as of:

4/4/00

Chief: P GAGE

Facility/Task: W3 EX

Task Start Date: 10/9/00

			T	
	ITEM DESCRIPTION	DUE DATE	INIT	DATE
0	Exam/Inspection Schedule Agreement (C.1.a;C.2.a&b)	Apr 12, 2000	JLP	4/4/2000
1	NRC Staff & Fac. Contact Assigned (C.1.c;C.2.e)	Apr 12, 2000	JLP	4/4/2000
2	Facility contact briefed on security & other issues (C.2.c)	Apr 12, 2000	JLP	4/4/2000
3	Corp. Notification Letter Sent (C.2.d) (Exams only)	Apr 12, 2000	2	4/20/00
3a	Inspection Announcement Letter Sent (PIR & LORT if req'd)	Aug 25, 2000	NA	NIA
4	Task Expectations, Issues, & Standards Discussed w/ BC	Jul 11, 2000	A	6/21/00
5#	[Reference Material Due (C.1.d;C.3.c)]	Jun 11, 2000	SE.	6/13/00
6#	Integrated Exam Outlines Due (C.1.d&eC.3.d)	Jun 11, 2000	L	6/13/00
7#	Outlines reviewed by NRC & Feedback Sent (c.2.h;C.3.e)	Jun 25, 2000	L	6/22/00
8#	Preliminary Applications Due (C.1.j;C.2.g;ES202)	Sep 9, 2000	2	9/1460
9#	Draft Exams w/ Doc./Ref. Due (C.1.d/e/f;C.3.d)	Aug 10, 2000	2	8 /25/00
10#	Peer Reviewer Initials As Reviewed All Parts*	Aug 20, 2000	व	8/30/00
11#	NRC Supervisor. Initials Approving for Fac. Rev. (C.2.h;C.3.f)*	Aug 20, 2000	De la company de	9/21
12#	Exams Reviewed w/ Fac. (C.1.h;C.2.f&hC.3.g)	Aug 20, 2000	L	9/25/00
13#	Final Appl. Due & Assign. Sheet Prepared (C.1.j;C.2.h;ES202)	Sep 25, 2000	2	10/2/00
14#	NRC Supervisor Approved Final Exams (C.2.i;C.3.h)*	Oct 2, 2000	9101	10/4/00
15#	Final Appl. Rec'd & Waivers Sent (C.2.g)	Oct 2, 2000	A	10/2/00
16#	Proctor Rules Reviewed w/ Fac. & Written Authorized (C.3.k)	Oct 2, 2000	A	10/2/00
17	Exam/Insp Material to Team (C.3.i)	Oct 2, 2000	R	10/2/00
18#	Fac. graded exam & Comments Rec'd	Oct 21, 2000	Q	10/16/00
19#	NRC Written Grading Completed	Oct 24, 2000	20	10/19/00
20#	Examiners Finished Grading Op. Tests	Oct 24, 2000	A	10/19/00
21#	NRC Ch. Ex. Review Completed	Nov 3, 2000	P	10/26/00
22	NRC BC Review Completed*	Nov 4, 2000	71	10 pt for
23#	RPS/IP # Examinees Updated Before Report Issued	Nov 9, 2000	R	119/00
24	License/Denials Signed & Report Issued	Nov 9, 2000	Q	10/26/00
25	Package Closed Out	Nov 30, 2000	X	1/18/00
	Final Inspection Report Issued, Exam Package to OLA, Facility.	Contact Notified	of Result	

[#] Not required for inspections, except as noted.

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

Last revised 4/4/00.

S:\DRS\OB\Boilerplate\MISC-BOX\assignment-sheet.wpd

^{*} Note Supervisor/Peer initials required.

^[] Required NRC-auth. exams only.

	Waterford III Date of Examination: 10/10/00	Т		
Item	Task Description	а	Initials b*	С
1.	a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	0	20	M
W R	 Assess whether the outline was systematically an randomly prepared in accordance with Section D.1 of ES-401 and whether all knowledge and ability categories are appropriately sampled. 	a	TW	M
T T	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	0	M	W
T E N	d. Assess whether the repetition from previous examination outlines is excessive.	0	14	Ŋ
2.	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.	0	Ned	p
S I M	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.	a	NUF	p
	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.	0	The	ſ
3. W / T	 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. 	Q ²	Jus	1
İ	 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. 	a	ped	
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	a	W	1
	 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. 	0	no	1
4.	 Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section. 	a	w	N
G E	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	0	RI	1
N E	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	0	W	1
R A	d. Check for duplication and overlap among exam sections.	0	us	1
L	e. Check the entire exam for balance of coverage.	0	rus	M
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	a	nut	1
Chief E	Printed Name/Signature ARTHUR N. VEST SR. Inthe Month. Reviewer(*) 6/6	ate 12-00 16/00	- 5 2 W	

F	S.	.4	n	1

Written Examination Quality Checklist

Form ES-401-7

Facility: Waterford III Date	e of Exam:	10/6/00		Exam Level	: SRO		
Item Description						Initial	
			·		а	b*	c#
Questions and answers technically accurate and applic	able to facil	ity			D	Theo	MX
a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available					0	W	Ma
RO/SRO overlap is no more than 75 percent, and SRO Section D.2.d of ES-401	questions a	are appre	opriate	per	0	W	M.gg
4. Question duplication from the license screening/audit education below (check the item that applies) and appears appropute the audit exam was systematically and randomly developed the audit exam was completed before the license example that there is no duplication; orthe license example by the NRC	d	aced	May				
 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		0	The	M _Q		
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	15 0 85 Memory C/A		65	0	Mus	Mag	
	41		59		1	710	Ma
7. References/handouts provided do not give away answer				1	+-	PUR -	10 01
 Question content conforms with specific K/A statement examination outline; deviations are justified 	s in the prev	viousiy a	pprov	ea 	0	Me	NA
9. Question psychometric quality and format meet ES, Ap	pendix B, g	uideline	S		0	na	MAP
The exam contains 100, one-point, multiple choice item with value on cover sheet	ns; the total	is correc	t and	agrees	a	Mo	Map
a. Author b. Facility Reviewer(*) c. NRC Chief Examiner(*) d. NRC Regional Supervisor(*) Note: * The facility reviewer's signature is not applicable for I	Name / Signature	00.	d)	ons; two inc	depender	<u>४/</u> ७ <u>छ</u> / २	ate 23/20 22/-00 22/-00 21/20 eviews
are required. # See special instructions (Section E.2.c) for Items 1, ,		hen eys	umal	ons, two me	achenner	R NAC I	VIEWS

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Facility: Waterford 3 Date of Examination: 10/10/00 Operating	Test N	umber:	1
		Initials	3
1. GENERAL CRITERIA	а	b	С
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).	a	aux	M
 There is no day-to-day repetition between this and other operating tests to be administered during this examination. 		rw	M
c. The operating test shall not duplicate items from the applicants' audit test(s)(see Section D.1.a).	0	JUHE	Mol
d. Overlap with the written examination and between operating test categories is within acceptable limits.	a	RUL	M
e. It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.		Ruse	Mg
2. WALK-THROUGH (CATEGORY A & B) CRITERIA			
a. Each JPM includes the following, as applicable:			
 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: 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 	0	ZU	Z 3
b. The prescripted questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.	a	KA	Ma
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.	a	W	Ma
d. At least 20 percent of the JPMs on each test are new or significantly modified.	C.	NUF	MX
3. SIMULATOR (CATEGORY C) CRITERIA	_	1	
The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.	a	RUT	MR
a. Author b. Facility Reviewer(*) c. NRC Chief Examiner (*) d. NRC Supervisor (*) (*) The facility signature is not applicable for NRC-developed tests; two independent NRC reviews are required.	·I oc	o los lulos	

Facility:	Waterford III Date of Exam: 10/10/00 Scenario Numbers: 1 / 2 / 3 / 4	Operating Test No.: 1	_				
	QUALITATIVE ATTRIBUTES		Initia	als			
			а	b	С		
1.	R	24	MA				
2.	The scenarios consist mostly of related events.		0	no	Mgo		
3.	V	w	MA				
4.	No more than one non-mechanistic failure (e.g., pipe break) is incorporated i without a credible preceding incident such as a seismic event.	nto the scenario	N	no	Moq		
5.	The events are valid with regard to physics and thermodynamics.		0	20	NSI		
6.	Sequencing and timing of events is reasonable, and allows the examination complete evaluation results commensurate with the scenario objectives.	team to obtain	d	No	A		
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. 						
8.	The simulator modeling is not altered.						
9.	 The scenarios have been validated. Any open simulator performance deficiencies have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios. 						
10.	Every operator will be evaluated using at least one new or significantly modi other scenarios have been altered in accordance with Section D.4 of ES-30		0	Mid	MS		
11.	All individual operator competencies can be evaluated, as verified using For the form along with the simulator scenarios).	m ES-301-6 (submit	a	ao	MA		
12.	Each applicant will be significantly involved in the minimum number of transi specified on Form ES-301-5 (submit the form with the simulator scenarios).	ents and events	0	200	ME		
13.	The level of difficulty is appropriate to support licensing decisions for each c	rew position.	0	W	MA		
TARGI	ET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)	Actual Attributes					
1.	Total malfunctions (5-8)	7/6/6/7	0	NO	Ma		
2.	Malfunctions after EOP entry (1-2)	2/1/2/2	0	nu	MA		
3.							
4.	Major transients (1-2)	2/2/2/2	0	20	Mg		
5.	EOPs entered/requiring substantive actions (1-2)	1/1/1/1	0	no	MP		
6.	EOP contingencies requiring substantive actions (0-2)	2/0/1/2	a	no	Mol		
7.	Critical tasks (2-3)	2/2/3/3	0	THA	M		

OPERATING TEST NO.: 1

Applicant Type	Evolution Type	Minimum Number	Scenario Number			ber
			1	2	3	4
50	Reactivity	1	N/A	N/A	N/A	N/A
RO	Normal	1	N/A	N/A	N/A	N/A
		 	 			
	Instrument	2	N/A	N/A	N/A	N/A
	Component	2	N/A	N/A	N/A	N/A
	Major	11	N/A	N/A	N/A	N/A
As RO	Reactivity	1	1	1	1	3
	Normal	0	N/A	N/A	N/A	N/A
	Instrument	1	4	2,3	4	1
	Component	1	5	4	3,5	3
	Major	1	6,7	5,6	5,6	5,6
SRO-I		<u></u>	·	<u> </u>		
	Reactivity	0	N/A	N/A	N/A	N/A
As SRO						
	Normal	11	1	1	1	3
	Instrument	1	2,4	2,3,	2,4	1,4
	Component	1	3,5	4	3,5	2,3
	Major	1 1	6,7	5,6	5,6	5,6
	Reactivity	0	N/A	N/A	N/A	N/A
	Normal	1	1	1	1	3
SRO-U	Instrument	1	2,4	2,3,	2,4	1,4
	Component	1	3,5	4	3,5	2,3
	Major	1	6,7	5,6	5,6	5,6

Instructions:

(1)

Enter the operating test number and Form ES-D-1 event numbers for each evolution type.

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. (2)

Author:

Chief Examiner:

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

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 co	mpetency for every applicant. / //
Author:	(M //. (/ FO) (1)
	~ 100
Chief Examiner:	(Parl Hoco , V

Facility: Waterford 3	Date of Exam: 10/06/00 Exam	Level: F	RQ/SR)				
. It	em Description	а	b	С				
Clean answer sheets	copied before grading	O .	Zut	SR				
Answer key changes documented	and question deletions justified and	a	Telet	Q.				
• •	necked for addition errors k > 25% of examinations)	a	Rut	24				
Grading for all borde detail	rline cases (80% +/- 2%) reviewed in	0	Zuo	Æ				
5. All other failing exam are justified	ninations checked to ensure that grades	NA	Tus	Q				
deficiencies and wor	sed questions checked for training ding problems; evaluate validity of half or more of the applicants	0	Tut	H				
	Printed Name / Signature		D	ate				
a. Grader	ARTHUR W. VEST SR. Jahr D. Vist	9	<u> 10/1</u>	3/04				
b. Facility Reviewer(*)	ROBERT W. FLETCKER/ZWILL	- -	10.	13-00				
c. NRC Chief Examiner (*)	Paul Gage/Paul Page	<u>ر</u>	10/	19/00				
d. NRC Supervisor (*)	Jufellet Johnstollet	.	10/1	900				
` '	s signature is not applicable for examinatio	ns grade	ed by th	ne NRC;				

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11/09/2000

Report 21

Region: 4

09:52:11

Operator Licensing Exam Schedule From 10/01/2000 To 09/30/2001

Phase Code: 5 Operational

Exam Week Site/Docket No./Insp Rpt #	# Candidates	Туре	Exam Author	Chief Examiner	Examiners Assigned
10/10/2000 Waterford / 05000382 / 2000301	SROI - 2 SROU - 4	Admin	FFF	GAGE, PAUL C.	GAGE, PAUL C. MCCRORY, STEPHEN L. MURPHY, MICHAEL E.

Sites: WAT Orgs: ALL

Exam Author:ALL

Pre-Examination 1.

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 10 027 00 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC. Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

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 Interesting 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. ARTHUR N. VEST. JR.	SR. INSTRUCTOR / AUTHOR	Att SILA	el la	MAN IM	
2. DYNE K. CASSINY	INSTRUCTOR /Co A TUIL		38/00	John John Marine	13/12/00
3. ROBERT U. FLETCHER	OPS TRAINING SUPPRISOR/SUPPRISOR	wheren	5.8.00	Market	18-12-00
4. JK M O'HERN 5. SCOTT P. WOLFE	MANAGER, TRATILITA 6 EP	Jan 12	6-13-00	In m w	10-13-00
6. Arthur K Chester	_ RO/5RO SUPERVISOR	Toget Wolfe	8-7-00	Digt PW. Ge	10-13-00
7. Legret Embers	Chem Syp. / Environmental		<u>8-8-00</u>	Higherthan	10-13-00 1
8. Kager Jones	Simulator Support Superin	as Recent leaves	8-9-00	fita)	16-16.00
9. ARVEL HALL	LAS / WATTENEXAM VALIDAT	ox he pupe thele	8/18/00	Clams Hallo	10/13/00
10. Glew misournes 11. Melisse Becnel	Sim support / Hano / Su mazori.	gla dought	8/14/00	32m conel	10/16/2000
12. Story Choppy	Sr. Secretary Ing.	Meliss Beand	8/24/00	Milis Beent	10-11-00
13. Robert GLAZE	INSTRUCTOR / SEM W/A for operator	Nort Chopping	_10/11/00_	Dust Crypn	18-11-00
14. WILLIAM METUNEY	CONTROL ROOM SUPERVISOR	Clf Minuff	- 10/12/00 -	Robert Glas	1912/0
15. BRYAN PELLEGRIN	SHIFT TECHNICAL ADVISOR	my my	10/12/00	MANAGEN	10/13/00
NOTES: 7		0 0			19/12/00
EVAM ERITA	SITY ISSUE DOCUMENTED THE	ZOON VIA CONDITION P.	EPERT WI	F3-2000-1183, NO	OTHER

EXAM SECURITY ISSUES EXIST.