

Chief: T MCKERNON

Facility/Task: WNP2 EX

Task Start Date: 10/23/00

ITEM DESCRIPTION	DUE DATE	INIT	DATE	
0 Exam/Inspection Schedule Agreement (C.1.a;C.2.a&b)	Apr 26, 2000	JLP	4/4/2000	
1 NRC Staff & Fac. Contact Assigned (C.1.c;C.2.e)	Apr 26, 2000	JLP	4/4/2000	
2 Facility contact briefed on security & other issues (C.2.c)	Apr 26, 2000	JLP	4/4/2000	
3 Corp. Notification Letter Sent (C.2.d) (Exams only)	Apr 26, 2000	JLP	4/6/00	
3a Inspection Announcement Letter Sent (PIR & LORT if req'd)	Sep 8, 2000	NA	—	
4 Task Expectations, Issues, & Standards Discussed w/ BC	Jul 25, 2000	JLP	7/25/00	
5# [Reference Material Due (C.1.d;C.3.c)]	Jun 25, 2000	JLP	8/29/00	
6# Integrated Exam Outlines Due (C.1.d&e;C.3.d)	Jun 25, 2000	JLP	6/27/00	**
7# Outlines reviewed by NRC & Feedback Sent (c.2.h;C.3.e)	Jul 9, 2000	JLP	7/9/00	
8# Preliminary Applications Due (C.1.j;C.2.g;ES202)	Sep 26, 2000	JLP	9/26/00	**
9# Draft Exams w/ Doc./Ref. Due (C.1.d/ef;C.3.d)	Aug 29, 2000	JLP	8/29/00	**
10# Peer Reviewer Initials As Reviewed All Parts*	Sep 3, 2000	M	9/11/00	REL
11# NRC Supervisor. Initials Approving for Fac. Rev. (C.2.h;C.3.f)*	Sep 3, 2000	JLP	9/20/00	JLP
12# Exams Reviewed w/ Fac. (C.1.h;C.2.f&h;C.3.g)	Sep 3, 2000	JLP	10/10/00	
13# Final Appl. Due & Assign. Sheet Prepared (C.1.j;C.2.h;ES202)	Oct 17, 2000	JLP	10/11/00	**
14# NRC Supervisor Approved Final Exams (C.2.i;C.3.h)*	Oct 16, 2000	JLP	10/18/00	JLP
15# Final Appl. Rec'd & Waivers Sent (C.2.g)	Oct 16, 2000	JLP	10/3/00	
16# Proctor Rules Reviewed w/ Fac. & Written Authorized (C.3.k)	Oct 16, 2000	JLP	10/11/00	
17 Exam/Insp Material to Team (C.3.i)	Oct 16, 2000	JLP	10/17/00	
18# Fac. graded exam & Comments Rec'd	Nov 4, 2000	JLP	11/2/00	
19# NRC Written Grading Completed	Nov 7, 2000	JLP	11/6/00	
20# Examiners Finished Grading Op. Tests	Nov 7, 2000	JLP	11/6/00	
21# NRC Ch. Ex. Review Completed	Nov 17, 2000	JLP	11/7/00	
22 NRC BC Review Completed*	Nov 18, 2000	JLP	11/9/00	
23# RPS/IP # Examinees Updated Before Report Issued	Nov 23, 2000	JLP	11/6/00	
24 License/Denials Signed & Report Issued	Nov 23, 2000	JLP	11/14/00	←
25 Package Closed Out	Dec 14, 2000	JLP	11/29/00	←
Final Inspection Report Issued, Exam Package to OLA, Facility. Contact Notified of Results				

# Not required for inspections, except as noted.

\* Note Supervisor/Peer initials required.

[] Required NRC-auth. exams only.

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

Last revised 4/4/00.

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

\*\* Per Telcon w/ R. Guthrie, WNP2

Facility: <u>WNP-2</u>		Date of Examination: <u>10/23/00</u>			
Item	Task Description	Initials			
		a	b*	c	
WRITTEN	1. a. Verify that the outline(s) fit(s) the appropriate model per ES-401.	AR	RSh	M	
	b. Assess whether the outline was systematically <sup>and randomly</sup> prepared and whether all knowledge and ability categories are appropriately sampled. <small>AIAW Section D.1 of ES-401</small>	AR	RSh	M	
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	AR	RSh	M	
	d. Assess whether the repetition from previous examination outlines is excessive.	AR	RSh	M	
SIM	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.	AR	RSh	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.	AR	RSh	M	
	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.	AR	RSh	M	
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.	AR	RSh	M	
	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.	AR	RSh	M	
	c. Verify that the required administrative topics are covered, with emphasis on performance-based activities.	AR	RSh	M	
	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.	AR	RSh	M	
GENERAL	4. a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam section.	AR	RSh	M	
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	AR	RSh	M	
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	AR	RSh	M	
	d. Check for duplication and overlap among exam sections.	AR	RSh	M	
	e. Check the entire exam for balance of coverage.	AR	RSh	M	
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	AR	RSh	M	
a. Author	<u>Jim Redwine</u>	Printed Name	<u>Jim Redwine</u>	Signature	Date
b. Facility Reviewer(*)	<u>Randy Guthrie</u>		<u>Randy Guthrie</u>		<u>10/21/00</u>
c. Chief Examiner	<u>RYAN LANTZ</u>		<u>Ryan Lantz</u>		<u>11/10/00</u>
d. NRC Supervisor	<u>J. Keller</u>		<u>J. Keller</u>		<u>11/10/00</u>

(\*) Not applicable for NRC-developed examinations.

Facility:		Date of Exam:		Exam Level: RO/SRO		
Item Description				Initial		
				a	b*	c*
1.	Questions and answers technically accurate and applicable to facility			AWR	REL	M
2.	a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available			AWR	REL	M
3.	RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401			AWR	REL	M
4.	No more than 25 questions are duplicated from [practice exams, quizzes, and] the last two NRC licensing exams; enter the actual number of duplicated questions at right	NRC*	Other**	AWR	REL	M
		3	10			
5.	[No (Less than 5 percent) question duplication from the license screening/audit exam (if independently written)]			AWR	REL	M
6.	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	AWR	REL	M
		13	22			
7.	Between 50 and 60 percent of the questions on the exam (including 10 new questions) are written at the comprehension/analysis level; enter the actual question distribution at right	Memory	C/A	AWR	REL	M
		32	103			
8.	References/handouts provided do not give away answers			AWR	REL	M
9.	Question distribution meets previously approved examination outline; deviations are justified			AWR	REL	M
10.	Question psychometric quality and format meet ES, Appendix B, guidelines			AWR	REL	M
11.	The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet			AWR	REL	M
		Printed Name / Signature		Date		
a. Author	JAMES M. REDWINE		<i>James M. Redwine</i>	8/28/00		
b. Facility Reviewer(*)	Randy E. Gault		<i>Randy E. Gault</i>	8/28/00		
c. NRC Chief Examiner(*)	RYAN LANTZ		<i>Ryan Lantz</i>	9/10/00		
d. NRC Regional Supervisor(*)	J. Pellet		<i>J. Pellet</i>	9/20/00		
<p>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, 4, 5, and 6. [] The items in brackets do not apply to NRC-prepared examinations.</p>						

Facility:	Date of Examination:	Operating Test Number:
<b>1. GENERAL CRITERIA</b>		Initials
		a      b      c
a.	The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	JMR REL M
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	JMR REL M
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).	JMR REL M
d.	Overlap with the written examination and between operating test categories is within acceptable limits.	JMR REL M
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	JMR REL M
<b>2. WALK-THROUGH (CATEGORY A &amp; B) CRITERIA</b>		-      -      -
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> <li>- initial conditions</li> <li>- initiating cues</li> <li>- references and tools, including associated procedures</li> <li>- validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee</li> <li>- specific performance criteria that include:                         <ul style="list-style-type: none"> <li>- detailed expected actions with exact criteria and nomenclature</li> <li>- system response and other examiner cues</li> <li>- statements describing important observations to be made by the applicant</li> <li>- criteria for successful completion of the task</li> <li>- identification of critical steps and their associated performance standards</li> <li>- restrictions on the sequence of steps, if applicable</li> </ul> </li> </ul>	JMR REL M
b.	The prescribed questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.	JMR REL M
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.	JMR REL M
d.	At least 20 percent of the JPMs on each test are new or significantly modified.	JMR REL M
<b>3. SIMULATOR (CATEGORY C) CRITERIA</b>		-      -      -
a.	The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.	JMR REL M
a. Author	Printed Name / Signature: <u>JAMES M. REDWINE / JMR</u>	Date: <u>8/29/00</u>
b. Facility Reviewer(*)	<u>Randy E. Guthrie / Randy Guthrie</u>	<u>8/28/00</u>
c. NRC Chief Examiner (*)	<u>RELANZ / Relanz</u>	<u>9/19/00</u>
d. NRC Supervisor (*)	<u>John A. DeWitt / John A. DeWitt</u>	<u>9/20</u>
(*) The facility signature is not applicable for NRC-developed tests; two independent NRC reviews are required.		

Facility: <u>WNP 2</u>		Date of Exam: <u>10/23/00</u>		Scenario Numbers: <u>1, 2</u>		Operating Test No.: <u>2</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.	<i>JMR</i>	<i>REL</i>	<i>M</i>			
2.	The scenarios consist mostly of related events.	<i>JMR</i>	<i>REL</i>	<i>M</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>JMR</i>	<i>REL</i>	<i>M</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>JMR</i>	<i>REL</i>	<i>M</i>			
5.	The events are valid with regard to physics and thermodynamics.	<i>JMR</i>	<i>REL</i>	<i>M</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>JMR</i>	<i>REL</i>	<i>M</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>JMR</i>	<i>REL</i>	<i>M</i>			
8.	The simulator modeling is not altered.	<i>JMR</i>	<i>REL</i>	<i>M</i>			
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.	<i>JMR</i>	<i>REL</i>	<i>M</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.4 of ES-301.	<i>JMR</i>	<i>REL</i>	<i>M</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>JMR</i>	<i>REL</i>	<i>M</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>JMR</i>	<i>REL</i>	<i>M</i>			
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	<i>JMR</i>	<i>REL</i>	<i>M</i>			
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		Actual Attributes		-	-	-	
1.	Total malfunctions (5-8)	9	9	<i>JMR</i>	<i>REL</i>	<i>M</i>	
2.	Malfunctions after EOP entry (1-2)	2	3	<i>JMR</i>	<i>REL</i>	<i>M</i>	
3.	Abnormal events (2-4)	4	4	<i>JMR</i>	<i>REL</i>	<i>M</i>	
4.	Major transients (1-2)	3	1	<i>JMR</i>	<i>REL</i>	<i>M</i>	
5.	EOPs entered/requiring substantive actions (1-2)	3	2	<i>JMR</i>	<i>REL</i>	<i>M</i>	
6.	EOP contingencies requiring substantive actions (0-2)	1	1	<i>JMR</i>	<i>REL</i>	<i>M</i>	
7.	Critical tasks (2-3)	5	5	<i>JMR</i>	<i>REL</i>	<i>M</i>	

Facility:	Date of Examination:	Operating Test Number:															
<b>1. GENERAL CRITERIA</b>		Initials															
		a    b    c															
a. The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	JMR	REL M															
b. There is no day-to-day repetition between this and other operating tests to be administered during this examination.	JMR	REL M															
c. The operating test shall not duplicate items from the applicants' audit test(s)(see Section D.1.a).	JMR	REL M															
d. Overlap with the written examination and between operating test categories is within acceptable limits.	JMR	REL M															
e. It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	JMR	REL M															
<b>2. WALK-THROUGH (CATEGORY A &amp; B) CRITERIA</b>		-    -    -															
a. Each JPM includes the following, as applicable: <ul style="list-style-type: none"> <li>· initial conditions</li> <li>· initiating cues</li> <li>· references and tools, including associated procedures</li> <li>· validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee</li> <li>· specific performance criteria that include: <ul style="list-style-type: none"> <li>- detailed expected actions with exact criteria and nomenclature</li> <li>- system response and other examiner cues</li> <li>- statements describing important observations to be made by the applicant</li> <li>- criteria for successful completion of the task</li> <li>- identification of critical steps and their associated performance standards</li> <li>- restrictions on the sequence of steps, if applicable</li> </ul> </li> </ul>	JMR	REL M															
b. The prescribed questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.	JMR	REL M															
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.	JMR	REL M															
d. At least 20 percent of the JPMs on each test are new or significantly modified.	JMR	REL M															
<b>3. SIMULATOR (CATEGORY C) CRITERIA</b>		-    -    -															
a. The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.	JMR	REL M															
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;"></td> <td style="width:70%; text-align:center;">Printed Name / Signature</td> <td style="width:20%; text-align:center;">Date</td> </tr> <tr> <td>a. Author</td> <td style="text-align:center;"><u>JAMES M. REDWINE</u> / <i>[Signature]</i></td> <td style="text-align:center;"><u>8/27/00</u></td> </tr> <tr> <td>b. Facility Reviewer(*)</td> <td style="text-align:center;"><u>ROBERT E. GUTHRIE</u> / <i>[Signature]</i></td> <td style="text-align:center;"><u>8/28/00</u></td> </tr> <tr> <td>c. NRC Chief Examiner (*)</td> <td style="text-align:center;"><u>RELATZ</u> / <i>[Signature]</i></td> <td style="text-align:center;"><u>9/19/00</u></td> </tr> <tr> <td>d. NRC Supervisor (*)</td> <td style="text-align:center;"><u>WELLET</u> / <i>[Signature]</i></td> <td style="text-align:center;"><u>9/20/00</u></td> </tr> </table>			Printed Name / Signature	Date	a. Author	<u>JAMES M. REDWINE</u> / <i>[Signature]</i>	<u>8/27/00</u>	b. Facility Reviewer(*)	<u>ROBERT E. GUTHRIE</u> / <i>[Signature]</i>	<u>8/28/00</u>	c. NRC Chief Examiner (*)	<u>RELATZ</u> / <i>[Signature]</i>	<u>9/19/00</u>	d. NRC Supervisor (*)	<u>WELLET</u> / <i>[Signature]</i>	<u>9/20/00</u>	
	Printed Name / Signature	Date															
a. Author	<u>JAMES M. REDWINE</u> / <i>[Signature]</i>	<u>8/27/00</u>															
b. Facility Reviewer(*)	<u>ROBERT E. GUTHRIE</u> / <i>[Signature]</i>	<u>8/28/00</u>															
c. NRC Chief Examiner (*)	<u>RELATZ</u> / <i>[Signature]</i>	<u>9/19/00</u>															
d. NRC Supervisor (*)	<u>WELLET</u> / <i>[Signature]</i>	<u>9/20/00</u>															
(*) The facility signature is not applicable for NRC-developed tests; two independent NRC reviews are required.																	

Facility: <u>WNP2</u>		Date of Exam: <u>10/23/00</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.	<u>JMR</u>	<u>REL</u>	<u>M</u>			
2.	The scenarios consist mostly of related events.	<u>JMR</u>	<u>REL</u>	<u>M</u>			
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)	<u>JMR</u>	<u>REL</u>	<u>M</u>			
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.	<u>JMR</u>	<u>REL</u>	<u>M</u>			
5.	The events are valid with regard to physics and thermodynamics.	<u>JMR</u>	<u>REL</u>	<u>M</u>			
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	<u>JMR</u>	<u>REL</u>	<u>M</u>			
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.	<u>JMR</u>	<u>REL</u>	<u>M</u>			
8.	The simulator modeling is not altered.	<u>JMR</u>	<u>REL</u>	<u>M</u>			
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.	<u>JMR</u>	<u>REL</u>	<u>M</u>			
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.	<u>JMR</u>	<u>REL</u>	<u>M</u>			
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	<u>JMR</u>	<u>REL</u>	<u>M</u>			
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).	<u>JMR</u>	<u>REL</u>	<u>M</u>			
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	<u>JMR</u>	<u>REL</u>	<u>M</u>			
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		Actual Attributes	-	-	-		
1.	Total malfunctions (5-8)	<u>6,8,8</u>	<u>JMR</u>	<u>REL</u>	<u>M</u>		
2.	Malfunctions after EOP entry (1-2)	<u>2,2,3</u>	<u>JMR</u>	<u>REL</u>	<u>M</u>		
3.	Abnormal events (2-4)	<u>3,4,4</u>	<u>JMR</u>	<u>REL</u>	<u>M</u>		
4.	Major transients (1-2)	<u>1,1,1</u>	<u>JMR</u>	<u>REL</u>	<u>M</u>		
5.	EOPs entered/requiring substantive actions (1-2)	<u>2,2,2</u>	<u>JMR</u>	<u>REL</u>	<u>M</u>		
6.	EOP contingencies requiring substantive actions (0-2)	<u>0,0,1</u>	<u>JMR</u>	<u>REL</u>	<u>M</u>		
7.	Critical tasks (2-3)	<u>3,3,3</u>	<u>JMR</u>	<u>REL</u>	<u>M</u>		

Attachment 10

TRANSIENT AND  
EVENT CHECKLIST

ES-301-5

OPERATING TEST NO.: 1

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	4
RO R. MEYERS J. CURRY	Reactivity	1	1			
	Normal	1		5	3	
	Instrument	2	2,4	6	5	
	Component	2		3,7	4,6	
	Major	1	5	8	7	
As RO M. FERRY E. FRANKE	Reactivity	1		1		
	Normal	0				
	Instrument	1		4		
	Component	1		2		
	Major	1		8		
SRO-I  As SRO	Reactivity	0	1		1	
	Normal	1			3	
	Instrument	1	2,4		2,5	
	Component	1	3		4,6	
	Major	1	5		7	
SRO-U	Reactivity	0				
	Normal	1				
	Instrument	1				
	Component	1				
	Major	1				

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

Author:

*JAMES M. REDWINE*

Chief Examiner:

*John*

OPERATING TEST NO.: 1

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	4
RO	Reactivity	1				
	Normal	1				
	Instrument	2				
	Component	2				
	Major	1				
As RO <i>M. HUNTSMAN</i> <i>PJ. BASAPRE</i>	Reactivity	1				
	Normal	0				
	Instrument	1	4		2	
	Component	1	3		6	
	Major	1	1,5		7	
SRO-I  As SRO	Reactivity	0		1		
	Normal	1		5		
	Instrument	1		4,6		
	Component	1		3,7		
	Major	1		8		
SRO-U	Reactivity	0				
	Normal	1				
	Instrument	1				
	Component	1				
	Major	1				

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

Author:

*JAMES M. REDWINE / Jim M. Redwine*

Chief Examiner:

*[Signature]*

OPERATING TEST NO.: 2

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	4
C. FRYBERGER RO	Reactivity	1		4		
	Normal	1	1			
	Instrument	2	5	5		
	Component	2	2	7		
	Major	1	7	8		
A. MOORE SRO-I	Reactivity	1		4		
	Normal	0				
	Instrument	1		5		
	Component	1		7		
	Major	1		8		
As SRO	Reactivity	0	3			
	Normal	1	1			
	Instrument	1	4,5			
	Component	1	2,6			
	Major	1	7			
B. BAKER SRO-U	Reactivity	0	3			
	Normal	1	1			
	Instrument	1	5			
	Component	1	2			
	Major	1	7			

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

Author:

JAMES M. REDWINE *James M. Redwine*

Chief Examiner:

[Signature]

OPERATING TEST NO.: 2

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	4
RO J. PEDRO B. HART	Reactivity	1	3			
	Normal	1		1		
	Instrument	2	4	6		
	Component	2	6	2,3		
	Major	1	7	8		
As RO	Reactivity	1				
	Normal	0				
	Instrument	1				
	Component	1				
	Major	1				
SRO-I  As SRO	Reactivity	0				
	Normal	1				
	Instrument	1				
	Component	1				
	Major	1				
SRO-U	Reactivity	0				
	Normal	1				
	Instrument	1				
	Component	1				
	Major	1				

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

Author:

*JAMES M. REDWINE*

Chief Examiner:

*Tom*

Attachment 11

**COMPETENCIES  
CHECKLIST**

ES-301-6

OP TEST #1  
 AM M. FERREY M. NUNTSMAN R. MEYERS  
 PM E. FRANKE J. BASHORE J. CURRY

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

Author:

Chief Examiner:

*James M. Redwine*  
*James M. Redwine*

OPTEST #2 AM

B. BAKER

C. FRYBERGER

J. PEDRO

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

Notes:

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

Instructions:

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

Author:

Chief Examiner:

*JAMES M. REDWINE*  
*[Signature]*

OPTTEST #2 PM

A. MOORE

B. HART

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

Notes:

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

Instructions:

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

Author:

Chief Examiner:

*JAMES M. REDLINE*  
*[Signature]*

Facility:	Date of Exam:	Exam Level: RO/SRO		
Item Description	Initials			
	a	b	c	
1. Clean answer sheets copied before grading	SA	AR	JM	
2. Answer key changes and question deletions justified and documented	SA	AR	JM	
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	SA	AR	JM	
4. Grading for all borderline cases (80% +/- 2%) reviewed in detail	SA	AR	JM	
5. All other failing examinations checked to ensure that grades are justified	SA	AR	JM	
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	SA	AR	JM	
Printed Name / Signature		Date		
a. Grader	<i>Sten Hultis</i>	10/3/00		
b. Facility Reviewer(*)	<i>James M. Pedarini</i>	11/1/00		
c. NRC Chief Examiner (*)	<i>Tom Kernon</i>	11/6/00		
d. NRC Supervisor (*)	<i>W. L. Helt</i>	11/9/00		
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.				

## Operator Licensing Exam Schedule

From 10/01/2000 To 09/30/2001

Region: 4

Phase Code: 5 Operational

Exam Week	Site/Docket No./Insp Rpt #	# Candidates		Type	Exam Author	Chief Examiner	Examiners Assigned
10/10/2000	WNP2 / 05000397 / 2000301			Prep		MCKERNON, THOMAS O.	BUNDY, HOWARD F. LANTZ, RYAN E. MCKERNON, THOMAS O.
10/23/2000	WNP2 / 05000397 / 2000301	RO - 5 SROU - 1	SROI - 5	Admin	FFF	MCKERNON, THOMAS O.	BUNDY, HOWARD F. LANTZ, RYAN E. MCKERNON, THOMAS O. STETKA, THOMAS F.
12/04/2000	WNP2 / 05000397 / Procedure #: 7111111B					STETKA, THOMAS F.	JOHNSTON, GARY W. STETKA, THOMAS F.

# Operator Licensing Exam Schedule

From 10/01/2000 To 09/30/2001

Region: 4

Phase Code: 5 Operational

## Summary By Date

10/2000 WNP - WNP2

RO - 5

SROI - 5

SROU - 1

LSRO - 0

Total for WNP2: 11

10/2000

RO - 5

SROI - 5

SROU - 1

LSRO - 0

Total for 10/2000: 11

12/2000 WNP - WNP2

# Operator Licensing Exam Schedule

From 10/01/2000 To 09/30/2001

Region: 4

Phase Code: 5 Operational

**Summary By Site**

---

WNP - WNP2

RO - 5

SROI - 5

SROU - 1

LSRO - 0

Total for WNP2: 11

# Operator Licensing Exam Schedule

From 10/01/2000 To 09/30/2001

Region: 4

Phase Code: 5 Operational

## Summary By Region

Region 4

RO - 5

SROI - 5

SROU - 1

LSRO - 0

Total for Region 4: 11

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 10/23/00 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 10/23/00. 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. James Prescott	Control Room Supervisor	<i>[Signature]</i>	8-11-00	<i>[Signature]</i>	10-24-00
2. U. SCOTT CREWARD	OPERATIONS MANAGER	<i>[Signature]</i>	10/23/00	<i>[Signature]</i>	11/30/00
3. Donald T. Hughes Jr.	Training Specialist Y	<i>[Signature]</i>	10-24-00	<i>[Signature]</i>	11-13-00
4. Richard Weaver	Contractor	<i>[Signature]</i>			
5.					
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12.					
13.					
14.					
15.					

NOTES:

12-19-2000 9:52AM FROM OPS TRAINING 509 377 8662

1. Pre-Examination

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2. Post-Examination

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1. Sean Pulanay	RO	<i>[Signature]</i>	7/10/00	<i>[Signature]</i>	11/13/00
2. Stu Bruce	SM	<i>[Signature]</i>	7/10/00	<i>[Signature]</i>	11/13/00
3. PE Weaver	RO	<i>[Signature]</i>	7/11/00	<i>[Signature]</i>	12-19-00
4. JB McBride	STA	<i>[Signature]</i>	7/10/00	<i>[Signature]</i>	12/14/00
5. James	CRS	<i>[Signature]</i>	7/10/00	<i>[Signature]</i>	11/17/00
6. M. Fese	RO	<i>[Signature]</i>	7/10/00	<i>[Signature]</i>	11/13/00
7. JCAKSON	RO	<i>[Signature]</i>	7/17/00	<i>[Signature]</i>	11/14/00
8. D. BROWN	CRS	<i>[Signature]</i>	7/17/00	<i>[Signature]</i>	11/14/00
9. SJ REINHART	STA	<i>[Signature]</i>	7/17/00	<i>[Signature]</i>	11/14/00
10. R. Olson	RO	<i>[Signature]</i>	7/17/00	<i>[Signature]</i>	11/19/00
11. Phil May	RO	<i>[Signature]</i>	7/17/00	<i>[Signature]</i>	11/14/00
12. Greg Zlatnik	RO	<i>[Signature]</i>	7/17/00	<i>[Signature]</i>	11/14/00
13. Brian Adams	STA	<i>[Signature]</i>	7/24/00	<i>[Signature]</i>	11/23/00
14. Kevin Huber	RO	<i>[Signature]</i>	7/24/00	<i>[Signature]</i>	11/23/00
15. MR JOHNSON	SLO	<i>[Signature]</i>	7/24/00	N/A	11-23-00

NOTES: *MR JOHNSON NO LONGER WORKS FOR ENERGY NORTHWEST*

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 10/23/00 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 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

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1. <u>Tommy B. Loh</u>	<u>CRS/SSS</u>	<u>[Signature]</u>	<u>7/26/00</u>	<u>[Signature]</u>	<u>19 Nov 00</u>
2. <u>T.K. RAJINARAJAN</u>	<u>SIM. ENGR</u>	<u>[Signature]</u>	<u>7/26/00</u>	<u>[Signature]</u>	<u>11/20/00</u>
3. <u>CONSOLACION Y. ORTIZ</u>	<u>ADMIN. ASST.</u>	<u>[Signature]</u>	<u>7/27/00</u>	<u>[Signature]</u>	<u>10/31/00</u>
4. <u>Mark Painter</u>	<u>PDES Sys. Systems Analyst</u>	<u>[Signature]</u>	<u>8/2/00</u>	<u>[Signature]</u>	<u>10/31/00</u>
5. <u>M.A. Lambert</u>	<u>RO</u>	<u>[Signature]</u>	<u>8/2/00</u>	<u>[Signature]</u>	<u>10-31-00</u>
6. <u>DIBERBLUND</u>	<u>SRO</u>	<u>[Signature]</u>	<u>8/2/00</u>	<u>[Signature]</u>	<u>11/14/00</u>
7. <u>Rene Sumner</u>	<u>RO</u>	<u>[Signature]</u>	<u>8/2/00</u>	<u>[Signature]</u>	<u>10/31/00</u>
8. <u>Marian K Hayden</u>	<u>Training Spec.</u>	<u>[Signature]</u>	<u>9/23/00</u>	<u>[Signature]</u>	<u>12/11/00</u>
9. <u>DAVE MUELLER</u>	<u>TRAINING SPEC.</u>	<u>[Signature]</u>	<u>10/23/00</u>	<u>[Signature]</u>	<u>10/31/00</u>
10.					
11.					
12.					
13.					
14.					
15.					

NOTES:



1. Pre-Examination

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2. Post-Examination

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1. JAMES M. REDWINE	TRAINING SPECIALIST	<i>[Signature]</i>	3/26/00	<i>[Signature]</i>	10/23/00
2. Steven L. Hutchinson	" "	<i>[Signature]</i>	3/20/00	<i>[Signature]</i>	10/23/00
3. Ron Hayden	" "	<i>[Signature]</i>	3/23/00	<i>[Signature]</i>	10/23/00
4. Randy Guthrie	OPS TRNG MGR	<i>[Signature]</i>	3/23/00	<i>[Signature]</i>	10/23/00
5. Mark Westergren	TRNG. SPECIALIST	<i>[Signature]</i>	3/23/00	<i>[Signature]</i>	10/23/00
6. Carl E. Galighly	Supv. Simulator Engineer	<i>[Signature]</i>	3-29-00	<i>[Signature]</i>	11-9-00
7. M.C. Peterson	SECURITY	<i>[Signature]</i>	4-13-00	<i>[Signature]</i>	11/20/00
8. John S. Sims	Ops Training	<i>[Signature]</i>	4/27/00	<i>[Signature]</i>	11/21/00
9. Jeanne Kittle	Shift Manager	<i>[Signature]</i>	5-1-00	<i>[Signature]</i>	10/31/00
10. RICHARD L. LORENZEN	Simulation Engineer	<i>[Signature]</i>	6-22-00	<i>[Signature]</i>	12-5-00
11. John Slack	CRS	<i>[Signature]</i>	6/27/00	<i>[Signature]</i>	12/21/00
12. Ben Elliott	CRS	<i>[Signature]</i>	6/27/00	<i>[Signature]</i>	11/17/00
13. Richard U. Weaver	Simulator Eng.	<i>[Signature]</i>	6/27/00	<i>[Signature]</i>	10-31-00
14. JAMES F. VALDEZ	I & C TECH	<i>[Signature]</i>	6-28-00	<i>[Signature]</i>	10-31-00
15. M. Keller	SSS	<i>[Signature]</i>	7-10-00	<i>[Signature]</i>	12 NOV 00
NOTE: R.E. Weaver	P.O.	<i>[Signature]</i>	7-10-00	<i>[Signature]</i>	7-10-00
J.B. McBride	STA	<i>[Signature]</i>	7-10-00	<i>[Signature]</i>	7-10-00
Power	CRS	<i>[Signature]</i>	7/10/00	<i>[Signature]</i>	7/10/00

NUREG-1021, Revision 8

24 of 24

12-19-2000 9:55AM FROM OPS TRAINING 509 377 8662

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