

Palo Verde July 2001
 Reviewer: Ryan Lantz
 Chief Examiner: Tom Stetka
 Author: Facility

ORIGINAL NRC COMMENTS

APPENDIX E - REGION IV OPERATING TEST JOB PERFORMANCE MEASURE QUALITY REVIEW MATRIX											
JPM#	1. Dyn (D/S)	2. LOD (1-5)	3. Attributes					4. Job Content Errors		5. U/E/S	6. Explanation (See below for instructions)
			IC Focus	Cues	Critical Steps	Scope (N/B)	Over-lap	Job-Link	Minutia		
A1	S	2			3					S	
A2	S	2			4/5					S	
RO A3	S	2			3					S	
SRO A3	S	2			3					S	
RO A4	S	2			5					S	
SRO A4	S	2			6					S	
A5	S	2			4					E	Missing steps RE: determination of EP classification, locations of emergency on emergency page system, and determinations of non-EP plan notifications (from Event Report Manual).
SRO A5-a	S	3			6					E	Missing steps and or guidance for examiner to follow progress (e.g., Section 5 of EPIP-01).
SRO A5-b	S	3			6					E	Same comments as those for SRO A5-a.
B.1.a JS1	D	3			8					E	Step 9 does not appear critical, and has incorrect cue on Step 9. Confusing in that SDC pump and LPSI pump are one and the same pump. Step 22 valves (SIA-UV-635/645) are not in the procedure.
B.1.b JS2	S	3			4					S	Make Step 3 critical.
B.1.c JS3	S	3			6					S	
B.1.d JS4	D	4			2					S	
B.1.e JS5	D	3			5					E	Step 4 not critical; step 6 appears to be critical. Consider performing step 10 for loading at least one component to demonstrate this ability.
B.1.f JS6	D	2			3					S	
B.1.gJS7	S	3			15					S	
B.2.a JP1	S	2			5					S	
B.2.bJP2	D	2			5					S	

APPENDIX E - REGION IV OPERATING TEST JOB PERFORMANCE MEASURE QUALITY REVIEW MATRIX											
JPM#	1. Dyn (D/S)	2. LOD (1-5)	3. Attributes					4. Job Content Errors		5. U/E/S	6. Explanation (See below for instructions)
			IC Focus	Cues	Critical Steps	Scope (N/B)	Over-lap	Job-Link	Minutia		
B.2.c JP3	D	3			8					S	Steps 7 and 8 appear critical. JPM Step 6 does not agree with Step 6 of the procedure in that BKR's PBB-504N, J, H are not specified as open in the procedure.

Operating Test Review Comments

Dynamic Scenarios

Add extra spaces (rows) to allow comment documentation.

Instructions for Completing Matrix (Complete for either all items or all items requiring comment):

1. Determine whether the task is dynamic (D) or static (S). A dynamic task is one that involves continuous monitoring and response to varying parameters. A static task is basically an system reconfiguration or realignment.
2. Determine level of difficulty (LOD) using established 1-5 rating scale. Levels 1 and 5 represent inappropriate (low or high) discriminatory level for the license being tested.
3. Check the appropriate box when an attribute weakness is identified:
 - \$ The initiating cue is not sufficiently clear to ensure the operator understands the task and how to begin.
 - \$ The JPM does not contain sufficient cues that are objective (not leading).
 - \$ All critical steps (elements) have not been properly identified.
 - \$ Scope of the task is either too narrow (N) or too broad (B).
 - \$ Excessive overlap with other part of operating test or written examination.
4. Check the appropriate box when a job content error is identified:
 - \$ Topics not linked to job content (e.g., disguised task, not required in real job).
 - \$ Task is trivial and without safety significance.
5. Based on the reviewers judgment, is the JPM as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
6. Provide a brief description of problem in the explanation column.

Palo Verde July 2001
 Reviewer: Ryan Lantz
 Chief Examiner: Tom Stetka
 Author: Facility

NRC COMMENT RESOLUTIONS

APPENDIX E - REGION IV OPERATING TEST JOB PERFORMANCE MEASURE QUALITY REVIEW MATRIX											
JPM#	1. Dyn (D/S)	2. LOD (1-5)	3. Attributes					4. Job Content Errors		5. U/E/S	6. Explanation (See below for instructions)
			IC Focus	Cues	Critical Steps	Scope (N/B)	Over-lap	Job-Link	Minutia		
A1	S	2			3					S	
A2	S	2			4/5					S	
RO A3	S	2			3					S	
SRO A3	S	2			3					S	
RO A4	S	2			5					S	
SRO A4	S	2			6					S	
A5	S	2			4					E>S	Missing steps RE: determination of EP classification, locations of emergency on emergency page system, and determinations of non-EP plan notifications (from Event Report Manual). JPM revised to incorporate comment.
SRO A5-a	S	3			6					E>S	Missing steps and or guidance for examiner to follow progress (e.g., Section 5 of EPIP-01). JPM revised to incorporate comment.
SRO A5-b	S	3			6					E>S	Same comments as those for SRO A5-a. JPM revised to incorporate comment.
B.1.a JS1	D	3			8					E>S	Step 9 does not appear critical, and has incorrect cue on Step 9. Confusing in that SDC pump and LPSI pump are one and the same pump. Step 22 valves (SIA-UV-635/645) are not in the procedure. JPM revised to incorporate comment.
B.1.b JS2	S	3			4					S	Make Step 3 critical. JPM revised to incorporate comment.
B.1.c JS3	S	3			6					S	
B.1.d JS4	D	4			2					S	
B.1.e JS5	D	3			5					E>S	Step 4 not critical; step 6 appears to be critical. Consider performing step 10 for loading at least one component to demonstrate this ability. JPM revised to incorporate comment.
B.1.f JS6	D	2			3					S	
B.1.g JS7	S	3			15					S	
B.2.a JP1	S	2			5					S	

APPENDIX E - REGION IV OPERATING TEST JOB PERFORMANCE MEASURE QUALITY REVIEW MATRIX											
JPM#	1. Dyn (D/S)	2. LOD (1-5)	3. Attributes					4. Job Content Errors		5. U/E/S	6. Explanation (See below for instructions)
			IC Focus	Cues	Critical Steps	Scope (N/B)	Over-lap	Job-Link	Minutia		
B.2.bJP2	D	2			5					S	
B.2.c JP3	D	3			8					S	Steps 7 and 8 appear critical. JPM Step 6 does not agree with Step 6 of the procedure in that BKR's PBB-504N, J, H are not specified as open in the procedure. JPM revised to incorporate comment.

Operating Test Review Comments

Dynamic Scenarios

Add extra spaces (rows) to allow comment documentation.

<p>Instructions for Completing Matrix (Complete for either all items or all items requiring comment):</p>	
<ol style="list-style-type: none"> 1. 2. 3. 4. 5. 6. 	<p>Determine whether the task is dynamic (D) or static (S). A dynamic task is one that involves continuous monitoring and response to varying parameters. A static task is basically an system reconfiguration or realignment.</p> <p>Determine level of difficulty (LOD) using established 1-5 rating scale. Levels 1 and 5 represent inappropriate (low or high) discriminatory level for the license being tested.</p> <p>Check the appropriate box when an attribute weakness is identified:</p> <ul style="list-style-type: none"> \$ The initiating cue is not sufficiently clear to ensure the operator understands the task and how to begin. \$ The JPM does not contain sufficient cues that are objective (not leading). \$ All critical steps (elements) have not been properly identified. \$ Scope of the task is either too narrow (N) or too broad (B). \$ Excessive overlap with other part of operating test or written examination. <p>Check the appropriate box when a job content error is identified:</p> <ul style="list-style-type: none"> \$ Topics not linked to job content (e.g., disguised task, not required in real job). \$ Task is trivial and without safety significance. <p>Based on the reviewer's judgment, is the JPM as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?</p> <p>Provide a brief description of problem in the explanation column.</p>

ES-401

Form ES-401-9

FACILITY: Palo Verde
 EXAM DATE: July 2001
 CHIEF EXAMINER: T. Stetka
 Peer REVIEWER: R Lantz

ORIGINAL NRC COMMENTS

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
1	H	3											Y		S	
2	F	1						X					Y		U	GFES as asked, rewrite Q to not give power increase, but ask what is expected.
3	H	3													S	
4	H	2											Y		S	
5	F	2											Y		S	
6	H	3													S	
7	H	3													S	
8	H	2													S	
9	H	3											Y		S	
10	H	1						X					Y		U	GFES as asked
11	F	1		X									Y		U	Non-descrim as asked, answer cued in stem
12	H	2													S	
13	H	3													S	
14	H	3											Y		S	
15	H	3													S	
16	H	4													S	
17	H	2											Y		S	
18	F	3					X								E	All seem correct, reword Q to state which is req-d by T/S (TRM)
19	H	4		X											E	Answer cued in stem.
20	H	3				X									E	Distractor d not credible

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
44	H	3											Y		S	
45	H	1				X									U	B and C are implausible, add curves and competing reactivity affects
46	F	2				X									E	Change C to Ahighest reading@vice Amost reliable@
47	F	2									X				E	Better to give the indication, and ask what it means or action required
48	F	2													E	Reference does not support answer.
49	H	2		X											E	Answer cued by question.
50	H	4											Y		S	
51	H	3													S	
52	F	3													S	
53	H	3													S	
54	H	3											Y		S	
55	F	3		X									Y		E	AExact@ is a cue, use Ainstantaneous@ and Aaveraged@ vice exact and approximate
56	F	3											Y		S	
57	H	3													S	
58	H	3											Y		S	
59	H	3											Y		S	
60	H	2											Y		S	
61	H	2											Y		S	
62	H	3											Y		S	
63	F	2											Y		S	
64	F	3											Y		S	
65	F	2											Y		S	

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only		
66	F	2												S	
67	F	2										Y		S	
68	H	2										Y		S	
69	F	3										Y		S	
70	H	2						X	X					E	Don't ask efficiency since it is not an operator's concern. Ask affect on power and Tc
71	H	2									X	Y		E	Consider this to be a reverse Q, ask what the indications mean.
72	H	2		X										E	Excessive amount of water is a cue, reword to give the indications only
73	H	3										Y		S	
74	H	3										Y		S	
75	F	2												S	
76	F	2												S	Place distractors in logical sequence.
77	F	2												S	
78	H	2										Y		S	
79	H	3												S	
80	F	3										Y		S	
81	F	3				X								E	Distractor "B" not credible (20# IN, 60# out?).
82	F	2										Y		S	
83	H	3												S	
84	H	2	X				X					Y		E	Need to specify stem.. At steady state, what is the result?
85	F	2												S	
86	H	3												S	
87	F	3				X								E	A and B are not credible due to common/frequent task... add two more refuel or S/D activities

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
88	F	3											Y		S	
89	F	2				X	X								E	D is obvious answer, has the most detail, C is close to an adequate answer.. Ask what meets the minimum requirements, not what meets or exceeds.
90	H	3													S	
91	H	3													S	
92	F	1				X		X					N		U	Best used in Section A of the exam, not desirminatory as a multi-choice Q. KA does not match.
93	H	3													S	
94	H	3											Y		S	
95	H	2													S	
96	F	2											Y		S	
97	H	2													S	
98	F	2											Y		S	
99	F	2													S	
100	F	2											Y		S	
S1	F	2											Y	Y	S	
S2	H	2											Y	Y	S	
S3	H	2											Y	Y	S	Put power level in stem.
S4	F	2						X						N	U	Not responsive to K/A.. Q asks only what indications are available at the RSP... not SRO only
S5	H	3											Y	Y	S	
S6	H	2											Y	Y	S	
S7	H	2											Y	Y	S	
S8	F	2													S	Appears to be a 55.43 (2).
S9	H	4						X					Y	N	U	System Q, not SRO only

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only		
S10	H	2						X					N	U	To generic for SRO only
S11	H	2						X					N	U	System Q, not SRO only.
S12	H	3						X				N	N	U	For K/A,. Does this Q address excess letdown? Not SRO only
S13	H	2		X				X				Y	N	U	Not SRO only. Change B to U3 requires more than U2 to eliminate cueing, if this is still incorrect.
S14	H	3											Y	S	
S15	H	3										Y	Y	S	
S16	H	2				X	X					Y	Y	U	A, B not credible (not in LCO as potential answers) C could be argued as correct
S17	H	3										N	Y	E	KA not matched.
S18	H	2						X					N	U	System Q, not SRO only
S19	H	3						X					N	U	System response, not SRO only
S20	H	2		X								Y	Y	E	Put distractors in logical sequence
S21	F	3											Y	S	
S22	H	4											Y	S	
S23	F	2										Y	Y	S	
S24	F	4										Y	Y	S	
S25	F	2										Y	Y	S	
S26	H	2										Y	Y	S	
S27	F	2										Y	Y	S	
S28	F	2											Y	S	
S29	F	2										Y	Y	S	
S30	H	3										Y	Y	S	
S31	F	2										Y	Y	S	
S32	H	2											Y	S	

ES-401

Form ES-401-9

FACILITY: Palo Verde
 EXAM DATE: July 2001
 CHIEF EXAMINER: T. Stetka
 Peer REVIEWER: R Lantz

NRC COMMENT RESOLUTIONS

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
1	H	3											Y		S	
2	F	3											Y		U>S	GFES as asked, rewrite Q to not give power increase and ask what is expected. Q re-written as suggested.
3	H	3													S	
4	H	2											Y		S	
5	F	2											Y		S	
6	H	3													S	
7	H	3													S	
8	H	2													S	
9	H	3											Y		S	
10	H	2											Y		U>S	GFES as asked. Revised to make less generic.
11	F	1											Y		U>S	Non-descrim as asked, answer cued in stem. Q re-written to eliminate cue.
12	H	2													S	
13	H	3													S	
14	H	3											Y		S	
15	H	3													S	
16	H	4													S	
17	H	2											Y		S	
18	F	3													E>S	All seem correct, reword Q to state which is req'd by T/S (TRM). Q re-written as suggested.
19	H	3													E>S	Answer cued in stem. Q re-written.

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only		
42	F	2												S	
43	F	2												S	
44	H	3										Y		S	
45	H	4												U>S	B and C are implausible, add curves and competing reactivity affects. Q re-written to add curves and reactivity affects.
46	F	2												E>S	Change C to Ahighest reading@vice Amost reliable@. Revised.
47	F	3												E>S	Better to give the indication, and ask what it means or action required. Q re-written.
48	F	2												E>S	Reference does not support answer. No reference available, deleted reference.
49	H	2												E>S	Answer cued by question. Stem re-written.
50	H	4										Y		S	
51	H	3												S	
52	F	3												S	
53	H	3												S	
54	H	3										Y		S	
55	F	3										Y		E>S	AExact@ is a cue, use Ainstantaneous@ and Aaveraged@ vice exact and approximate. Revised as suggested.
56	F	3										Y		S	
57	H	3												S	
58	H	3										Y		S	
59	H	3										Y		S	
60	H	2										Y		S	
61	H	2										Y		S	
62	H	3										Y		S	

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only		
63	F	2										Y		S	
64	F	3										Y		S	
65	F	2										Y		S	
66	F	2												S	
67	F	2										Y		S	
68	H	2										Y		S	
69	F	3										Y		S	
70	H	2												E>S	Don't ask efficiency since it is not an operator's concern. Ask affect on power and Tc. Q stem re-written.
71	H	3										Y		E>S	Consider this to be a reverse Q, ask what the indications mean. Q re-written.
72	H	2												E>S	Excessive amount of water is a cue, reword to give the indications only. Q stem re-written.
73	H	3										Y		S	
74	H	3										Y		S	
75	F	2												S	
76	F	2												S	Place distractors in logical sequence. Distractors re-arranged.
77	F	2												S	
78	H	2										Y		S	
79	H	3												S	
80	F	3										Y		S	
81	F	3												E>S	Distractor "B" not credible (20# IN, 60# out?). Distractor re-written.
82	F	2										Y		S	
83	H	3												S	
84	H	2										Y		E>S	Need to specify stem.. At steady state, what is the result? Revised as suggested.

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only		
85	F	2												S	
86	H	3												S	
87	F	3												E>S	A and B are not credible due to common/frequent task... add two more refuel or S/D activities. Revised as suggested.
88	F	3										Y		S	
89	F	2												E>S	D is obvious answer, has the most detail, C is close to an adequate answer.. Ask what meets the minimum requirements, not what meets or exceeds. Q re-written.
90	H	3												S	
91	H	3												S	
92	F	3										N>Y		U>S	Best used in Section A of the exam, not desriminatory as a mult-choice Q. KA does not match. Q re-written.
93	H	3												S	
94	H	3										Y		S	
95	H	2												S	
96	F	2										Y		S	
97	H	2												S	
98	F	2										Y		S	
99	F	2												S	
100	F	2										Y		S	
S1	F	2										Y	Y	S	(Q11)
S2	H	2										Y	Y	S	(Q17)
S3	H	2										Y	Y	S	(Q18) Put power level in stem. Power level added.
S4	F	2											Y	U>S	(Q23) Not responsive to K/A.. Q asks only what indications are available at the RSP... not SRO only. Q re-written.
S5	H	3										Y	Y	S	(Q24)

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation	
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only			
S6	H	2											Y	Y	S	(Q27)
S7	H	2											Y	Y	S	(Q28)
S8	H	4												Y	S	(Q33) Appears to be a 55.43 (2). Agree, changed to (2).
S9	H	4											Y	N>Y	U>S	(Q34) System Q, not SRO only. Q re-written.
S10	H	2												N>Y	U>S	(Q36) Too generic for SRO only. Q re-written.
S11	H	2												N>Y	U>S	(Q38) System Q, not SRO only. Q re-written.
S12	H	3											N>Y	N>Y	U>S	(Q43) For K/A., Does this Q address excess letdown? Not SRO only. Q re-written.
S13	H	2											Y	N	U>S	(Q48) Not SRO only. Change B to U3 requires more than U2 to eliminate cueing, if this is still incorrect. Q re-written. Still not SRO only but acceptable since # of SRO only Qs >25.
S14	H	3												Y	S	(Q59)
S15	H	3											Y	Y	S	(Q60)
S16	H	2											Y	Y	U>S	(Q61) Distractors A, B not credible (not in LCO as potential answers) C could be argued as correct. Distractors re-written.
S17	H	3											N>Y	Y	E>S	(Q62) KA not matched. Q re-written.
S18	H	4												N>Y	U>S	(Q66) System Q, not SRO only. Q re-written.
S19	H	4												N>Y	U>S	(Q68) System response, not SRO only. Q re-written.
S20	H	2											Y	Y	E>S	(Q78) Put distractors in logical sequence. Distractors rearranged.
S21	F	3												Y	S	(Q79)
S22	H	4												Y	S	(Q83)
S23	F	2											Y	Y	S	(Q84)
S24	F	4											Y	Y	S	(Q85)
S25	F	2											Y	Y	S	(Q87)
S26	H	2											Y	Y	S	(Q88)
S27	F	2											Y	Y	S	(Q91)

Q#	1. LOK (F/H)	2. LOD (1-5)	3. Psychometric Flaws					4. Job Content Flaws				5. Other		6. U/E/S	7. Explanation
			Stem Focus	Cues	T/F	Cred. Dist.	Partial	Job-Link	Minutia	#/units	Backward	Q=K/A	SRO Only		
S28	F	2											Y	S	(Q92)
S29	F	2										Y	Y	S	(Q93)
S30	H	3										Y	Y	S	(Q96)
S31	F	2										Y	Y	S	(Q99)
S32	H	2											Y	S	(Q100)

PV EXAM OUTLINE COMMENTS

Written Exam Outline

- 1) On the Altems Related to PRA at Palo Verde Pertaining to the July 2001 Examinations, @ the ALoss of Feedwater@ issue is listed as being in Scenario 1, however, it appears to be in Scenario 2. Resolution: Table Changed.
- 2) The Tier 2, Group 1 of ES-401-3 (SRO) for system 059 (MFW) has K/A Topic 2.2.3 relating to the knowledge of procedural/operational differences. It is not clear what the differences between the units are and this topic is not consistent with the topics documented in 10CFR55.43. Resolution: New K/A selected.
- 3) The Tier 2, Group 2 of ES-401-3 (SRO) for System 012 (RPS) has K/A Topic 2.4.39 relating to the RO=s responsibility fort emergency plan implementation. This is an incorrect topic for the SRO outline and not consistent with the topics documented in 10CFR55.43. Resolution: New K/A selected.
- 4) On Form ES-401-4 (RO), the K/A category point summary sheets for Tier 1 and 2 are incorrect and do not match the group tier sheets. Resolution: Summary sheets corrected.

JPM Outlines

- 1) The description for JPM A2 on Form ES-301-1 (both for the SRO and RO) indicates that it is both a new question and a modified question. Resolution: Description changed to existing bank question.
- 2) The description for JPM A4 on Form ES-301-1 (both for the SRO and RO) is inconsistent with the description for the listed K/A 2.3.10 (JPM A4 refers to knowledge whereas K/A 2.3.10 refers to ability). Resolution: Description changed to correct "ability" statement.
- 3) The RO JPM A5 on Form ES-301-1 refers to emergency operation procedures. This is inconsistent with ES-301, B.1 and D.2.a which states that this JPM should cover the emergency plan and not the emergency operation procedures. Resolution: JPM was replaced with an emergency plan procedure.

Scenario Outlines

- 1) Modify Forms ES-301-5 for the five ROs and the one SROI to designate the positions these applicants will stand during each scenario. Resolution: Forms modified to show designated positions.
- 2) On Form ES-401-4, the category points for Tiers 1 and, while they meet the point total numbers, appear to be incorrect. Resolution: Form ES-401-4 revised to correct category points.
- 3) Modify Form ES-D-1 for each scenario such that the crew position that will be credited for the event type is indicated. Resolution: Forms modified for each scenario to show crew position.

NOTE: The following tables provide additional details regarding the licensee's response to the NRC comments.

PVNGS 2001 NRC License Examination
 Operating Examination
 Description of Modifications

General			
Item	Modification	Source	Date
1	Loss of Feed was listed as a PRA related item on Scenario #1. PRA relationship sheet updated to properly show this in Scenario #2.	OR	4/4/01
2	SRO Tier 2 Group 1 System 059 Main Feedwater showed a SRO KA 2.2.3 AKnowledge of Procedural/Operational Unit Differences@. There will be no Unit Differences following the completion of the U1 outage, therefore this System was randomly resampled to obtain a new KA. The new SRO KA is: 2.2.22 AKnowledge of LCOs and Safety Limits@	OR	4/4/01
3	SRO Tier 2 Group 2 System 012 Reactor Protection showed a SRO KA 2.4.39 ARO=s responsibility for Emergency plan implementation@. This KA does not meet 10 CFR 55.43 for SRO criteria. This KA will be replaced with SRO KA 2.4.38 AAbility to take actions called for in the emergency plan including acting as the Emergency Coordinator@.	OR	4/4/01
4	The RO Summary Sheet KA Category Point values did not match the Tier Group sheets. The Tier Group Sheets are correct. The Summary Sheet has been corrected to reflect the point totals for each category per the Tier Group sheets.	OR	4/4/01

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PVNGS 2001 NRC License Examination
 Operating Examination
 Description of Modifications

Administrative Walkthrough			
Admin #	Modification	Source	Date
1	SRO JPM A2 description show it as both a new and modified JPM. RO JPM A2 description show it as a new JPM. The SRO and RO Outline updated to reflect it as an existing bank JPM.	OR	4/4/01
2	SRO/RO JPM A4 Rad Protection was denoted as a knowledge item. This should be an ability item. Changed to reflect the correct KA ability statement.	OR	4/4/01
3	RO JPM A5 covers an EOP. This JPM has been replaced with an Emergency Communications Procedure related JPM per telcon.	OR	4/4/01
4	SRO/RO JPM A4 was denoted as NEW. Changed JPM A4 to MODIFIED.	OR	4/5/01

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PVNGS 2001 NRC License Examination
 Operating Examination
 Description of Modifications

Operating (Scenario) Test			
Scenario #	Modification	Source	Date
Scenario #2	ES-D-1, Modified Turnover to include >E= Charging pump, pre-start appendix has been completed	PV	3/26/01
General	ES-301-5 RO and SROI Forms modified to include PO/SO designation to clarify positions during scenarios.	OR	4/4/01
General	ES-D-1 Forms modified to show crew position each Event Type is targeted for.	OR	4/4/01
Scenario #1	ES-D-1 form modified to add C (SO) to Auxiliary feedwater in Event 4 to clarify SO action.	OR	4/4/01
Scenario #2	Only 1 malfunction after EOP entry, not two.	OR	4/4/01
General	Inserted reactivity control information into turnover for scenarios 2 and 3 to meet new Operation=s expectations.	OR	4/5/01

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