul	AK
	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.	MG	Paul	AK
W / T	3. a. Verify that: (1) the outline(s) contain(s) the required number of control room and in-plant tasks, (2) no more than 30% of the test material is repeated from the last NRC examination, (3)* no tasks are duplicated from the applicants' audit test(s), and (4) no more than 80% of any operating test is taken directly from the licensee's exam banks.	MG	Paul	AK
	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.	MG	Paul	AK
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	MG	Paul	AK
	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.	MG	Paul	AK
G E N E R A L	4. a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	MG	Paul	AK
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	MG	Paul	AK
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	MG	Paul	AK
	d. Check for duplication and overlap among exam sections.	MG	Paul	AK
	e. Check the entire exam for balance of coverage.	MG	Paul	AK
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	MG	Paul	AK
a. Author	Melissa Galligan <i>Melissa Galligan</i> Printed Name / Signature			Date
b. Facility Reviewer(*)	Robert W. Young <i>Robert W. Young</i> David M. Porter <i>David M. Porter</i> Check Croster			5-10-00
c. Chief Examiner	<i>Gregory C. Stepper / George F. Stepper</i>			5-24-00
d. NRC Supervisor	<i>DOCA</i>			8/25/00

(*) Not applicable for NRC-developed examinations.

Facility:		Date of Examination:		
Item	Task Description	Initials		
		a	b*	c
W R I T T E N	1. a. Verify that the outline(s) fit(s) the appropriate model per ES-401.			
	b. Assess whether the outline was systematically prepared and whether all knowledge and ability categories are appropriately sampled.			
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.			
	d. Assess whether the repetition from previous examination outlines is excessive.			
S I M	2. a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, and major transients.	* cmc	DD	ATP
	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.	* cmc	DD	ATP
	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.	* cmc	DD	ATP
W / T	3. a. Verify that: (1) the outline(s) contain(s) the required number of control room and in-plant tasks, (2) no more than 30% of the test material is repeated from the last NRC examination, (3)* no tasks are duplicated from the applicants' audit test(s), and (4) no more than 80% of any operating test is taken directly from the licensee's exam banks.			
	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.			
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.			
	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.			
G E N E R A L	4. a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.			
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.			
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.			
	d. Check for duplication and overlap among exam sections.			
	e. Check the entire exam for balance of coverage.			
	f. Assess whether the exam fits the appropriate job level (RO or SRO).			
a. Author <u>CHARLES M. CROSTEN</u> b. Facility Reviewer(*) <u>R. David deMontfort</u> c. Chief Examiner <u>G. T. Hopper</u> d. NRC Supervisor <u>M. E. ERNSTES</u>		Printed Name / Signature <u>CM Crosten</u> <u>R. David deMontfort</u> <u>G. T. Hopper</u> <u>M. E. ERNSTES</u>		Date 7-13-00 7/13/00 7/27/00 7/11/00
(*) Not applicable for NRC-developed examinations.				

* REVISION #1 OF SIMULATOR SCENARIOS #1, 2 AND 3 NO ADDITIONAL OUTLINES ADDRESSED BY THIS SUBMITTAL.



Mr. George Hopper
TRX-00-0190

USNRC
Samm Nunn Atlanta Federal Center
61 Forsyth St. SW Suite 23T85
Atlanta, Ga. 30303-8931

Subject: Examination Security Agreement – Form ES-201-3

Mr. Hopper:

Attached please find the completed examination security agreement for our 2000 license examination. The final page of this form is a Fax used to obtain the post-examination signature of Mr. Robert W. Young. Mr. Young's signature was obtained in this manner because he is no longer employed by Florida Power Corporation and lives out of the state of Florida.

If you need any additional information or assistance please contact Chuck Crosten at 352-795-0504, Ext: 6191.

Sincerely:

A handwritten signature in black ink, appearing to read "Gregory Sutter", is written over a light blue horizontal line.

Gregory Sutter
Supervisor, Operations Initial Training

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of ²⁰⁰⁰ 9-11 - 9-29 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 9-17 & 9-29 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. CHARLES M. CROSTEN	NUCLEAR OPERATIONS INSTRUCTOR	<i>CM Crosten</i>	1-11-00	<i>CM Crosten</i>	9-28-00
2. David M. Porter	Supervisor Initial Operator Training	<i>D.M. Porter</i>	1-13-00	<i>D.M. Porter</i>	10-2-00
3. LINDA G. SNOW	SUPERVISOR, NUC TRNG ADMIN	<i>Linda G. Snow</i>	1-13-00	<i>Linda Snow</i>	10/11/00
4. MELISSA GALLIAN	NUCLEAR OPERATION INSTRUCTOR	<i>Melissa Gallian</i>	1-20-00	<i>Melissa Gallian</i>	9-28-00
5. Stephen E. Chapin	Radio logical Emergency Planning	<i>Stephen E. Chapin</i>	2/15/00	<i>Stephen E. Chapin</i>	10/2/00
6. PERRY L ROSE	Sim Eng Maint. Super.	<i>Perry L. Rose</i>	2-16-00	<i>Perry L. Rose</i>	9-28-00
7. JACK SPRINGER	EOP Coordinator	<i>Jack Springer</i>	2/17/00	<i>Jack Springer</i>	10/2/00
8. JOHNNIE SMITH	NUCLEAR OPERATION INSTRUCTOR	<i>Johnnie D. Smith</i>	2/23/00	<i>Johnnie Smith</i>	9-28-00
9. WILLIAM D. GENTRY	SIMULATOR COMPUTER/CONTROL SPAC	<i>William D. Gentry</i>	2/23/00	<i>William D. Gentry</i>	10-2-00
10. L. WELDON HARDEN	Nuclear TRAINING Academic Specialist	<i>L. Weldon Harden</i>	2/25/00	<i>L. Weldon Harden</i>	10/2/00
11. RONALD D. TYRRE	NSM / TRAINING LIAISON	<i>R.D. Tyrre</i>	3/3/00	<i>R.D. Tyrre</i>	10/12/2000
12. ROBERT W. YOUNG	SUPERVISOR INITIAL TRAINING	<i>R. W. Young</i>	5-10-00	<i>R. W. Young</i>	
13. R. David deMontfort	Manager Nuclear Oper train Training	<i>R. David deMontfort</i>	5/11/00	<i>R. David deMontfort</i>	10/11/00
14. Christine M. McKim	Chief Nuclear Operator	<i>Christine M. McKim</i>	6-14-00	<i>Christine M. McKim</i>	10-2-00
15. MAX E. HIME JR.	NUCLEAR SHIFT SUPERVISOR	<i>Max E. Hime Jr.</i>	6-15-00	<i>Max E. Hime Jr.</i>	10/2/00

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of ²⁰⁰⁰ 9-11 - 9-29 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 9-17 & 9-24. 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. Scott Schiel	Nuclear Operator	<i>[Signature]</i>	06/15/2000	<i>[Signature]</i>	10/02/2000
2. TRUC DUONG	Simulator System Engr.	<i>[Signature]</i>	06/22/00	<i>[Signature]</i>	9/28/00
3. Mary B. Warren	Nuclear Operator	Mary B. Warren	8.21.00	Mary B. Warren	10.2.00
4. BRYAN FERGUSON	WCCS/STA	<i>[Signature]</i>	8.21.00	<i>[Signature]</i>	10.12.00
5. MARK GARRISON	CHIEF NUCLEAR OPERATOR	<i>[Signature]</i>	8/21/00	<i>[Signature]</i>	10/6/00
6. Gregory L. Sutter	NSM / SOIT (ops rep)	<i>[Signature]</i>	9-26-00	<i>[Signature]</i>	9-28-00
7. Brent Franker	Nuclear Operator	<i>[Signature]</i>	9-26-00	<i>[Signature]</i>	10-13-00
8. TIM SMITH	CND	<i>[Signature]</i>	9/26/00	<i>[Signature]</i>	10/2/00
9. LEN CLEWETS	MANAGER, OPERATIONS	<i>[Signature]</i>	9/27/00	<i>[Signature]</i>	10/2/00
10. Mike Annaccone	Assistant Director Operations	<i>[Signature]</i>	9/27/00	<i>[Signature]</i>	9/28/00
11.	LAST ENTRY				
12.					
13.					
14.					
15.					

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of ¹⁰⁰⁰ ~~9-11-9-27~~ 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 ~~9-17-9-24~~ From the data 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. CHARLES M. CROTTY	NUCLEAR OPERATIONS INSTRUCTOR	CM CroTTY	1-11-00	CM CroTTY	9-28-00
2. David M. Porter	Supervisor Initial Operator Training	DM Porter	1-13-00	DM Porter	10-2-00
3. LINDA G. SNOW	SUPERVISOR, NUC TRNG ADMIN	Linda G. Snow	1-13-00	Linda G. Snow	10/1/00
4. MELISSA GALLAN	NUCLEAR OPERATION INSTRUCTOR	Melissa Gallan	1-20-00	Melissa Gallan	9-28-00
5. Stephen G. Chapin	Radio logical Emergency Planning	Stephen G. Chapin	2/15/00	Stephen G. Chapin	10/2/00
6. PERRY L ROSE	Sim Eng Maint. Super.	Perry L. Rose	2-16-00	Perry L. Rose	9-28-00
7. JACK SPRINGER	Lab Coordinator	Jack Springer	2/17/00	Jack Springer	10/2/00
8. JOHNNIE SMITH	NUCLEAR OPERATION INSTRUCTOR	Johnnie Smith	2/23/00	Johnnie Smith	9-28-00
9. WILLIAM D. GENTRY	SIMULATION COMPUTER/CONTROLS	William D. Gentry	2/29/00	William D. Gentry	10-2-00
10. L. WELDON HARRON	Nuclear TRAINING Academic Specialist	L. Weldon Harron	2/29/00	L. Weldon Harron	10/2/00
11. RONARD J. TYLIE	NSM / TRAINING LIAISON	RJ Tylie	3/3/00	RJ Tylie	10/12/2000
12. ROBERT W. YOUNG	SUPERVISOR INITIAL TRAINING	Robert W. Young	5-10-00	Robert W. Young	10-10-2000
13. R. David Clement	Manager Nuclear Operations Training	R. David Clement	5/10/00	R. David Clement	10/11/00
14. CHRISTINE M. MCKIM	Chief Nuclear Operator	Christine M. McKim	6-14-00	Christine M. McKim	10-2-00
15. MAX E. HINE JR.	NUCLEAR SAFETY SUPERVISOR	Max E. Hine Jr.	6-15-00	Max E. Hine Jr.	10/1/00

NOTES:

Facility: <u>CRYSTAL RIVER UNIT #3</u>		Date of Examination: <u>9-25-00</u>		Operating Test Number: <u>1</u>	
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).	MG	DO	AK	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	MG	DO	AK	
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).	MG	DO	AK	
d.	Overlap with the written examination and between operating test categories is within acceptable limits.	MG	DO	AK	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	MG	DO	AK	
2. WALK-THROUGH (CATEGORY A & B) CRITERIA		-	-	-	
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> • initial conditions • initiating cues • references and tools, including associated procedures • validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee • specific performance criteria that include: <ul style="list-style-type: none"> - detailed expected actions with exact criteria and nomenclature - system response and other examiner cues - statements describing important observations to be made by the applicant - criteria for successful completion of the task - identification of critical steps and their associated performance standards - restrictions on the sequence of steps, if applicable 	MG	DO	AK	
b.	The prescribed questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.	NA	DO	AK	
c.	Repetition from operating tests used during the previous licensing examination is within acceptable limits (30% for the walk-through) and do not compromise test integrity.	MG	DO	AK	
d.	At least 20 percent of the JPMs on each test are new or significantly modified.	MG	DO	AK	
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.	MG	DO	AK	
Printed Name / Signature		Date			
a. Author	<u>MELISSA GALLIAN / Melissa Gallian</u>	<u>6-29-00</u>			
b. Facility Reviewer (*)	<u>R. David deMontfort / R. David deMontfort</u>	<u>7/14/00</u>			
c. NRC Chief Examiner (*)	<u>G.T. HOPPER / G.T. Hopper</u>	<u>9/14/00</u>			
d. NRC Supervisor (*)	<u>M.E. ERNSTES / M.E. Ernestes</u>	<u>9/14/00</u>			
(*) The facility signature is not applicable for NRC-developed tests; two independent NRC reviews are required.					

Facility: <u>CRYSTAL RIVER UNIT #3</u> Date of Exam: <u>9-25-00</u> Scenario Numbers: <u>1,2,3</u> Operating Test No.: <u>1</u>					
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.	MB	DD	AK	
2.	The scenarios consist mostly of related events.	MB	DD	AK	
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)	MB	DD	AK	
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.	MB	DD	AK	
5.	The events are valid with regard to physics and thermodynamics.	MB	DD	AK	
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	MB	DD	AK	
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.	N/A	DD	N/A	
8.	The simulator modeling is not altered.	MB	DD	AK	
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.	MB	DD	AK	
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.	MB	DD	AK	
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	MB	DD	AK	
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).	MB	DD	AK	
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	MB	DD	AK	
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		Actual Attributes	-	-	-
1.	Total malfunctions (5-8)	9, 7, 6	MB	DD	AK
2.	Malfunctions after EOP entry (1-2)	2, 1, 1	MB	DD	AK
3.	Abnormal events (2-4)	2, 2, 3	MB	DD	AK
4.	Major transients (1-2)	1, 1, 1	MB	DD	AK
5.	EOPs entered/requiring substantive actions (1-2)	2, 1, 2	MB	DD	AK
6.	EOP contingencies requiring substantive actions (0-2)	0, 0, 1	MB	DD	AK
7.	Critical tasks (2-3)	3, 3, 2	MB	DD	AK

OPERATING TEST NO.: Group I**

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

Instructions: (1) Enter the operating test number and Form ES-D1 event numbers for each evolution type.
 (2) Reactivity manipulations may be conducted under normal or controlled abnormal conditions (refer to Sections D.4.d) but must be significant per Section C.2.a of Appendix D.

**This form will be submitted again after the crew composition has been finalized and scenario outline approval.

Author: Melissa Gelber 9-8-00

Chief Examiner: [Signature] 9/11/00

OPERATING TEST NO.: Group 2**

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	4
RO#1 Kuhlman	Reactivity	1	-	3		
	Normal	1	2	-		
	Instrument	2	-	2, 5		
	Component	2	4	4		
	Major	1	8	8		

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

SRO#1 Murray	Reactivity	0	-			
	Normal	1	2			
	Instrument	1	1, 3			
	Component	1	4, 5, 7			
	Major	1	8			

Instructions: (1) Enter the operating test number and Form ES-D1 event numbers for each evolution type.
 (2) Reactivity manipulations may be conducted under normal or controlled abnormal conditions (refer to Sections D.4.d) but must be significant per Section C.2.a of Appendix D.

**This form will be submitted again after the crew composition has been finalized and scenario outline approval.

Author: Melissa Arllian 9-9-00

Chief Examiner: Mark Rappert 9/11/00

OPERATING TEST NO.: Group 3**

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	4
SRO#2 Barnes	Reactivity	0		-		
	Normal	1		1		
	Instrument	1		2, 5		
	Component	1		3, 4, 6		
	Major	1		8		

Instructions: (1) Enter the operating test number and Form ES-D1 event numbers for each evolution type.

(2) Reactivity manipulations may be conducted under normal or controlled abnormal conditions (refer to Sections D.4.d) but must be significant per Section C.2.a of Appendix D.

**This form will be submitted again after the crew composition has been finalized and scenario outline approval.

Author: Melissa Gallion 9-8-00

Chief Examiner: AD Brown 9/14/00

Competencies	Morris SRO-I				Sweeney SRO-I				Moffatt SRO-I			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms	4	3			1,4	3			1,4	3		
Diagnose Events And Conditions	4,7	4,8			3,7	4,8			3,7	4,8		
Understand Plant And System Response	1,5	2,8			5,6	2,8			5,6	2,8		
Comply With and Use Procedures (1)	2,4 6,7 8	3,6			4,6 7,8	1,3 6			4,6 7,8	1,3 6		
Operate Control Boards (2)	n/a	2,4 6,7			1,5 6	n/a			1,5 6	n/a		
Communicate and Interact with the Crew	All	All			All	All			All	All		
Demonstrate Supervisory Ability (3)	2,6 8	n/a			n/a	4,6 8			n/a	4,6 8		
Comply With and Use Tech. Specs. (3)	2	n/a			n/a	1			n/a	1		

Notes:

- (1) Includes Technical Specification compliance for an RO.
- (2) Optional for an SRO-U.
- (3) Only applicable for SROs.

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.

Author: Melissa Galligan 9-8-00
 Chief Examiner: [Signature] 9-11-00

Competencies	Kuhlman RO				Murray SRO-U				Barnes SRO-U			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms	7	3			4					3		
Diagnose Events And Conditions	7,8 9	4,8			4,7					4,8		
Understand Plant And System Response	8,9	2,8			1,5					2,8		
Comply With and Use Procedures (1)	2,8 9	3,6			2,4 6,8 7					1,3 6		
Operate Control Boards (2)	8,9	2,4 6,7			n/a					n/a		
Communicate and Interact with the Crew	All	All			All					All		
Demonstrate Supervisory Ability (3)	n/a	n/a			2,6 8					4,6 8		
Comply With and Use Tech. Specs. (3)	n/a	n/a			2					1		

Notes:

- (1) Includes Technical Specification compliance for an RO.
- (2) Optional for an SRO-U.
- (3) Only applicable for SROs.

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.

Author: Melissa Sullivan 9-8-00
 Chief Examiner: Bob Hoffman 9-11-00

Facility:		Date of Exam			Exam Level: RO/SRO			
Item Description					Initial			
					a	b*	c#	
1.	Questions and answers technically accurate and applicable to facility				cme	00	fsm	
2.	a. NRC K/As referenced for all questions				cme	00	fsm	
	b. Facility learning objectives referenced as available				cme	00	fsm	
3.	RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401				cme	00	fsm	
4.	Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input checked="" type="checkbox"/> The audit exam was systematically and randomly developed; or - The audit exam was completed before the license exam was started; or <input checked="" type="checkbox"/> The licensee certifies that there is no duplication; or - The license exam was prepared by the NRC				cme	00	fsm	
5.	Bank use meets limits (no more than 50 percent from the bank, at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank	Modified	New	cme	00	fsm	
		RO / SRO	RO / SRO	RO / SRO				
		35 / 37	5 / 4	60 / 59				
6.	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		CIA		cme	00	fsm
		RO	SRO	RO	SRO			
		50	41	50	59			
7.	References/handouts provided do not give away answers				cme	00	fsm	
8.	Question content conforms with specific K/A statements in the previously approved examination outline; deviations are justified				cme	00	fsm	
9.	Question psychometric quality and format meet ES, Appendix B, guidelines				cme	00	fsm	
10.	The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet				cme	00	fsm	
Printed Name / Signature						Date		
a. Author	CHARLES M. CROSTEN / <i>cmcrosten</i>					6/29/00		
b. Facility Review (*)	R. David deMontfort / <i>R. deMontfort</i>					6/29/00		
c. NRC Chief Examiner (*)	LARRY S. Mellen / <i>L.S. Mellen</i>					8/25/00		
d. NRC Regional Supervisor (*)	MIKE ERNSTES / <i>Mike Ernestes</i>					9/11/00		
Note: *The facility reviewer's signature is not applicable for NRC-developed examinations; two independent NRC reviews are required.								
#See special instructions (Section E.2.c) for items 1, 5, and 8.								



Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward		
4-25 (001)	H	3											
4-14 (001)	H	3	X										What does that last sentence mean? I am not sure that long term means one minute. Corrected - OK
4-10 (003)	H	2		X									Remove the word "will" from the first sentence of distractor C or added it to distractor A. Strike "out of core detectors depend on leakage, therefore" from all choices. Corrected - OK
4-10 (002)	H	3											
4-37 (001)	F	2				X							Distractors B and D are never considerations in providing sources of water following a transient. Perhaps removing the reason and providing two alternative sources may be a solution for this. Corrected - OK
4-63 (002)	F	2											
3-08 (001)	F	2		X									Distractor A - Increased fission product not produce. All of the answers can be shortened to remove the teaching. See attached notes Corrected - OK
4-28 (004)	H	3											
4-07 (001)	H	3				X							Distractor A does not seem plausible. Perhaps a replacement may be - The air pressure provides the initial driving force for the fire services water after the fusible links are open. Corrected - OK
5-98 (001)	F	2				X							The basis for the second part of the reason for Distractor D is not clear Corrected - OK

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward			
4-68 (002)	F	2												Distractor C - Lube oil pressure 7 psig on 2 of 3 pressure switches Corrected - OK
4-75 (001)	H	3												
4-81 (001)	F	2												
4-91 (001)	H	2												
4-69 (001)	F	2												
4-11 (002)	H	3												
4-11 (001)	H	3	X	X										Remove reference to "these four thermocouples provide inputs to channel A and channel B of the core exit temperature recorders for the WX quadrant. This information is available in the reference material provided. Can be determined from B 3.3-125B PAM Instrumentation. Corrected - OK
4-60 (002)	H	4					X							Distractor A - If an operator believes that this task could be accomplished in two minutes, is this choice wrong? Similar to question 4-60 (003). Corrected - OK
4-52 (002)	H	3					X							C is also a correct answer. This will also happen if temperatures when temperature are greater than 145 degrees. Either reword stem or replace distractor. Corrected - OK
4-28 (006)	H	4												group 6 is at 100 %, group 7 is at 90%. This is group 7 greater than 20% and group greater than 95%. This is not group 7 greater than 20 5 and group 6 less than 95 %. There is no correct answer for this question. Corrected - OK
4-26 (002)	H	3												
4-31 (001)	F	2		X										In answer B replace the actual valid signal with RCS pressure readings, to be consistent with other distractors. Corrected - OK
START OF SECOND BOOK														
5-61 (001)	F	2												Stem- third bullet include SW in front of leak rate. Corrected - OK
5-99 (001)	H	3												
5-113 (001)	H	3												Suggest modifying stem to make B the correct answer. Corrected - OK

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward		
5-14 (001)	H	3		X									All of the answers can be shortened to remove the teaching. See attached notes Corrected - OK
5-01 (001)	H	3					X						D is not the correct answer. The temperature and pressure are in the ACCEPTABLE OPERATION region of curve 2.1.1-1. The correct answer appears to be A.. Corrected - Stem Modified OK
4-66 (001)	H	3		X									All of the answers can be shortened to remove the teaching. See attached notes. Corrected - OK
5-91 (001)	H	3											I cannot verify this question, with the information provided. I did not find enough information to ensure this was the basis. Corrected - OK
4-16 (001)	H	3											
3-25 (001)	H	3											Modify Distractor A to say something about offsite dose as described in the reason section to ensure it is not similar to the answer for 5-95-001. Corrected - OK
4-21 (001)	F	2											
4-28 (001)	F	2											
4-28 (002)	F	2											
5-95 (001)	H	3											Answer is Similar to distractors A and C for 3-25-001 Perhaps - Modify Answer: to say something about offsite dose as instead of non-condensables.. Corrected question 3-25-001 was modified and answer was corrected - OK
5-95 (002)	H	3				X							Modify distractor B. to say to that the procedure will provide guidance to reduce RCPs to a 1/1 combination. On answer C. Remove second sentence. Corrected - OK
4-54 (001)	F	3											Could argue that in Answer ARC-132-PT is not closed. And answer C is correct, because it will be closed at that pressure. Corrected - OK
4-55 (001)	H	3		X									Remove the first sentence in each distractor and the answer. Corrected - OK
2-32 (001)	F	2											
4-68 (001)	F	1(2)				X							None of the distractors seem plausible. If they are plausible, modify the stem to make anyone of the three the correct answer. Corrected distractor analysis for the answer has one incorrect number, will revise and resubmit. Does not affect the answer - OK
2-20 (001)	F	1(2)				X							This would make a better JMP than a question for the written examination. None of the distractors seem plausible when they are marked on the print. Corrected - OK

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward		
3-24 (001)	H	3					X						Change the correct answer to "minimize the time to DHR operation" If condensate is considered a feedwater source, then page 17 of OPS-3-24-LP states that conservation of condensate is a consideration for steaming both S/Gs. Answer A is also correct. Utility response - it is not considered another source - the question was correct as written.
4-12 (001)	H	3											
4-54 (002)	H	4				X							There is no information in the stem to determine that Distractor B is correct or incorrect. It seems to be consistent with the guidance given in the ARP ESA-KW1-03-06. This may be a partially correct answer. Utility response - additional information was provided. The question is correct as written.
4-56 (001)	H	3											
4-61 (001)	F	2											
4-62 (003)	H	3	X										I am not sure that the plant will still be in Mode 4 72 hours after a Large Break LOCA. In any case I am not sure there would be a lot of things the plant could do to get here even if it was not. EOPs are in effect at this point. I expect that the large gaping hole in the vessel would take priority over mode changes required by the BS TSs. This question does not appear to be valid. Utility response - additional information was provided. The question is correct as written.
4-81 (002)	F	2	X			X							IAV-30 will be affected, it will go closed. See attached notes Question was replaced. New question is OK
4-90 (002)	H	3	X			X							Remove (SBO) from stem. In AP-770 Distractor B is a portion of the sequence for defeating the "A" 4160 V ES Bus Lockout. The bus lock out cannot be defeated without completing that step. The distractor B is also a correct answer. Question stem revised - OK
5-01 (004)	H	3											
5-01 (005)	F	2											
5-14 (003)	F	2											Remove (BOP) from stem, Remove (ES) from distractor A, and Remove (PA) from distractor D. Corrected - OK
5-30 (001)	H	3		X									List Procedure and title only in answer and distractors. Strike and reason for entry from stem. Why is TS needed as a handout for this question? Corrected - OK
5-31 (001)	H	3											Remove "and perform required actions" from answer and distractors. Corrected - OK

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward			
4-60 (004)	H	4												Remove (LOCA) from stem. Question does not appear to be valid/ If the leak is small enough and the initial subcooling is low enough (initial conditions are not given) how can it be assumed that the PZR level was below 40 inches? Is the candidate expected to make this assumption because the other potential answers are implausible?. Corrected - additional information was added to the stem OK
4-52 (001)	H	3												
4-77 (001)	F	2												
2-31 (002)	F	2												
4-53 (001)	F	2				X								Distractors A and B are not plausible. The attached reference material does not have a 1 hour action statement associated CFT boron. Corrected - OK
5-14 (004)	H	3												Remove (EOP) from stem. Did not change -OK
5-77 (001)	F	3	X											This question need to be asked with a specific piece of plant equipment in peril and a specific position noticing this. I.e. During a loss of offsite power A rad waste operator hears a diesel generator... Something like this. Corrected - OK
5-43 (001)	F	3												
5-99 (002)	H	3		X		X								See attached revision to distractors and answer. Corrected - OK
4-63 (004)	H	3												
5-34 (003)	F	2												
5-40 (001)	F	2												
5-42 (001)	F	2												
5-42 (002)	F	2												
5-50 (001)	H	3												This question was not evaluated. The material supplied does not support the answer of immediate evacuation.. Additional Material supplied - OK
5-69 (001)	F	3												Similar to another question. Other question was modified - OK

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job- Link	Minutia	#/ units	Back- ward		
5-83 (001)	F	2				X							Replace distractors A, B and C see attached notes. Question as written has low discrimination value. Corrected - OK
5-95 (003)	F	3				X							Replace distractors A, B and C see attached notes. Corrected - OK
5-96 (001)	H	2											Remove (RCS) and ADV from stem Corrected - OK
5-102 (002)	H	3											Remove all the word in the parentheses from the answer and the distractors. Corrected - OK
5-96 (002)	H	3											
4-10 (006)	F	3											
5-98 (001)	F	3											
5-99 (002)	F	2											
X													

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. U/E/S	6. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Back-ward		
4-13 001	H	3											Remove (LOCA) and (SWT-1) from stem and (RBIC), (ES), and (HPI) from the distractors. Corrected - OK
4-66 002	H	2											This condition causes no alarms. Question is OK
5-97 001	H	3											The intent of the step is to remove non-condensable gases that are collected that may interfere with natural circulation. Not just hydrogen. Answer D is not entirely correct. Suggest modifications on attached. Corrected - OK
4-62 001	F	2											
4-60 001	H	3											
5-01 002	F	2							X				This level of detail is normally not required memory level knowledge. - Reference to be provided - OK
5-101 001	H	3		X									Remove words in answer and distractors following by or due to. This removes the cues. Corrected - OK
5-102 001	H	3		X									Remove the first sentence in the answer and the distractors. This removes the cues. Corrected - OK
4-90 001	H	3											Remove (Engineered Safeguards) from stem and (OPT) from the distractor. Corrected - OK
4-93 001	F	2				X							What is the purpose of the word "attempting" in the stem?. Distractor D is not credible. Not enough information was provided to suggest a replacement. Corrected - OK
4-37 002	H	3											Remove the (MSLI) and (MFLI) from stem. Corrected - OK
4-03 003	H	3											
RO ONLY													
4-26 001	H	3											Include in the stem, no radiation alarms sound. Corrected - OK

3-08 (001)

- A. Increased centerline melting
- B. Increased I-131 Gap activity
- C. Accelerated cladding oxidation
- D. Exceeding dose 10CFR20 guidelines

4-14 Add to stem. The Associated LLBV is closed. Which of the following describes the first required action to return these stations to automatic?

- A. SUCV must be transferred to auto first
- B. LLBV must be opened first
- C. LLCV must be transferred to auto first
- D. FW loop master must be transferred to auto first

5-14

Remove "and the reason for this response" from the stem.

- A. Both main feed pumps will continue to run
- B. The A main feed pump will trip, B will continue to run
- C. Both main feed pumps will trip
- D. The B main feed pump will trip, A will continue to run

4-66 -001

A. Turbine bypass valves selected to automatic control on the MCB will fail closed. The turbine bypass valves in manual must be controlled at 1025 psig from the MCB.

- B. Do not modify answer

C. Turbine bypass valves selected to automatic control on the MCB will control at 1025 psig. The turbine bypass valves in manual must be controlled at 1025 psig from the MCB.

D. All Turbine Bypass valves will control at 1025 regardless of the status of the MCB control stations.

4-81-002

What will be the initial operator actions or automatic system response?

A. IAV-30 will close and isolate the instrument air system from the break.

B. The back up air system will activate and provide up to 500 scfm of air for approximately 30 minutes through IAV-30

C. SAV-6 will open and bypass flow through SAV-6 will maintain instrument air pressure using back up supply.

D. Enter AOP-470 and follow the guidance for starting and aligning additional air compressors.

5-10 - 001

B. Group 6 rod 2 is operable for shutdown margin purposes. Shutdown margin is not effected.

C. Remove the word "and" and start a second sentence with Shutdown.

D. Remove the words from But ... to the comma and start a second sentence with Shutdown.

5-99-002

A. Necessary for operators to place alternate cooling in service

B. Sets system up for maintenance

C. Prevents system water hammer on DHR pump restart.

D. Ensures adequate inventory to prevent boron precipitation.

5-83 - 001

Which of the following are entry conditions for AP-1050

A. The COND PUMP SUMP LEVEL HIGH annunciator has alarmed and two CCW pumps tripped. All CDP pumps are running normally. A non-licensed operator reports that the high sump level is the only indication of flooding.

B. A running CDP pump decouples, another CDP pump trips and a non-licensed operator reports significant quantities of water on the floor around the condensate pump sump (this is determined to be indication of flooding) and the COND PUMP SUMP LEVEL HIGH annunciator has not alarmed, but is filling.

Both CDP pump trips and a non-licensed operator reports significant quantities of water on the floor around the condensate pump sump (this is determined to be indication of flooding) and the COND PUMP SUMP LEVEL HIGH annunciator has not alarmed, but is filling.

D. The COND PUMP SUMP LEVEL HIGH annunciator has alarmed and one CDP pump has tripped, the other pump is running normally. A non-licensed operator reports that the high sump level is the only indication of flooding.

Correct answer is D. Per AP-1050

5-95 - 003

A. Continue on with the procedure, return to this step when the area becomes accessible

B. Contact the TSC for further guidance

C. Implement 10 CFR 50.54X and determine an alternate method of aligning High pressure Aux Spray with equipment that is both accessible and available

D. leave as written

Facility: <i>CRYSTAL RIVER</i>		Date of Exam: <i>9-22-00</i>		Exam Level: <u>RO</u> / <u>SRO</u>	
Item Description		Initials			
		a	b	c	
1.	Answer key changes and question deletions justified and documented	<i>MB</i>	<i>CME</i>	<i>AA</i>	
2.	Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<i>MB</i>	<i>CME</i>	<i>AA</i>	
3.	Grading for all borderline cases (80% +/- 2%) reviewed in detail	<i>MB</i>	<i>CME</i>	<i>AA</i>	
4.	All other failing examinations checked to ensure that grades are justified	<i>MB</i>	<i>CME</i>	<i>AA</i>	
5.	Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	<i>MB</i>	<i>CME</i>	<i>AA</i>	
		Printed Name / Signature		Date	
a. Grader	<i>MELISSA GALLIAN / Melissa Gallian</i>		<i>10-23-00</i>		
b. Facility Reviewer(*)	<i>CHARLES MCROUSE / CM Crouse</i>		<i>10-23-00</i>		
c. NRC Chief Examiner (*)	<i>George T. Happer / George T. Happer</i>		<i>10-26-00</i>		
d. NRC Supervisor (*)	<i>Michael E. Eroster / Michael E. Eroster</i>		<i>10-26-00</i>		
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

Task Description	Date Complete
1. Facility written exam comments or graded exams received and verified complete	10/4/00
2. Facility written exam comments reviewed and incorporated and NRC grading completed, if necessary	N/A
3. Operating tests graded by NRC examiners	10/19/00
4. NRC Chief examiner review of written exam and operating test grading completed	10/19/00
5. Responsible supervisor review completed	10/19/00
6. Management (licensing official) review completed	10/25/00
7. License and denial letters mailed	10/26/00
8. Facility notified of results	10/25/00
9. Examination report issued (refer to NRC MC 0610)	10/26/00
10. Reference material returned after final resolution of any appeals	N/A