## **INITIAL SUBMITTAL OF THE WRITTEN EXAMINATION**

## FOR THE BRAIDWOOD INITIAL EXAMINATION - JULY 2002

,

Exelon Generation Company, LLC Braidwood Station 35100 South Rt 53, Suite 84 Braceville, IL 60407-9619 Tel. 815-458-2801

www.exeloncorp.com

**Exel**un

Nuclear

May 14, 2002 BW020042

James E. Dyer Regional Administrator U.S. NRC Region III Administrator 801 Warrenville Road Lisle, IL 60532-4351

a second and a second and a second

Braidwood Station, Units 1 and 2 Facility Operating License Nos. NPF-72 and NPF-77 NRC Docket Nos. 50-456 and 50-457

Subject: Submittal of Integrated Initial License Training Examination Materials

Enclosed are the examination materials, which Braidwood Station is submitting in support of the Initial License Examination scheduled for the weeks of July 8, 2002 through July 19, 2002, at the Braidwood Station.

This submittal includes the Senior Reactor Operator and Reactor Operator Written Examinations, Job Performance Measures, and Integrated Plant Operation Scenario Guides.

These examination materials have been developed in accordance with NUREG-1021, "Operator Licensing Examination Standards," Revision 8, Supplement 1. Please note that reference materials are attached to each individual examination question or item.

Some minor modifications have been made to the Integrated Examination Outline with regards to the operational scenarios in order to improve balance and content. These changes improve examination quality and are in compliance with NUREG-1021, Revision 8, Supplement 1.

Some modifications or adjustments to the examination material may be required due to procedural changes.

In accordance with NUREG 1021, Revision 8, Supplement 1, Section ES-201, "Initial Operator Licensing Examination Process," please ensure that these materials are withheld from public disclosure until after the examinations are complete.

May 14, 2001 U.S. Nuclear Regulatory Commission Page 2

Should you have any questions concerning this letter, please contact Amy Ferko, Regulatory Assurance Manager, at 815-417-2699. For questions concerning examination materials, please contact Mark Olson at 815-458-7856 or 815-458-7829.

2. 前风的工作并且不可能的。

Respectfully,

Jam/es D. von Suskil Site Vice President Braidwood Station

Enclosures: (Hand delivered to Mike Bielby, Chief Examiner, NRC Region III)

RO/SRO Composite Examination with references attached Control Room Systems and Facility Walk-Through Job Performance Measures with references and built : 如此不能推荐的意思。 Administrative Topic Job Performance Measures with references attached A region Integrated Plant Operation Scenario Guides The sector of the sector sector and the **Completed Checklists:** ية: ما إياً ا Operating Test Quality Checklist (Form ES-301-3) Simulator Scenario Quality Checklist (Form ES-301-4) Competencies Checklist (Form ES-301-6) Written Exam Quality Checklist (Form ES-401-7) Examination Security Agreements (Form ES-201-3) Record of Rejected KAs (Form ES 401-10)

	-	Γ	SkyScraper		Skyscraper		stem/Evolution	List	RO System/E	volution List Or	utline Chang	es	28	/// 23
			tion Topic	22039	nuous Rod W		*****		*****					
		Durin	g power o	perations,	a continuous	s rod with	drawl acciden	t has resulted	in an ATV	/S situation on Unit	1.			
	×	Which	n of the fol	lowing is l	REQUIRED t	o align th	e PREFERRE	D method of	emergency	boration for this eve	ent?			
											~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
1. A.		a.	Open 1C	V8104, st	art the BA tra	nsfer pun	np, check eme	ergency borati	on flow >3	0 gpm, verify chargi	ng flow >30	apm	. An the state	Sima St.
		b.												
		<b>2</b> .				ose 1CV1	112B or 1CV1	12C, maximiz	e charging	flow, isolate letdow	<b>ា</b> ំ សំសំណង់អំរ៉ុ	& HAR OULD	a anna anna anna anna anna anna anna a	CONTRACTOR
		c.	Open 1C	V110A an	d 1CV110B, :	start the E	BA transfer pu	mp, verify cha	arging flow	>30 gpm	ana a na yanga ya			
		d.	Open 1S	8801A or	1SI8801B Io	cally thro	ttle rupping (1)	V numn diach		to match 1FI-917 ar				
			·····					v pump discn	arge valve	to match 1EI-917 ar	nd letdown fl	w		
	-	Answe	r a	Exam L	evel B	Cogn	itive Level	Memory	Fa	scility: Braidwood	1 E	xamDate:	[	7/19/02
. 4			000001A1		AA1.04	RON	/alue: 3.8	SRO Value	3.6	Section: EPE	RO Gro	ıp: 2	SRO Grou	p; 1
			/Evolutio	n Title	Continuous	Rod With	Idrawal			3		i en	• <u>••</u> •••	
• • • •		KA Sta	tement:	Ability to	operate and /	or monit	or the followin	g as they app	ly to Contir	uous Rod Withdraw	val:		lan manan milan	o Suzatsi
sti (si	Γ	Explana	ation of	(A). is the	preferred me	ethod (list	ded first) per 1	or-operated v	alve operation	ting switch e backup methods lis	and a group	a stand		
		Answer	'S:	only an o	ption listed in	OA PRI-	2		and Of are	- Address of the total and the	A Secondary		successtul.	
			F	leference	Title		Facility I	Reference Ni	umber	Reference Section	n Page	No Revis	sion L.O. M	humbor
-		Function	nal Restor	ation - AT	WS Procedu	re	1BwFR-S.1		· · · · ·	Step 4	4			
	ļ						ĺ						;	
						]								
	1-				nination									
		Questio	n Source	New			Question Mod	lification Met	hod:		Used	During Train	ning Progra	im   [ ]
		Questio	n Source	Commen	ts									
					[									
	<u> </u>	Comme	nt Type	Comme	nt .	i. Select		1949 - S.		-, (a.) Edit		Review	s Complete	
	Ē							****				Peer	]	
			<u> </u>						****			Supervi		
	***		L	I			<del></del>					Facility NRC		
									5-8-1					

RO SkyS	Scraper SRO Skyscraper RO St	stem/Evolution List SRO System/E	volution List Outline (	Changes	Chem 216
Question	Topic Dropped Control Rod	***************************************			
The follow	wing plant conditions exist on Unit 1:	***************************************			
- Tave i - Presso - Rod H - ROD /	tor power is 75% is 565 °F urizer pressure is 2235 psig I-8 drops to the bottom of the core AT BOTTOM annunciator is LIT				
		it is RCS pressure(1) and	RCS Tave(2)		
a. [inc	(2) creases Increases		1		
		1990-1990 - Barran Maria and Anna an ann an Anna an Ann Anna Anna			
<b>b.</b> De	ecreases Increases				
c. Inc	creases Decreases	•			
d. De	ecreases Decreases		an a		
Answer	d Exam Level B Cogr		acility: Braidwood	ExamDate:	7/19/02
KA: 000	0003A106 AA1.06 RO	Value: 4.0 SRO Value: 4.1	Section: EPE R	O Group: 2	RO Group: 1
System/E	volution Title Dropped Control Ro	d			
KA Staten	Ability to operate and / or mon RCS pressure and temperatur	tor the following as they apply to Drop		an a	
Explanatio Answers:	on of RCS temperature and pressur	e will decrease with power immediately	r following a dropped cont		
	Reference Title	Facility Reference Number	Reference Section	Page No. Revis	ion L.O. Number
Dropped o	or Misaligned Rod	BwOA ROD-3	Symptoms	1 101	
BwOA RO	DD-3 Lesson Plan	11-OA-XL-34		4 8	2,5
[					
Material R	Required for Examination				
Question	Source: New	Question Modification Method:		Used During Train	ing Program
Question	Source Comments		۵۰٬۰۰۰ میل میروند. دور بر در باری اور بر باری اور باری اور باری اور		
Comment	Type Comment	· · · · · · · · · · · · · · · · · · ·		Reviews Peer Supervi Facility NRC	sory

	- Co	DMS is in ontrol Bar termal po	operable ik D, Rod I wer is 100	itions exist o D-12 has be 0% and stab	ecome mis	aligned from	the rest of the g	roup by 1	0 steps					
-	1 - QF	PTR asso	ciated with	h N41 has ju	ist been d	etermined to b	be 1.10 8 hours, therma			to:				
	a.	0%					<b>0.</b> (1)							
	b.	50%	****										· · ·	
								••••••••••••••••••••••••••••••••••••••	n stationegen of a					and an open of
	c.	70%	•• • • • • • • •	· · · · · · · · · · · · · · · · · · ·										
	d. (	77%												
	Answer	b	Exam L	evel B		•••			-					
94.		00005K1		AK1.01		itive Level	Application			idwood	Exam	Date:		7/19/02
	System/			Inoperable		Value: 3.1	1	<u>ا</u>	Section:	EPE	RO Group:	<u>1</u> S	RO Group	
	KA State	ement:	·	,			the following co		s they apply t	o Inoperabl	e/Stuck Cont	rol Rod:		05
. [	Explana Answers	tion of	Per 3.2.4	- reduce no	wer greate	ar than or one	-14- 00/ 6							
۰۱ ۲			incorrect,	homei jenej	s listed are	Tours of each	al to 3% for each determination. <del>% is only a 3% r</del>	(A) is inc	correct - the T	S is not app the initial re	licable below	v 50% po	ver. (C&D)	are
	Para Para	F	eference	Constant and a second	<u></u>	and the second s	Reference Num	1. 1. A.	Reference S					
1			gned Rod			1BwOA Roc					Page No.	Revisio	n L.O. Ni	imber
	Tech Spe	ecs				3.2.4					3.2.4-1	110		
	Motorial					Į		]			Í			
1-	Question	******	for Exam		<u> </u>									<u> </u> 
			Comment	ty Exam Bar		Question Mod	lification Metho	od: E	ditorially Mod	lified	Used Durin	g Trainin	g Progran	1
	Lucotion	Godice	somment	S.						****				
			Commen	t										<u> </u>
	Comment	Type							<u>la se se se s</u>			leviews (	omplete	
	Comment	t Type									T F	'eer		

,

		trip the reactor								··· .	
b.	Verify the	turbine is tripped									
<b>c.</b>	Send an c	operator to locally v	verify reactor	trip breakers ar	e open		$1 \ge 1$ $2 \ge E_{\rm ext}$	nalo prélikty	s Si ng mar r		
a	Transition	to 1BwFR-S.1, "R	esponse to N	luclear Power G	Generation/ATWS"			in a the s		. :	******
Answer	r a	Exam Level B	Cogn	itive Level	Memory	Facility: Brai	idwood	Exam(	Date:	7/	/19/02
KA:	000007K2	03 EK2.03	RON	/alue: 3.5	SRO Value: 3.6	Section:	EPE R	O Group:	2 SR	O Group:	2
1000 1000 1000 1000 1000 1000 1000 100		······································									
System	n/Evolutio		Trip	· · · ·	i anteresti p	·					, ,
	n/Evolution	n Title Reactor	interrelations	between React					.7 - 2 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
KA Stat	v/Evolutio	n Title Reactor Knowledge of the Reactor trip status	interrelations panel		or Trip and the follow	ving:				des l'energie de	
KA Stat	tement:	n Title Reactor Knowledge of the Reactor trip status Per 1BwEP-0 Step manually trip the re	interrelations panel 5 1, actions ar eactor. After t	e closed bullett	or Trip and the follow ed therefore reactor t attempt the operators	ving: trip breakers mu	n sten 2 /R.i	d open or the	e RNO app	plied to	
KA Stat	tement: ation of	n Title Reactor Knowledge of the Reactor trip status Per 1BwEP-0 Step manually trip the re required with SUR	interrelations panel 51, actions ar eactor. After t	re closed bullett he manual trip a	or Trip and the follow	ving: trip breakers mu s may proceed t	o step 2 (B i <del>llowed to dia</del>	d open or the ncorrect). Tra	e RNO app ansition to	olied to FR-S.1 is n	not
KA Stat Explana Ariswer	I/Evolution tement: ation of rs:	Reactor Knowledge of the Reactor trip status Per 1BwEP-0 Step manually trip the re required with SUR the status of Reac	interrelations panel o 1, actions ar eactor. After t more negativ tor Trip Break	re closed bullett he manual trip te than02 DP ters while perfo	ed therefore reactor t attempt the operators M. (D inconect). No p rming the RNO of ste	ring: trip breakers mus may proceed to novisions are a p 1 (C incorrect	o step 2 (B i <del>llowed to dia</del> t).	ed open or the ncorrect). Tra spatch an ope	e RNO app ansition to prator to to	olied to FR-S.1 is n cally verify	not
KA Stat	I/Evolution tement: ation of rs:	Reactor Knowledge of the Reactor trip status Per 1BwEP-0 Step manually trip the re required with SUR the status of Reac	interrelations panel o 1, actions ar eactor. After t more negativ tor Trip Break	re closed bullett he manual trip te than02 DP ters while perfo	or Trip and the follow ed therefore reactor t attempt the operators M. (D inconect). No p rming the RNO of ste	trip breakers must may proceed to novisions are a p 1 (C incorrect	o step 2 (B i <del>llowed to dia</del> t).	d open or the ncorrect). Tra patch an ope	e RNO app ansition to to prator to to Revision	olied to FR-S.1 is n	not
KA Stat	I/Evolution tement: ation of rs:	n Title Reactor Knowledge of the Reactor trip status Per 1BwEP-0 Step manually trip the re required with SUR the status of Reac	interrelations panel o 1, actions ar eactor. After t more negativ tor Trip Break	re closed bullett he manual trip a we than02 DF ers while perfo	ed therefore reactor t attempt the operators M. (D inconect). No p rming the RNO of ste	ring: trip breakers mus may proceed to novisions are a p 1 (C incorrect	o step 2 (B i <del>llowed to dia</del> t).	ed open or the ncorrect). Tra spatch an ope	e RNO app ansition to prator to to	olied to FR-S.1 is n cally verify	not
KA Stat	I/Evolution tement: ation of rs:	n Title Reactor Knowledge of the Reactor trip status Per 1BwEP-0 Step manually trip the re required with SUR the status of Reac	interrelations panel o 1, actions ar eactor. After t more negativ tor Trip Break	re closed bullett he manual trip a we than02 DF ers while perfo	ed therefore reactor t attempt the operators M. (D inconect). No p rming the RNO of ste	trip breakers must may proceed to novisions are a p 1 (C incorrect	o step 2 (B i <del>llowed to dia</del> t).	d open or the ncorrect). Tra patch an ope	e RNO app ansition to to prator to to Revision	olied to FR-S.1 is n cally verify	not
KA Stat	I/Evolution tement: ation of rs: R Trip or Sa	n Title Reactor Knowledge of the Reactor trip status Per 1BwEP-0 Step manually trip the re required with SUR the status of Reac	interrelations panel 0 1, actions ar eactor. After t more negative tor Trip Break	re closed bullett he manual trip a we than02 DF ers while perfo	ed therefore reactor t attempt the operators M. (D inconect). No p rming the RNO of ste	trip breakers must may proceed to novisions are a p 1 (C incorrect	o step 2 (B i <del>llowed to dia</del> t).	d open or the ncorrect). Tra patch an ope	e RNO app ansition to to prator to to Revision	olied to FR-S.1 is n cally verify	not
KA Stat	I/Evolution tement: ation of s:	n Title Reactor Knowledge of the Reactor trip status Per 1BwEP-0 Step manually trip the re required with SUR the status of Reactor eference Title afety Injection	interrelations panel 0 1, actions ar eactor. After t more negative tor Trip Break	re closed bullett he manual trip a ve than02 DP ers while perfor Facility R 1BwEP-0	ed therefore reactor t attempt the operators M. (D inconect). No p rming the RNO of ste eference Number	ving: trip breakers must s may proceed to novisions are a p 1 (C incorrect <b>Reference S</b> Step 1	o step 2 (B i <del>llowed to dia</del> !). Section	Page No.	e RNO app ansition to prator to to Revision 100WO	olied to FR-S.1 is n cally verify	nber
KA Stat	I/Evolution tement: ation of rs: R Trip or Sa I Requirect I Requirect	n Title Reactor Knowledge of the Reactor trip status Per 1BwEP-0 Step manually trip the re- required with SUR the status of Reactor eference Title afety Injection	interrelations panel 0 1, actions ar eactor. After t more negative tor Trip Break	re closed bullett he manual trip a ve than02 DP errs while perfor Facility R 1BwEP-0	ed therefore reactor t attempt the operators M. (D inconect). No p rming the RNO of ste	trip breakers must may proceed to novisions are a p 1 (C incorrect	o step 2 (B i <del>llowed to dia</del> !). Section	d open or the ncorrect). Tra patch an ope	e RNO app ansition to prator to to Revision 100WO	olied to FR-S.1 is n cally verify	nber

	RO SkyScraper SRO Skyscraper RO System/Evolution List SRO System/Evolution List Outline Changes Official Stress
	Question Topic Pressurizer (PZR) Vapor Space Accident (Relief Valve Stuck Open)
~	A large vapor space LOCA has occurred on Unit 1. The operating crew has implemented the appropriate emergency procedures and is currently in 1BwEP-1, Loss of Reactor or Secondary Coolant. The STA is monitoring status trees. The following indications are observed in the Main Control Room:
	<ul> <li>Train 'A' CETCs indicate 720°F</li> <li>Train 'B' CETCs are de-energized.</li> <li>Thermocouple Map Display on CRT #2 indicates Average CETCs at 730°F.</li> <li>BVI IS indicates 15% in the elements</li> </ul>
	<ul> <li>RVLIS indicates 15% in the plenum.</li> <li>RCS pressure is 350 psig.</li> </ul>
14 - 1 14 14 14	Core cooling is and will be ensured by performing(2)
••	a. ADEQUATE 1BwEP-1, Loss of Reactor or Secondary Coolant
	SATURATED         1BwFR-C.3, Response to Saturated Core Cooling
	DEGRADED 1BwFR-C.2, Response to Degraded Core Cooling
	d INADEQUATE 1BwFR-C.1, Response to Inadequate Core Cooling
	Answer c Exam Level S Cognitive Level Comprehension Facility: Braidwood ExamDate: 7/19/02
рт жел — 1 1	KA:       000008A216       AA2.16       RO Value:       3.8       SRO Value:       4.1       Section:       EPE       RO Group:       2       SRO Group:       2         System/Evolution Title       Pressurizer Vapor Space Accident
	KA Statement: Ability to determine and interpret the following as they apply to Pressurizer Vanor Space Ascident
-	Explanation of (C) Correct - given conditions present an ORANCE path an order interpretation
ľ	Answers: are incorrect as the ORANGE path overrides the normal EOP and a Yellow terminus. (D) Incorrect - >1200°F required for this
	Reference Title Facility Reference Number Reference Section Page No. Revision L.O. Number
	Status Trees 18wST-2 1 WOG 1
Ľ	Material Required for Examination 11BwST-2 status tree & Steam Tables
-	
1	Question Source:       Facility Exam Bank       Question Modification Method:       Editorially Modified       Used During Training Program         Question Source Comments       2001 Bwd NRC
	Comment Type Comment at Reviews Complete
	Peer       Supervisory       Facility
	NRC
	5

,

Question Topic Pressurizer (PZR) Vapor Space Accident (Relief Valve Stuck Open)	
Unit 1 is in Mode 3 RCS pressure control was lost resulting in RCS pressure peaking at 2500 psig. Both Pzr PORVs and 1 Pzr Safety valve opened, then closed. Operators have subsequently stabilized RCS pressure at 2235 psig.	
This event is(1)because(2)	
a. Reportable The Pzr PORVs and Safeties were challenged entropy data and a state of the Bars of the B	
Reportable Only the Pzr Safety Valve was challenged	and Albert Albert
Not Reportable RCS pressure did not exceed the safety limit	nal on statetages i Akapergina
d. Not Reportable The PORVs and Safety closed after opening	
Answer a Exam Level S Cognitive Level Application Facility: Braidwood E	xamDate: 7/19/02
KA:         000008G430         2.4.30         RO Value:         2.2         SRO Value:         3.6         Section:         EPE         RO Group	p: 2 SRO Group: 2
System/Evolution Title Pressurizer Vapor Space Accident	008
KA Statement: Knowledge of which events related to system operations/status should be reported to outside agencies	an a
Explanation of Per TS 5.6.4 - Monthly Operating Reports Document all challengoes to the Per BODY on Cafe Main	
as the r OKVs were challenged and is also reportable (C&D) Incorrect - it is reportable	A STATE WALL AND A STATE
Reference Title Facility Reference Number Reference Section. Page	No. Revision L.O. Number
Tech Specs - Monthly Operating Report     5.6.4         5.6-2	A98
Material Required for Examination	
	During Training Program
Question Source Comments	
Comment Type	Reviews Complete
	Peer
	Supervisory
	Facility

~~~

|   | Question Topic Small Break LOCA  |                |
|---|--|----------------|
|   | Following a small break LOCA, some reactor decay heat might be removed by "reflux flow".   | 7              |
|   | Reflux flow is to set to be active reactor decay heat might be removed by "reflux flow".   |                |
|   | Reflux flow is best described as:  |                |
|   |  |                |
| ` |  |                |
|   |  |                |
|   |  |                |
|   |  |                |
|   | a. Steam produced inside the core is an in   |                |
|   | <ul> <li>Steam produced inside the core is condensed in the steam generator tubes and returned to the core via gravity counterflow along the bottom</li> <li>Steam produced inside the core is condensed in the steam generator tubes and returned to the core via gravity counterflow along the bottom</li> </ul>   |                |
|   | b. Steam produced inside the core is conduced inside the c |                |
|   | <ul> <li>Steam produced inside the core is condensed in the steam generator tubes and returned to the core via natural circulation flow along the</li> <li>Liquid heated by the core is condensed in the steam generator tubes and returned to the core via natural circulation flow along the</li> </ul>  |                |
|   | C. Liquid heated by the core is subsequently each in the second state of the second st |                |
|   | <ul> <li>Liquid heated by the core is subsequently cooled inside the steam generator tubes and returned to the core via counterflow along the top of</li> <li>Liquid heated by the core is subsequently cooled inside the steam generator tubes and returned to the core via counterflow along the top of</li> </ul>   |                |
|   | d. Liquid heated by the core is subsequently cooled incide the   |                |
|   | d.       Liquid heated by the core is subsequently cooled inside the steam generator tubes and returned to the core via natural circulation flow along         Answer       a  |                |
|   |  | Currente<br>I  |
|   | KA: 000009K101 EK101 Trading Trading Braidwood Example: 7/10/001   |                |
|   | RO Value: 4.2 SRO Value: 4.7 Section   |                |
|   | Simali Break LOCA  |                |
|   | KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Small Break LOCA:       009         Natural circulation and cooling, including reflux boiling       009   |                |
|   | Natural circulation and cooling, including reflux boiling         Explanation of       (A) Correct - reflux cooling, including reflux boiling  |                |
| Ċ | Provide UNITED TO THE TOTAL T  |                |
|   |  | 5 . 1<br>V 120 |
|   | Réference Title  | 18. T.)        |
| 1 | Reference Title         Facility Reference Number         Reference Section         Page No.         Revision         LO. Number   | · · ·          |
| 1 | Mitigating Core Damage   |                |
|   | MTG         LOCA Core Cooling         1-1-89/90  | : 1            |
| F |  |                |
|   | Material Required for Examination  |                |
|   | Question Source: Facility Exam Bank Question Modification Medi   |                |
|   | Question Source Comments         Question Modification Method:         Editorially Modified         Used During Training Program   |                |
| E | eeros oonnenis   |                |
| h |  |                |
|   | Comment Type Comment   |                |
|   | Reviews Complete   |                |
|   |  |                |
| - | Supervisory  |                |
|   | Facility   |                |
|   |  |                |
|   |  |                |
|   |  |                |

| RC            | ) SkyScraper            | SRO Skyscraper                                     | RO Sy                     | stem/Evolution List                       | SRO System/                             | Evolution List   | Outline         | Changes      |                       | QNum                                     | 236   |
|---------------|-------------------------|--|---------------------------|---|---|--|-----------------|--------------|-----------------------|--|-------|
| Que           | estion Topic            | Large Break LOCA                                   |                           |   |   |  |                 |              |                       | السمينيني                                |       |
| Res           | storation of ade        | equate cooling flow to                             | the core                  | during a large bre                        | ak LOCA is best a                       | chieved by:  |                 |              |                       |  |       |
|               |                         |  |                           |   |   |  |                 |              |                       |  |       |
|               |                         |  |                           |   |   |  |                 |              |                       |  |       |
|               |                         |  |                           |   |   |  |                 |              |                       |  | ***** |
|               |                         |  |                           |   |   |  |                 |              |                       |  |       |
|               |                         |  |                           |   |   |  |                 |              |                       |  |       |
| a.            | Starting all I          | Reactor Coolant Pum                                | ips                       |   |   |  |                 |              |                       | en e |       |
| b.            | Establishing            | i high-head Safety Inj                             | ection flo                | 14/                                       |   |  |                 |              |                       |  |       |
|               |                         |  |                           |   |   | an an third and a second s | it o louis<br>A | 1.1          |                       | at Kabla, Appens                         |       |
| c.            | Reducing R              | CS pressure by open                                | ing both l                | Pzr PORVs                                 |   |  |                 |              |                       |  |       |
| d.            | Rapidly dep             | ressurizing all Steam                              | Generate                  | ors to atmospheric                        | pressure                                |  |                 |              | ;                     |  | 릐     |
| Answ          |                         | xam Level R  |                           |   |   |  |                 |              | ,                     |  |       |
| KA:           | 000011A210              |  |                           |   |   |  | dwood           | Exam         | Date:                 | 7/19/0                                   | 02    |
| (             | m/Evolution'1           | EA2.10   | ROV                       | alue: 4.5 SF                              | RO Value: 4.7                           | [  |                 | O Group:     | 2 SRC                 | Group;                                   | 1     |
|               |                         |  |                           | the following as t                        | how onclusion Large                     |  |                 |              |                       | 011                                      |       |
| ſ             | . Ve                    | pility to determine and<br>prification of adequate |                           | pling                                     |   | lah shinan genin   | 2004 CD14       | 511 G        |                       | يوجر الإفرا                              |       |
| Expla<br>Answ | nation of "R<br>ers: ba | einitiation of High He<br>ckground document.       | ad SI is tl<br>(B) is the | he most effective i<br>e correct response | method to recover t                     | he core and re   | estore adequ    | ate core coo | oling" 1BwF           | R C.11 (1986) 58                         |       |
|               |                         | erence Title                                       |                           |   |   | -11  |                 |              |                       | e 1º Maria de la                         |       |
| 1             |                         | erence i itie<br>ents - Inadequate coo             | lina I                    | BwFR C.1                                  | rence Number 💷                          | Reference S  | 1               | Page No.     | Revision              | L.O. Number                              |       |
|               |                         |  |                           |   |   | <u> </u>   |                 | 2            | 1                     |  |       |
|               |                         |  |                           |   |   |  | I               | 1            |                       | <u></u>                                  | 뤼     |
| Materi        | al Required fo          | or Examination                                     |                           |   |   |  |                 | ,            | ,                     | I  | 긖     |
| Quest         | ion Source:             | New  | Q                         | uestion Modifica                          | tion Method:                            |  | 1               | Used Durin   | g Training            | Program                                  |       |
| Quest         | ion Source Co           | mments   |                           |   | J~J~                                    |  | ······          |              |                       |  |       |
|               |                         |  |                           |   |   |  |                 |              |                       |  |       |
| Comm          | ent Type C              | omment   | -                         | - The -                                   |   |  |                 | F            | Reviews Co            | mplete                                   |       |
|               |                         |  |                           |   |   |  |                 |              | 'eer                  | 7  | ****  |
|               |                         |  |                           |   |   |  |                 |              | upervisory<br>acility |  |       |
|               |                         |  | ***                       | *****                                     | *************************************** | *****  |                 |              |                       |  |       |
|               |                         |  |                           |   |   |  |                 |              |                       |  |       |

|  |                                   |                         | nowing explains why it   | IS necess                             | sary to start Auxiliary Feedwater and   | verify flow during a large b | reak LOCA a  | ccident?  |  |  |  |  |
|--|-----------------------------------|-------------------------|--|---------------------------------------|---|------------------------------|--|---|--|--|--|--|
|  |                                   |                         |  |                                       |   |                              |  |   |  |  |  |  |
| 1996)<br>1997 - 1997 - 1997  |                                   |                         |  |                                       | to prevent steam generator tube lea   |                              |  |   | ્યાહ   |  |  |  |
| të pater<br>Chui   | b.                                | To remov                | /e RCS decay heat via  | forced ci                             | rculation coolant flow.   | an anna an na stàite an      | an na shekara ka   | kana sing p   |  |  |  |  |
|  | c,                                | 1                       |  |                                       |   |                              |  |   | ····   |  |  |  |
| To remove RCS decay heat via natural circulation coolant flow. Control |                                   |                         |  |                                       |   |                              |  |   | 1996 and the second  |  |  |  |
|  |                                   |                         |  |                                       |   | ion                          |  | . 0111¢   | S. LAND DAGANAN  |  |  |  |
|  | Answ                              |                         | Exam Level B   |                                       |   | acility: Braidwood           | Exam   | Date:   | 7/19/02  |  |  |  |
|  |                                   | 000011K3                |  |                                       | 4.1         SRO Value:         4.3  | Section: EPE                 | O Group:   | 2 SRC   | Group: 1   |  |  |  |
|  |                                   | atement:                | Knowledge of the reas  | sons for th                           | e following responses as they apply   | to Large Break LOCA:         | and and a second se | ta site or fer  | 011  |  |  |  |
|  | Answe                             | nation of<br>ers:       | Per background docs<br>leakage. (B,C,D) incor<br>remain higher than in | - (A) Corr<br>rect - stea<br>the RCS) | ect. Since SG's will eventually be dep<br>am generators are not required as a h | ips                          | l prevent prir<br>DCAs (temps  | General I.  | ondary training train |  |  |  |
|  |                                   | R                       | eference Title   |                                       | Facility Reference Number   | Reference Section            | Page No.   | Revision  | L.O. Number  |  |  |  |
| $\sim$   |                                   |                         | r Secondary Coolant  |                                       | 1BwEP-1   | Step 3                       | 4  | 100   | E.O. Number.   |  |  |  |
|  | Backgi                            | round Docu              | ments  |                                       | EP-1  | Step 3                       | 51   | 1C  |  |  |  |  |
|  |                                   | al Roguiror             | for Event  | l                                     |   | ]                            | ]  |   |  |  |  |  |
|  | Material Required for Examination |                         |  |                                       |   |                              |  |   |  |  |  |  |
|  |                                   | on Source:              | New  | 10                                    | Junction Medification Man   |                              |  | No. of the second se | Program  |  |  |  |
|  | Questi                            | on Source:<br>on Source | Comments   |                                       | Ruestion Modification Method:   |                              | Used Durin   | g Training  |  |  |  |  |

|        | RO SkyScraper   | SRO Skyscraper  | RO System/Evolution List   | SRO System/          | Evolution List Outl    | ine Changes                           |  | QNem 1                     | 221      |
|--------|---|---|--|----------------------|------------------------|---------------------------------------|--|----------------------------|----------|
| Q      | uestion Topic   | Reactor Coolant Pu  | mp (RCP) Malfunctions (L   | .oss of RC Flow)     |                        |                                       | <u>a</u>   | <u>منا المشتقل</u>         |          |
| G      | Given the following                                     | g:  |  |                      |                        |                                       |  |                            |          |
|        | - RCP No. 1 SE/<br>- No. 2 seal leak<br>- RCP No. 1 sea | off high flow alarm ha<br>Il leakoff recorder indi  | HGH alarm is received<br>s been printed<br>cation is offscale high on t<br>what action is procedural           |                      | en?                    |                                       |  |                            |          |
|        | a. The No. 1 a  | ind No. 2 RCP seals h   | ave failed and a controlled  | d roostor obvitie    |                        |                                       |  |                            |          |
|        | ·····   |   |  | a reactor snutdown   | is required            |                                       |  |                            |          |
|        | b. The No. 2 R  | CP seal has failed ar   | d continued monitoring of  | RCP conditions is    | equired                |                                       |  |                            |          |
|        | c. The No. 1 R  | CP seal has failed an   | d an immediate reactor tri   | p is required        |                        |                                       |  | · ·                        |          |
|        | <b>d.</b> The No. 2 ar                                  | nd No. 3 RCP seals h  | ave failed and continued n   | nonitoring of RCP of | onditions is required  |                                       |  |                            | 4        |
| Ane    |   |   | · · · · · · · · · · · · · · · · · · ·  |                      |                        | ······                                |  |                            |          |
|        |   | xam Level B   | Cognitive Level Co   | mprehension F        | acility: Braidwood     | Exam                                  | Date:  | 7/19/0                     | )2       |
| KA:    | 9 [   |   | and a second | RO Value: 4.2        | Section: EPE           | RO Group:                             | 1 56   | RO Group:                  | 1        |
|        | tem/Evolution T   |   | ant Pump Malfunctions (Lo  |                      |                        |                                       |  | 017                        |          |
| KA :   | Statement: Ab   | bility to operate and / o   | or monitor the following as  | they apply to Reac   | tor Coolant Pump Malfi | unctions (Loss a                      | of RC Flow                                       | /):                        | <u></u>  |
| Exp    | 1100  | si scarialiure/mallun   |  |                      |                        |                                       |  |                            | 1        |
|        | wers: trip  |   | No. 1 seal has failed. The<br>RCP. Due to the high seal<br>sakoff is high but not in ala                       |                      |                        | 1 states to go to<br>le proper action | o step 12 v<br>i to take. A                      | which states to controlled |          |
| ,<br>i |   | erence Title  |  | rence Number         |                        |                                       |  |                            | <u> </u> |
| RCP    | P Seal Failure  | and the second secon | 1BwOA RCP-1  | rence Number         | Reference Section      | Page No.                              | Revisio  | n L.O. Number              |          |
| RCS    | S LP  |   | AP-XL-01   |                      | OAS                    |                                       | <u> </u>   |                            |          |
| RCP    | Seal Failure LP   |   | 11-OA-XL-27  |                      | <br>                   |                                       | 10   | 8                          | _        |
| Mate   | rial Required fo  | r Examination   |  |                      |                        | ]                                     | 10   | 3                          |          |
|        | stion Source:   | Facility Exam Bank  |  |                      |                        |                                       |  |                            | Ţ        |
| L      | stion Source Co   |   | Question Modifica  | tion Method:         | Direct From Source     | Used Durin                            | ng Trainin                                       | g Program                  | ]        |
|        |   | mments   1999 Bwo   | INRC   |                      |                        |                                       | *****  |                            |          |
| Com    | ment Type Co  | omment  |  |                      |                        |                                       | Reviews C<br>Peer<br>Superviso<br>acility<br>IRC | omplete                    |          |

|    |  | RO SkyScraper                   | SRO Skyscraper  | RO Sys  | tem/Evolution List      | SRO System                           | Evolution List Outlin                                   | e Changes                             |   | 20           |  |
|----|--|---------------------------------|---|---|-------------------------|--------------------------------------|---|---------------------------------------|---|--------------|--|
|    | Q  | Jestion Topic                   | Emergency Borati  | on  |                         |                                      |   | e onanges                             |   | 280 287      |  |
|    | TF   | e following pla                 | nt conditions exist on  | Unit 1:   |                         | ****                                 |   |                                       |   |              |  |
| ~  | -  | 40% reactor p<br>Rod control is | ower, steady state cc<br>in AUTOMATIC<br>s 75 gpm through the | nditons   | wn heat exchanger       |                                      |   |                                       |   |              |  |
|    | Te   | mperature cont                  | rol valve (1CC130A)   | CC flow c   | ontrol valve, repositio | ons due to a los                     | ss of Instrument Air to the                             |                                       |   |              |  |
|    | <u> </u> w   | hich of the follo               | wing describes the p  | ant respon  | nse to this event?      |                                      |   | valve positic                         | iner.   |              |  |
|    |  | 1. 1TCV-129                     | opens bypassing flow  | around th   | e demineralizers        |                                      |   |                                       |   |              |  |
|    | ŀ  | Control rod                     | s step out due to a re  | duction in I  | RCS temperature         |                                      |   |                                       |   |              |  |
|    | Control rods step in due to rising RCS temperature |                                 |   |   |                         |                                      |   |                                       |   |              |  |
|    | d  | . 1TCV-129 c                    | loses causing letdow  | n relief val  | ve to lift              |                                      |   |                                       |   |              |  |
|    | Ansi   | wer c                           | Exam Level R  | Cogniti   | ve Level Compre         | hension                              | acility: Braidwood                                      | Exam                                  | Date:   | 7/19/02      |  |
|    | KA:  | 000024A206                      |   | RO Va   | lue: 3.6 SRO V          | /alue: 3.7                           | Section: EPE  | RO Group:                             |   | D Group: 1   |  |
|    |  | em/Evolution                    | Fitle Emergency I   | Boration  |                         |                                      |   |                                       |   |              |  |
|    | KA S   | tatement: At                    | pility to determine and                                       | l interpret t   | the following as they   | apply to Emerg                       | ency Boration:  |                                       |   |              |  |
| Γ  | Expla  |                                 | hen boron dilution is   | the second se |                         | <i>6</i>                             | · · · · · · · · · · · · · · · · · · ·                   | · · · · · · · · · · · · · · · · · · · |   |              |  |
|    | Ansv   | /ers: bo                        | ron. Less boron in th   | e RCS cau   | ises power/RCS tem      | ff letdown flow.<br>perature to rise | At lower temperatures, r<br>. Control rods will step in | nixed beds ha                         | ave a higher  | affinity for |  |
|    |  | wil                             | I not fail closed or ca                                       | use letdow  | in pressure to rise.    | vili increase po                     | wer and tave. (D) fricons                               | <del>oct - tino io a</del> (          | 3 way divent  | valve and    |  |
| 1  | 1  | Refe                            | erence Title  |   | Facility Reference      | - N/                                 |   |                                       |   | I            |  |
| ſ  | Unco   | ntrolled Dilution               |   | <br>  1   | BwOA PRI-12             |                                      | Reference Section                                       | Page No.                              | Revision  | L.O. Number  |  |
|    | CVCS   | S L P                           |   |   | 1-CV-XL-01 (15a)        |                                      | Symptoms / step 3                                       | 4                                     | 100   |              |  |
| Ι. |  |                                 |   |   |                         |                                      | <br>  | 9                                     | 10  | 14           |  |
|    | Mater  | ial Required fo                 | r Examination   |   |                         | ·····                                | [   | ]                                     |   | II           |  |
| F  |  | ion Source:                     | Facility Exam Bank  |   |                         |                                      |   |                                       |   | ]            |  |
|    |  | ion Source Co                   |   |   | estion Modification     |                                      | Direct From Source                                      | Used Durin                            | g Training  | Program      |  |
| C  |  |                                 |   |   |                         |                                      |   |                                       |   |              |  |
|    | SOINT  | ent Type Co                     | omment  |   |                         |                                      |   |                                       | Reviews Co<br>Peer  <br>Supervisory<br>acility<br>IRC | _            |  |
|    |  |                                 |   |   |                         |                                      |   |                                       |   | 11           |  |

| RO SkyScraper SRO Skyscraper RO   | System/Evolution List SRO System   | Evolution List Outline | Changes                                  |                             | CNUM 317               |
|---|--|------------------------|--|-----------------------------|------------------------|
| Question Topic Emergency Boration   |  |                        |  | J                           |                        |
| The following conditions exist on Unit 1:   |  |                        |  |                             |                        |
| <ul> <li>Reactor power is 80%</li> <li>Control Bank D is at 20 steps and inserting</li> <li>RED FIRST OUT for OTDT is LIT</li> <li>A manual reactor trip has been attempted</li> <li>Rod Bank Lo-2 RIL annunciator is LIT</li> </ul>  | unsuccessfully   |                        |  |                             |                        |
| The SRO will enter(1) which will  | direct the crew to(2)  |                        |  | ·                           |                        |
| a. 1BwFR S.1 Response to ATWS   | (2)  | ****                   | · · · · · · · · · · · · · · · · · · ·    |                             |                        |
| <ul> <li>EXTEND Software Control of American American Am<br/>American American Ameri<br/>American American American</li></ul> | Emergency Borate   |                        |  |                             |                        |
| b. 18wOA PRI-2 Emergency Boration   | Reactor Trip   |                        |  | ۲                           |                        |
| C. 1BwOA PRI-12 Uncontrolled Dilution   | Reactor Trip   |                        |  |                             |                        |
| d. 1BwOA ROD-1 Uncontrolled Rod Motio   | n Emergency Borate   |                        |  |                             |                        |
| Answer a Exam Level 5 Uog   | nitive Level Application   | acility: Braidwood     | 1- | <b>.</b>                    |                        |
|   |  |                        | Exam                                     |                             | 7/19/02                |
| System/Evolution Title Emergency Boration   |  | Section: EPE           | O Group:                                 |                             | Group: 1               |
| KA Statement:   |  | ****                   |  |                             | 024                    |
|   | indications for system operating param   |                        | l conditions f                           | or emergen                  | cy and                 |
| Explanation of<br>Answers: (A) Correct - Per 1BwEP-0, ste<br>There are no entry symptoms  | ep 1 RNO, enter 1BwFR S.1 which will<br>for Pri-2, which does not direct a reacto<br><del>files stable secondary in step 1 which i</del> |                        | emergency<br>dications of a              | borate. (B)<br>in uncontrol | Incorrect, ed dilution |
|   |  |                        |  | ······                      |                        |
| Absormed Operating Descel   | Facility Reference Number  | Reference Section      | Page No.                                 | Revision                    | L.O. Number            |
| Abnormal Operating Procedures Emergency Operating Procedures  | 1BwOA PRI-2, PRI-12, ROD-1   | В                      | 1,2                                      | 58,100,5                    |                        |
| Functional Restoration Procedures   | 1BwEP-0  | Step 1                 | 3  | 100                         |                        |
|   | 18wFR-S.1  | Step 4                 | 4  | 1A                          | ]                      |
| Material Required for Examination   |  |                        |  |                             |                        |
| Question Source: New  | Question Modification Method:  |                        | Used Durin                               | g Training                  | Program                |
| Question Source Comments  |  |                        |  |                             |                        |
| Comment Type Comment  |  |                        |  |                             |                        |
|   | selection of appropriate procedures  |                        |  | Reviews Co                  | mplete                 |
|   |  |                        | <u>E-1-</u>                              | eer<br>upervisory           |                        |
|   |  |                        |  | acility                     |                        |
|   |  |                        | 1 1223                                   |                             |                        |

in Ne

| Per<br>OPE  | the TRM, whic<br>ERABLE in Mod | h of the followir<br>de 3?  | ng conditions | s meets the assoc   | ciated MINIMUI  | M requirement f  | or the Boric Aci  | d Storage Sys                                 | stem to be c          | onsidered                 |
|---|--------------------------------|---|---------------|---------------------|-----------------|--|-------------------|---|-----------------------|---------------------------|
| 1   |                                |   |               |                     |                 |  |                   |   |                       |                           |
|   |                                |   |               |                     |                 |  |                   |   |                       |                           |
|   |                                |   |               |                     |                 |  |                   |   |                       |                           |
| a.  | A contained                    | borated water l   |               |                     |                 |  |                   |   |                       |                           |
|   |                                |   | evel of 35%   |                     |                 |  | alat a sa basig   | en la constante                               | 2014) N               |                           |
| b.  | A boron cond                   | centration of 68  | 00 ppm        | · · · ·             | - Barristana)   | sa sa tanta ang sa | Li she Katan      | -   |                       |                           |
| c.  | A solution ter                 | mperature of 69   | ۱°F           |                     |                 |  |                   |   |                       | oranitan utan             |
|   |                                |   |               |                     |                 | 2.5.29 (Providentina)<br>S                             |                   | · · · · · · · · · · · · · · · · · · ·         | e i i i <b>su</b> nt  | . An in the second second |
| d.  | A flowpath to                  | the CV pump v   | ria 1CV110A   | , Boric Acid to Ble | ender VIv       |  | antes des l'he    | · · · · · · · · · · · · · · · · · · ·         | -                     | ·····                     |
| Answe   | er c Ex                        | am Level B  | Cogr          | nitive Level        | lemory          | Facility:  | Desident          | 1   |                       | · · ·                     |
| KA:   | 000024K104                     | AK1.04  |               |                     | SRO Value:      |  | Braidwood         | Exam  | Date:                 | 7/19/02                   |
| Systen  | m/Evolution Ti                 |   | ncy Boration  |                     | SRO Value:      | 3.6 Section  | L Immediate L     | RO Group:                                     |                       | Group: 1                  |
| KA Sta  | atement: Kno                   | 3   |               | mplications of the  | following cone  | A-26 11  |                   |   |                       | . 024                     |
| Trainide months   |                                |   |               |                     |                 |  |                   |   |                       | - 黄草杨纤花 (a)               |
| Explan<br>Answe   | iation of (C)                  | Correct - TRM<br>D&E and 1CV8   | requires 40°  | % level, 7000 ppr   | n, and 65°F. (A | &B) Incorrect. (                                       | D) Incorrect - su | urveillance for                               | flowpath inc          | cludes                    |
| A4.   | Refer                          |   |               |                     |                 |  | Dy incorrect - st | Stern an and St.                              | an terraine.          | stra conse                |
| (and and an an and an | vity Control Sys               | A STATE OF |               | Facility Rel        | erence Numb     |  | ice Section       | Page No.                                      | Revision              | L.O. Number               |
| 1   |                                |   |               |                     |                 | 3.1.f  |                   | 2,  | 1                     |                           |
|   |                                |   |               | <br> <br>           |                 |  |                   | ]]  |                       |                           |
| Materia   | I Required for                 | Examination   |               |                     |                 |  |                   | <u>الــــــــــــــــــــــــــــــــــــ</u> |                       |                           |
|   |                                | New   | <u> </u>      | Question Modific    | ation Math-d    |  |                   |   |                       |                           |
| Questio   | on Source Com                  | ments   | J             |                     | actori metribu  |  |                   | Used Durin                                    | g Training I          | Program                   |
|   |                                |   |               |                     |                 |  |                   |   |                       |                           |
|   | nt Type Cor                    | nment   |               |                     |                 |  |                   |   |                       | L                         |
| Comme   | 1                              |   |               |                     |                 |  |                   |   | Reviews Cor           | mplete                    |
| Comme   |                                |   |               |                     |                 |  |                   |   | eer                   |                           |
| Comme   |                                |   |               |                     |                 |  |                   |   | Upervisory            |                           |
|   |                                |   |               |                     |                 |  |                   |   | upervisory<br>acility | · ·····                   |

| RO SkyScrap   | oer SRO Skyscraper R   | O System/Evolution List                          | SRO System/Evo  | lution List Outlin                    | e Changes                         |                           | QNew 223           |
|---|--|--|---|---------------------------------------|-----------------------------------|---------------------------|--------------------|
| Question Top  | pic Loss of Residual Heat F  | Removal System (RHRS)                            |   |                                       |                                   |                           |                    |
| Given the foll  | owing plant conditions on Unit   | 1  |   |                                       |                                   |                           |                    |
| - RCS Press<br>- RCS Tave<br>- RCS Coold<br>- RHR total | hutdown with B train of RHR p<br>sure is 350 psig<br>i is 330°F<br>down rate is 30°F/hr<br>flow is 3300 gpm<br>IB RH Heat Exchanger Flow C |  |   | n)                                    |                                   |                           |                    |
| Flow transmitt  | ter 1FT-619, RHR Discharge F   | low, fails LOW with the flo                      | ow controller for 1R  | H619 in AUTOMATIC                     | ).                                |                           | ·                  |
|   | ndications will occur as a resul   |  | i.  |                                       | × .                               |                           |                    |
| a. The RC   | CS Cooldown rate and CCW te  | mperatures will both INCI                        | REASE   | · · · · · · · · · · · · · · · · · · · | · · ·                             |                           |                    |
| b. The RC   | S Cooldown rate will INCREA  | SE and COW tomporative                           |   |                                       |                                   |                           |                    |
|   |  |  |   |                                       |                                   |                           |                    |
| c. The RC   | S Cooldown rate and CCW te   | mperatures will both REN                         | AIN THE SAME  |                                       |                                   |                           |                    |
| d. The RC   | S Cooldown rate and CCW ter  | nperatures will both DEC                         | REASE   |                                       |                                   |                           |                    |
|   |  |  |   | ······                                |                                   |                           |                    |
| Answer a  |  | gnitive Level Applica                            | ation Facil   | ity: Braidwood                        | ExamD                             | ate:                      | 7/19/02            |
| KA: 000025K   |  |  | Value: 2.7 Se   | ection: EPE                           | RO Group:                         | 2 SRO                     | Group: 2           |
| System/Evoluti  |  | leat Removal System                              |   |                                       |                                   |                           | 025                |
| KA Statement;   | Knowledge of the interrelation<br>Service water or closed cool   | ns between Loss of Resi                          | dual Heat Removal   | System and the follo                  | wing:                             |                           |                    |
| Explanation of  | (D) Correct - with 1FT619 fai  | ling low more flow will be                       | demanded from fl  |                                       |                                   | -                         |                    |
| Answers:  | Exchanger, less RCS flow th  | rough the heat exchange                          | r will decrease the l   | RCS cooldown rate. I                  | nore flow will<br>ess heat is tra | bypass the<br>nsferred to | RH Heat<br>CCW and |
|   |  |  |   |                                       |                                   |                           | <u> </u>           |
|   | Reference Title  | Facility Referen                                 | ce Number Re  | ference Section                       | Page No.                          | Revision                  | L.O. Number        |
| Bwd Big Notes   | g Flocedures - RH Cooling  | BwOP RH-6  | F_  |                                       | 14-15                             | 26                        |                    |
|   |  | RH-1 RHR Cooldowr                                | <u></u>   |                                       | ]                                 | 3                         |                    |
|   |  | [  |   |                                       | ]                                 | ][                        |                    |
|   | ed for Examination   |  |   |                                       |                                   |                           | l                  |
| Question Source   |  | Question Modification                            | Method:   |                                       | Used During                       | Training F                | Program            |
| Question Source   | Comments   | *****  |   |                                       |                                   |                           |                    |
|   |  |  |   |                                       |                                   |                           |                    |
| Comment Type  | Comment  | ningen en senere senere<br>Recent de 2001 genere | No part an Altri anno 1995.<br>Anno 1997 - Anno |                                       |                                   | eviews Con                | îplete             |
| ]   |  |  |   |                                       |                                   | ipervisory<br>cility      |                    |

.

| RO SkyScrap                     | er SRO Skyscraper RO S  | System/Evolution List SRO System   | /Evolution List Outlin   | ne Changes                                 |  | AB   |
|---------------------------------|---|--|--------------------------|--|--|--|
| Question To                     | Dic Loss of Component Coolin  |  |                          |  |  |  |
| The following                   | conditions exist on Unit 1:   |  |                          |  |  |  |
| - 3 minutes<br>Annund<br>Annund | plant shutdown is in progress per<br>RH cooling was placed in service<br>ago the following alarms were re<br>ciator 1-7-E3, "RCP THERM BAR<br>ciator 1-7-E5, "RCP BRNG CC W<br>ciator 1-2-C5, "CC HX OUTLET T                     | ceived:<br>RR CC WTR TEMP HIGH"<br>TR TEMP HIGH"   | Cooldown                 |  |  |  |
|                                 | ng readings exist on all running R  |  |                          |  |  |  |
| Motor b                         | earing temperatures are 165°F   | UP5:   |                          |  |  |  |
| Seal ou                         | adial bearings are 170°F<br>itlet temperatures are 135°F  |  |                          | •  | · · ·                                    |  |
| 1                               | n in response to these conditions   |  |                          |  | а.<br>Алар                               |  |
| - p oracer delle                | in an response to these conditions  | s will be to(1) because _  | (2)                      | 11. A. | a although                               | dan en |
| (1)                             |   |  |                          |  |  |  |
| a. Immedia                      | ately stop all running RCPs   | RCP bearing temperature limits h   | ave heen                 |  |  |  |
|                                 |   | exceeded due to a loss of cooling f  | low                      |  |  |  |
| b. Reduce                       | the RCS cooldown rate   | CCW heat exchanger temperature<br>exceeded design limits allowed for<br>cooldown   | s have<br>RCS            |  | English (1997)<br>Shara Shara Shara Ba   | ·<br>·                                     |
| c. Manuall                      | y actuate SI, enter 1BwEP-0   | A loss of all Component Cooling V  | /ater has                |  |  |  |
|                                 |   | occurred on Unit 1   |                          |  | ئۈرىيە ئىلەر<br>بار بار بار              | Andrea                                     |
| d. Start add                    | ditional CCW pumps  | More flow is required through the C<br>Exchanger to control CCW tempera  | C Heat<br>tures          |  |  | ingeneration (                             |
| iswer b                         | Exam Level S Cogn   | itive Level Comprehension  | acility: Braidwood       | Exar                                       | nDate:                                   | 7/19/02                                    |
| 000026A                         | 204 AA2.04 RO   | /alue: 2.5 SRO Value: 2.9*   | Section: EPE             | RO Group:                                  |  |  |
| stem/Evolutio                   | on Title Loss of Component (  |  |                          | Co Group:                                  | 1 SRO G                                  |  |
| Statement:                      | Ability to determine and interpret  | et the following as they apply to Loss   | of Component Coaling M   | -  |  | 026  |
|                                 | The normal values and upper in  | mits for the temperatures of the comp  | onents cooled by SWS     |  |  | <u> </u>                                   |
| planation of<br>iswers:         | which is may allowed by TG (Da  | peratures are well within limits. Motor<br>DA PRI-6, with CC suction temp and d  | ischarge temps in alarm, | heat exchar                                | nger outlet will be                      | >120°F                                     |
|                                 | met, a total loss of CC is not occ<br>the RCS cooldown - contrary to  | curring, (D) Incorrect - increasing CC   | flow through one heat ex | changer will                               | No St criteria ha<br>I only serve to inc | <del>s been 1</del> 1<br>prease            |
|                                 | Reference Title   | Facility Reference Number  | Reference Section        | Page No                                    |  |  |
| mponent Cool                    | ing Malfunction   | 1BwOA PRI-6  | Main Body                | 6,7  | Revision L.(                             | J. Number                                  |
| nunciator Resp                  | oonse Procedures  | 1-2-C5&D5, 1-2-E3&E5   | Cause, Actions           | 1<br>1                                     |  |  |
| ch Specs                        |   | Basis  | 3.7.7                    | 7-3  |  |  |
| erial Require                   | d for Examination   |  |                          |  | ـــــــــــــــــــــــــــــــــــــ    |  |
| estion Source                   | New [6  | Question Modification Method:  |                          |  |  |  |
| estion Source                   |   | ression mounication method:  |                          | Used Duri                                  | ing Training Pro                         | gram                                       |
|                                 |   | and a stand of the stand of t |                          |  |  |  |
| nment Type                      | Comment   |  |                          |  |  |  |
| 0                               |   | and procedure use. TS temp limits -  |                          |  | Reviews Compl                            | ete  |
|                                 |   |  | sasis Knowledge          |  | Peer                                     |  |
| l                               |   |  |                          |  | Supervisory                              | Ĵ  |
|                                 | {   | ****   | ******                   |  |  |  |
|                                 | 80 - 111 - 111 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112<br>112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 - 112 |  |                          |  | NRC                                      |  |
|                                 |   |  |                          | к  |  | 15   |

|  |  | in 1BwOA PRI-6, "Co<br>ce of annunciators is r   |   | ling Malfunction" due to a  | ling systems are operating nor<br>a slowly lowering level in BOTI  | rmally in auto<br>H halves of th  | matic. Opera<br>le CC surge f  | tors are<br>ank when the   |
|--|--|--|---|---|--|---|--|--|
| - 1-   | 2-E4, "CC \$<br>2-A5, "CC \$<br>2-A4, "CC F  | SURGE TANK AUTO-M<br>SURGE TANK LEVEL<br>PUMP TRIP"  | M/U ON"<br>HIGH LOW <b>"</b>  |   |  |   |  |  |
| - 1-   | 7-A/B/C/D4   | "RCP 1A/B/C/D THE  | RM BARR CC  | WTR FLOW LOW"   |  |   |  |  |
| The N  | NEXT proce   | dure that must be ente   | ered by the op  | erators is(1)   | _because(2)  |   |  | with the set   |
| 1  | _(1)   | -  |   | (2)   |  |   |  | l state se   |
| a.   |  | -5 Component Cooling   |   | -up Auto make-up to<br>has failed and mu  | o the surge tank<br>ist be restored  | · · · · · · · · · · · · · · · · · · ·   |  | ules capa ser<br>class classes   |
| b.   | 1BwOA R  | CP-2 Loss of Seal Coo  | bling   | RCP seal failures<br>due to the loss of<br>cooling  | s are imminent and those the state the state of the state |   | *****  |  |
| c.   | 1BwEP-01   | Reactor Trip or Safety   | Injection   | The reactor must<br>tripped and all RC<br>immediately   | be manually<br>CPs stopped   |   |  |  |
| <u>d</u>   | 1BwCA-0.(  | Loss of All AC Power   | r Unit 1  | All ECCS and saf<br>must be stopped/p   | e shutdown loads<br>prevented from   |   |  | and the second second  |
|  | [  |  |   | starting  | · .  | •   |  |  |
| Answe  | rc   | Exam Level S   | Cognitive   | Application   |  |   |  |  |
|  | ······································   | Exam Level S   |   |   | Facility: Braidwood  |   | mDate:   | 7/19/02  |
| KA: [  | 000026G40  | 4 2.4.4  | RO Value  | : 4.0 SRO Value:  | 4.3 Section: EPE   | RO Group:   |  | 7/19/02<br>O Group: 1  |
| KA:  | 000026G40  | 4 2.4.4<br>Title Loss of Com   | RO Value  | 4.0 SRO Value:  | 4.3 Section: EPE   | RO Group:   | ] <u>1</u> SF  | 0 Group: 1   |
| KA:  | 000026G40<br>h/Evolution   | 4 2.4.4<br>Title Loss of Com   | RO Value  | . 4.0 SRO Value:  | 4.3 Section: EPE   | RO Group:   | ] <u>1</u> SF  | 0 Group: 1   |
| KA: C  | 000026G40<br>h/Evolution<br>tement:  | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro   | RO Value<br>ponent Coolir<br>iormal indicati<br>ccedures.   | ag Water  | 4.3     Section:     EPE       parameters which are entry-learned  | RO Group:   | s for emerge   | O Group: 1<br>026<br>ncy and   |
| KA:  | 1/Evolution<br>tement:<br>4<br>ation of (fr<br>fr  | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro<br>C) Correct - symptoms<br>or the CC malfunction,  | Ponent Coolir<br>ponent Coolir<br>pormal indication<br>pocedures.<br>are of decreation and EP-0 if the  | asing surge tank level and<br>be surge tank decreases f   | 4.3 Section: EPE<br>parameters which are entry-le  | RO Group:   | s for emerge   | O Group: 1<br>026<br>ncy and<br>o enter PRI-6  |
| KA: C<br>System<br>KA Sta  | 000026G40<br>1/Evolution<br>tement:<br>4<br>ation of<br>s:<br>//r  | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro<br>C) Correct - symptoms<br>or the CC malfunction,<br>may be more than auto<br>baking this a low priorit  | RO Value<br>ponent Coolir<br>normal indicati<br>ocedures.<br>are of decrea<br>and EP-0 if th<br>makeup carr<br>ty. (B) Incorre  | asing surge tank level and<br>ne surge tank decreases t   | 4.3     Section:     EPE       parameters which are entry-learned  | RO Group:<br>evel condition<br>s. Operators a<br>d stop all RCF   | s for emerge   | O Group: 1<br>026<br>ncy and<br>o enter PRI-6<br>ect - leakage   |
| KA: C<br>System<br>KA Sta  | 000026G40<br>1/Evolution<br>tement:<br>4<br>ation of<br>(1<br>rs:<br>(1<br>rg  | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro<br>C) Correct - symptoms<br>or the CC malfunction,<br>may be more than auto<br>baking this a low priorit  | Ponent Coolir<br>pormal indicati<br>ocedures.<br>are of decrea<br>and EP-0 if the<br>makeup carrier.<br>(B) Incorres<br>safe shutdown   | 4.0 SRO Value<br>ang Water<br>Sons for system operating<br>asing surge tank level and<br>the surge tank decreases to<br>recover. Condition is unknown<br>act - the loss of thermal back<br>to loads are cooled by SX  | 4.3 Section: EPE<br>parameters which are entry-le<br>to <13% to trip the reactor and<br>nown at this time. Of immediat<br>arrier cooling is not a concern  | RO Group:<br>evel condition<br>s. Operators a<br>d stop all RCP<br>te concern is<br>as long as se                       | s for emerge   | O Group: 1<br>026<br>ncy and<br>o enter PRI-6<br>ect - leakage<br>RCP s,<br>s maintained.  |
| KA: (<br>System<br>KA Sta<br>Expland   | 000026G40<br>v/Evolution<br>tement!<br>ation of<br>s:<br>((<br>(<br>(<br>(<br>(<br>(<br>(<br>(<br>(<br>(<br>(<br>(<br>(  | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro<br>C) Correct - symptoms<br>or the CC malfunction,<br>ay be more than auto<br>paking this a low priorit<br>D) Incorrect - ECCS / s  | RO Value<br>ponent Coolir<br>normal indicati<br>iccedures.<br>are of decrea<br>and EP-0 if th<br>makeup carr<br>ty. (B) Incorre<br>safe shutdown  | 4.0 SRO Value:<br>ng Water<br>tons for system operating<br>asing surge tank level and<br>he surge tank decreases to<br>recover. Condition is units<br>recover. Condition is units   | 4.3       Section:       EPE         parameters which are entry-leaded and the sector and the se  | RO Group:<br>evel condition<br>s. Operators a<br>d stop all RCP<br>te concern is<br>as long as se                       | s for emerge<br>are directed t<br>bs. (A) Incorr<br>toss of CC to<br>al injection is<br><b>Revisio</b>   | O Group: 1<br>026<br>ncy and<br>o enter PRI-6<br>ect - leakage   |
| KA: C  | 000026G40<br>v/Evolution<br>tement!<br>ation of<br>s:<br>((<br>(<br>(<br>(<br>(<br>(<br>(<br>(<br>(<br>(<br>(<br>(<br>(  | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro<br>C) Correct - symptoms<br>or the CC malfunction,<br>may be more than auto<br>making this a low priorit<br>D) Incorrect - ECCS / s<br>ference Title  | Ponent Coolir<br>pormal indicati<br>ocedures.<br>and EP-0 if the<br>makeup carriety. (B) Incorrect<br>and shutdown<br>(B) Incorrect<br>affe shutdown<br>(B) Incorrect<br>affe shutdown<br>(B) Incorrect<br>(B) Incorrect | 4.0 SRO Value:<br>ang Water<br>ang Water<br>sons for system operating<br>asing surge tank level and<br>he surge tank decreases to<br>recover. Condition is unknown<br>bact - the loss of thermal bac<br>hoads are cooled by SX<br>Facility Reference Number<br>Facility Reference Number<br>Facility Reference Number<br>Facility Reference Number<br>Facility Reference Number<br>Facility Reference Number<br>Facility Reference Number<br>State State  | 4.3 Section: EPE<br>parameters which are entry-le<br>to <13% to trip the reactor and<br>nown at this time. Of immediat<br>arrier cooling is not a concern  | RO Group:<br>evel condition<br>s. Operators a<br>d stop all RCP<br>te concern is<br>as long as se                       | s for emerge   | O Group: 1<br>026<br>ncy and<br>o enter PRI-6<br>ect - leakage<br>RCP s,<br>s maintained.  |
| KA: C  | 1/Evolution tement: 4 ation of (fr (fr (fr (fr (fr (fr (fr (fr (fr (f  | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro<br>C) Correct - symptoms<br>or the CC malfunction,<br>may be more than auto<br>making this a low priorit<br>D) Incorrect - ECCS / s<br>ference Title  | Ponent Coolir<br>pormal indicati<br>ocedures.<br>and EP-0 if the<br>makeup carriety. (B) Incorrect<br>and shutdown<br>(B) Incorrect<br>affe shutdown<br>(B) Incorrect<br>affe shutdown<br>(B) Incorrect<br>(B) Incorrect | 4.0 SRO Value:<br>ang Water<br>SRO Value:<br>ang Water<br>sons for system operating<br>asing surge tank level and<br>the surge tank decreases to<br>recover. Condition is unknown<br>bet - the loss of thermal bac<br>loads are cooled by SX<br>Facility Reference Number<br>VOA PRI-6  | 4.3       Section:       EPE         parameters which are entry-leaders       EPE         bloss of all running CC pumps to <13% to trip the reactor and this time. Of immediate arrier cooling is not a concern  | RO Group:<br>evel condition<br>s. Operators a<br>d stop all RCP<br>te concern is<br>as long as se                       | s for emerge<br>are directed t<br>bs. (A) Incorr<br>toss of CC to<br>al injection is<br><b>Revisio</b>   | O Group: 1<br>026<br>ncy and<br>o enter PRI-6<br>ect - leakage<br>RCP s,<br>s maintained.  |
| KA: C  | 1/Evolution tement:  Ation of S:  Re nent Cooling iator Respo  | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro-<br>C) Correct - symptoms<br>or the CC malfunction,<br>hay be more than auto-<br>baking this a low priorition<br>D) Incorrect - ECCS / s<br>ference Title<br>Malfunction<br>hse   | Ponent Coolir<br>pormal indicati<br>ocedures.<br>and EP-0 if the<br>makeup carriety. (B) Incorrect<br>and shutdown<br>(B) Incorrect<br>affe shutdown<br>(B) Incorrect<br>affe shutdown<br>(B) Incorrect<br>(B) Incorrect | 4.0 SRO Value:<br>ang Water<br>SRO Value:<br>ang Water<br>sons for system operating<br>asing surge tank level and<br>the surge tank decreases to<br>recover. Condition is unknown<br>bet - the loss of thermal bac<br>loads are cooled by SX<br>Facility Reference Number<br>VOA PRI-6  | 4.3       Section:       EPE         parameters which are entry-leaders       EPE         bloss of all running CC pumps to <13% to trip the reactor and this time. Of immediate arrier cooling is not a concern  | RO Group:<br>evel condition<br>s. Operators a<br>d stop all RCP<br>te concern is<br>as long as se                       | s for emerge<br>are directed t<br>bs. (A) Incorr<br>toss of CC to<br>al injection is<br><b>Revisio</b>   | O Group: 1<br>026<br>ncy and<br>o enter PRI-6<br>ect - leakage<br>RCP s,<br>s maintained.  |
| KA: C  | 1/Evolution tement:  | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro-<br>C) Correct - symptoms<br>or the CC malfunction,<br>hay be more than autority<br>baking this a low priority<br>D) Incorrect - ECCS / s<br>ference Title<br>Malfunction<br>hse<br>or Examination  | RO Value<br>ponent Coolir<br>normal indicati<br>ocedures.<br>and EP-0 if the<br>makeup carrier<br>(B) Incorrect<br>safe shutdown  | 4.0 SRO Value<br>ang Water<br>SRO Value<br>ang Water<br>SRO Value<br>ang Water<br>SRO Value<br>SRO VA<br>SRO VALUE<br>SRO VALUE<br>SRO VALUE<br>SRO VALUE<br>SRO VALUE<br>SRO VALUE | 4.3       Section:       EPE         parameters which are entry-leaders       EPE         bloss of all running CC pumps to <13% to trip the reactor and nown at this time. Of immediate arrier cooling is not a concern  | RO Group:<br>evel condition<br>s. Operators a<br>d stop all RCF<br>te concern is<br>as long as se<br>Page Ni<br>10<br>1 | s for emerge   | O Group: 1<br>026<br>ncy and<br>D enter PRI-6<br>ect - leakage<br>ROPs,<br>s maintained.<br>1<br>L.O. Number<br>   |
| KA: [<br>System<br>KA Sta<br>Expland<br>Answer<br>Compor<br>Annunci<br>Material<br>Questio | 1 Contract of the second secon | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro-<br>C) Correct - symptoms<br>or the CC malfunction,<br>hay be more than auto<br>c) lncorrect - ECCS / s<br>ference Title<br>Malfunction<br>nse<br>or Examination  | RO Value<br>ponent Coolir<br>normal indicati<br>ocedures.<br>and EP-0 if the<br>makeup carrier<br>(B) Incorrect<br>safe shutdown  | 4.0 SRO Value:<br>ang Water<br>SRO Value:<br>ang Water<br>sons for system operating<br>asing surge tank level and<br>the surge tank decreases to<br>recover. Condition is unknown<br>bet - the loss of thermal bac<br>loads are cooled by SX<br>Facility Reference Number<br>VOA PRI-6  | 4.3       Section:       EPE         parameters which are entry-leaders       EPE         bloss of all running CC pumps to <13% to trip the reactor and nown at this time. Of immediate arrier cooling is not a concern  | RO Group:<br>evel condition<br>s. Operators a<br>d stop all RCF<br>te concern is<br>as long as se<br>Page Ni<br>10<br>1 | s for emerge<br>are directed t<br>bs. (A) Incorr<br>toss of CC to<br>al injection is<br><b>Revisio</b>   | O Group: 1<br>026<br>ncy and<br>D enter PRI-6<br>ect - leakage<br>ROPs,<br>s maintained.<br>1<br>L.O. Number<br>   |
| KA: [<br>System<br>KA Sta<br>Expland<br>Answer<br>Compor<br>Annunci<br>Material<br>Questio | 1/Evolution tement:  | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro-<br>C) Correct - symptoms<br>or the CC malfunction,<br>hay be more than auto<br>c) lncorrect - ECCS / s<br>ference Title<br>Malfunction<br>nse<br>or Examination  | RO Value<br>ponent Coolir<br>normal indicati<br>ocedures.<br>and EP-0 if the<br>makeup carrier<br>(B) Incorrect<br>safe shutdown  | 4.0 SRO Value<br>ang Water<br>SRO Value<br>ang Water<br>SRO Value<br>ang Water<br>SRO Value<br>SRO VA<br>SRO VALUE<br>SRO VALUE<br>SRO VALUE<br>SRO VALUE<br>SRO VALUE<br>SRO VALUE | 4.3       Section:       EPE         parameters which are entry-leaders       EPE         bloss of all running CC pumps to <13% to trip the reactor and nown at this time. Of immediate arrier cooling is not a concern  | RO Group:<br>evel condition<br>s. Operators a<br>d stop all RCF<br>te concern is<br>as long as se<br>Page Ni<br>10<br>1 | s for emerge   | O Group: 1<br>026<br>ncy and<br>D enter PRI-6<br>ect - leakage<br>ROPs,<br>s maintained.<br>1<br>L.O. Number<br>   |
| KA: [<br>System<br>KA Sta<br>Expland<br>Answer<br>Compor<br>Annunci<br>Material<br>Questio | 000026G40<br>i/Evolution<br>tement:<br>4<br>ation of<br>(f<br>r<br>(I<br>r<br>Re<br>nent Cooling<br>lator Respo<br>Required 1<br>n Source:<br>n Source C   | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro-<br>C) Correct - symptoms<br>or the CC malfunction,<br>hay be more than auto<br>c) lncorrect - ECCS / s<br>ference Title<br>Malfunction<br>nse<br>or Examination  | RO Value<br>ponent Coolir<br>normal indicati<br>ocedures.<br>are of decrea<br>and EP-0 if the<br>makeup carr<br>ty. (B) Incorres<br>safe shutdown<br>1Bw<br>Bw/   | A.0] SRO Value:<br>ag Water<br>ag Water<br>asing surge tank level and<br>asing surge tank level and<br>the surge tank decreases to<br>recover. Condition is unknown<br>and the loss of thermal back<br>the loss of thermal back<br>and are cooled by SX<br>Facility Reference Numf<br>vOA PRI-6<br>AR 1-2-A4,A5,E4<br>tion Modification Method  | 4.3       Section:       EPE         parameters which are entry-leader of the sector and the sec  | RO Group:<br>evel condition<br>s. Operators a<br>d stop all RCF<br>te concern is<br>as long as se<br>Page Ni<br>10<br>1 | s for emerge<br>are directed to<br>bas of CC to<br>cal injection is<br><b>0 Revisio</b><br>100<br>100  | O Group: 1 026 026 0concy and 0conter PRI-6 ect - leakage RCP's, maintained. 1 1 2 9 Program   |
| KA: C  | 1/Evolution tement:  | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro-<br>C) Correct - symptoms<br>bror the CC malfunction,<br>have be more than addo<br>be more than ad | RO Value<br>ponent Coolir<br>normal indicati<br>iccedures.<br>are of decrea<br>and EP-0 if the<br>makeup carrity. (B) Incorrec<br>safe shutdown<br>[<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]  | 4.0 SRO Value:<br>ang Water<br>ang Water<br>ang Water<br>sons for system operating<br>asing surge tank level and<br>the surge tank decreases to<br>acc - the loss of thermal back<br>a loads are cooled by SX<br>Facility Reference Number<br>VOA PRI-6<br>AR 1-2-A4,A5,E4<br>Sign Modification Method  | 4.3       Section:       EPE         parameters which are entry-leaded loss of all running CC pumps to <13% to trip the reactor and mown at this time. Of immediation arrier cooling is not a concern arrier cooling is not a concern for a concern arrier cooling is not a concern for a concern arrier cooling is not a concern for a concern arrier cooling is not a concern for a c  | RO Group:<br>evel condition<br>s. Operators a<br>d stop all RCF<br>te concern is<br>as long as se<br>Page Ni<br>10<br>1 | s for emerge<br>are directed to<br>bs. (A) Incorr<br>ioss of CC to<br>al injection is<br>co. Revision<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>10 | O Group: 1 026 026 0concy and 0conter PRI-6 ect - leakage RCP's, maintained. 1 1 2 9 Program   |
| KA: Commer   | 1/Evolution tement:  | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro-<br>C) Correct - symptoms<br>bror the CC malfunction,<br>have be more than addo<br>be more than ad | RO Value<br>ponent Coolir<br>normal indicati<br>iccedures.<br>are of decrea<br>and EP-0 if the<br>makeup carrity. (B) Incorrec<br>safe shutdown<br>[<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]  | A.0] SRO Value:<br>ang Water<br>ang Water<br>ang Water<br>ang Surge tank level and<br>asing surge tank level and<br>the surge tank decreases to<br>recover. Condition is unknown<br>and the loss of thermal back<br>the loss of thermal back<br>and a recooled by SX<br>Facility Reference Numf<br>vOA PRI-6<br>AR 1-2-A4,A5,E4<br>tion Modification Method   | 4.3       Section:       EPE         parameters which are entry-leaded loss of all running CC pumps to <13% to trip the reactor and mown at this time. Of immediation arrier cooling is not a concern arrier cooling is not a concern for a concern arrier cooling is not a concern for a concern arrier cooling is not a concern for a concern arrier cooling is not a concern for a c  | RO Group:<br>evel condition<br>s. Operators a<br>d stop all RCF<br>te concern is<br>as long as se<br>Page Ni<br>10<br>1 | s for emerge<br>are directed to<br>Ps. (A) Incorr<br>loss of CC to<br>al injection is<br>Revision  | O Group: 1 026 026 0concy and 0 enter PRI-6 ect - leakage RCPs, s maintained. 1 0.0.Number 0.0.0.0.0.0.0.0 0 0.0.0.0.0.0 0 0.0.0.0.0 |
| KA: Commer   | 1/Evolution tement:  | 4 2.4.4<br>Title Loss of Com<br>bility to recognize abn<br>bnormal operating pro-<br>C) Correct - symptoms<br>bror the CC malfunction,<br>have be more than addo<br>be more than ad | RO Value<br>ponent Coolir<br>normal indicati<br>iccedures.<br>are of decrea<br>and EP-0 if the<br>makeup carrity. (B) Incorrec<br>safe shutdown<br>[<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]  | 4.0 SRO Value:<br>ang Water<br>ang Water<br>ang Water<br>sons for system operating<br>asing surge tank level and<br>the surge tank decreases to<br>acc - the loss of thermal back<br>a loads are cooled by SX<br>Facility Reference Number<br>VOA PRI-6<br>AR 1-2-A4,A5,E4<br>Sign Modification Method  | 4.3       Section:       EPE         parameters which are entry-leaded loss of all running CC pumps to <13% to trip the reactor and mown at this time. Of immediation arrier cooling is not a concern arrier cooling is not a concern for a concern arrier cooling is not a concern for a concern arrier cooling is not a concern for a concern arrier cooling is not a concern for a c  | RO Group:<br>evel condition<br>s. Operators a<br>d stop all RCF<br>te concern is<br>as long as se<br>Page Ni<br>10<br>1 | s for emerge<br>are directed to<br>bs. (A) Incorr<br>ioss of CC to<br>al injection is<br>c. Revision<br>100  | O Group: 1 026 026 0concy and 0 enter PRI-6 ect - leakage RCPs, s maintained. 1 0.0.Number 0.0.0.0.0.0.0.0 0 0.0.0.0.0.0 0 0.0.0.0.0 |

\_\_\_\_

| If                                    | f the p   | oressurize                                       | r master pr   | essure contro  | oller were                                       | to fail in an "  | AS IS" condition duri  | ng a large, rapi   | d secondary l  | oad rejection   | n, which of  | the following   |
|---------------------------------------|---|--|---|--|--|--|--|--|--|---|--|---|
|                                       | vill oc   | cur natura                                       | Illy in the Pi  | essurizer to   | help limit                                       | the magnitud   | le of the resulting pre  | ssure transient  | on the primar  | ry system?  | -  |   |
| -1                                    |   |  |   |  |  |  |  |  |  |   |  |   |
|                                       |   |  |   |  |  |  |  |  |  |   |  |   |
|                                       |   |  |   |  |  |  |  |  |  |   |  |   |
|                                       | a.  | An insurg<br>in the RC                           | e of cooler   | water compr  | esses the  | e steam space  | e in the Pzr. Steam is   | condensed to   | water helping  | to limit the c  | overall pres   | sure increase   |
|                                       | · 1.  | ······   |   | water heats t  | he Pzr. N  | lore liquid the  | n flashes to steam he  | lping to limit th  | e resulting pr   | essure drop   | in the RCS   | <u></u>   |
| -<br>•5.2                             |   |  |   |  |  | ta - ja -  |  |  |  | <u></u>   |  |   |
|                                       | <b>c</b> .  | An outsur<br>the RCS.                            | ge causes   | the steam sp   | ace to ex  | pand in the F  | zr. This allows some   | liquid to flash t  | o steam and I  | limits the res  | ulting pres  | sure drop in  |
|                                       | d. [  | An outsur  | ge cools th   | e Pzr. This a  | llows som  | ne steam to c  | ondense to water and   | limits the resu  | Iting pressure   | increase in   | the RCS.   |   |
| An                                    | .<br>Iswer  | a  | Exam Le   | vel B  | Cognit   | ive Level  | Application  | Facility: Bra  | aidwood  | Exami   | Date:  | 7/19/02   |
| KA                                    | . [o  | 000027K1   | 03 1  | AK1.03   | ROVa   | alue: 2.6  | SRO Value: 2.9   |  |  | O Group:  |  | O Group:  |
| ¢                                     | مسرو لنشت   |  |   |  |  |  |  |  |  |   |  |   |
| 995                                   | stem  | /Evolutio  | n Title   | Pressurizer P  | ressure (  | Control Malfu  |  |  |  |   |  |   |
| - Milia 24                            |   |  | ······································  |  |  | Control Malfu  | nction   |  |  | r Pressure C  |  | 027   |
| KA                                    | Stat  | ement:   | Knowledge<br>Latent hea   | of the opera<br>t of vaporizat   | ational im<br>tion/conde                         | Control Malfu<br>plications of t<br>ensation   | nction<br>he following concepts  | as they apply  | to Pressurize  | r Pressure C  | Control Malf   | 027   |
| KA                                    | Stat  | ement:   | Knowledge<br>Latent hea<br>(A) Correct<br>raising pre   | of the opera<br>t of vaporizat<br>- load decre<br>ssure slightly   | ational im<br>tion/conde<br>ase caus<br>above sa | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con  | he following concepts  | as they apply<br>heats up and e  | to Pressurized<br>expands. Insuring<br>it the pressure                                   | r Pressure C<br>rge compres   | Control Malf   | iunction:   |
| KA                                    | Stat  | ement:<br>ition of<br>s:                         | Knowledge<br>Latent hea<br>(A) Correct<br>raising pre   | of the opera<br>t of vaporizat<br>- load decre<br>ssure slightly   | ational im<br>tion/conde<br>ase caus<br>above sa | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con  | nction<br>he following concepts  | as they apply<br>heats up and e  | to Pressurized<br>expands. Insuring<br>it the pressure                                   | r Pressure C<br>rge compres   | Control Malf   | iunction:   |
| KA<br>Exp<br>Ans                      | Stat  | ement:<br>ition of<br>s:                         | Knowledge<br>Latent hea<br>(A) Correct<br>raising pre-<br>condenses<br>into pzr.              | of the opera<br>t of vaporizat<br>- load decre<br>ssure slightly<br>with the pre   | ational im<br>tion/conde<br>ase caus<br>above sa | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con<br>s. (C&D) incon                              | he following concepts<br>into the Pzr as RCS<br>densation occurs whith<br>the load reduct                                      | as they apply<br>heats up and e<br>ch tends to lim                     | to Pressurizer<br>expands. Insur<br>it the pressure                                      | r Pressure C<br>rge compres<br>e rise. (B) Ind<br>ved and exp                   | Control Malf<br>sses the Pz<br>correct - ste   | r bubble,<br>eam  |
| KA<br>Exr<br>Ans                      | stat  | ement:<br>ition.of<br>s:<br>R                    | Knowledge<br>Latent hea<br>(A) Correct<br>raising pre-  | of the opera<br>t of vaporizat<br>- load decre<br>ssure slightly<br>with the pre   | ational im<br>tion/conde<br>ase caus<br>above sa | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con<br>s. (C&D) incon                              | nction<br>he following concepts<br>a into the Pzr as RCS<br>densation occurs whi<br>nect - the load reduct<br>Reference Number | as they apply<br>heats up and e<br>ch tends to lim<br>on results in le | to Pressurizer<br>expands. Insuri<br>it the pressure<br>so heat remo<br>Section          | r Pressure C<br>rge compres<br>e rise. (B) Ind<br>ved and exp<br>Page No.       | Control Malf<br>control Malf<br>correct - ste<br>correct - ste<br>correct - ste<br>correct - ste<br>correct - ste<br>correct - ste                                       | 027<br>function:<br>r bubble,<br>eam<br>surge of RCS  |
| KA<br>Exr<br>Ans                      | stat  | ement:<br>ition of<br>s:                         | Knowledge<br>Latent hea<br>(A) Correct<br>raising pre-<br>condenses<br>into pzr.              | of the opera<br>t of vaporizat<br>- load decre<br>ssure slightly<br>with the pre   | ational im<br>tion/conde<br>ase caus<br>above sa | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con<br>s. (C&D) incon                              | nction<br>he following concepts<br>a into the Pzr as RCS<br>densation occurs whi<br>nect - the load reduct<br>Reference Number | as they apply<br>heats up and e<br>ch tends to lim                     | to Pressurizer<br>expands. Insuri<br>it the pressure<br>so heat remo<br>Section          | r Pressure C<br>rge compres<br>e rise. (B) Ind<br>ved and exp                   | Control Malf<br>sses the Pz<br>correct - ste   | r bubble,<br>eam  |
| KA<br>Exr<br>Ans                      | stat  | ement:<br>ition.of<br>s:<br>R                    | Knowledge<br>Latent hea<br>(A) Correct<br>raising pre-<br>condenses<br>into pzr.              | of the opera<br>t of vaporizat<br>- load decre<br>ssure slightly<br>with the pre   | ational im<br>tion/conde<br>ase caus<br>above sa | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con<br>s. (C&D) incon                              | nction<br>he following concepts<br>a into the Pzr as RCS<br>densation occurs whi<br>nect - the load reduct<br>Reference Number | as they apply<br>heats up and e<br>ch tends to lim<br>on results in le | to Pressurizer<br>expands. Insuri<br>it the pressure<br>so heat remo<br>Section          | r Pressure C<br>rge compres<br>e rise. (B) Ind<br>ved and exp<br>Page No.       | Control Malf<br>control Malf<br>correct - ste<br>correct - ste<br>correct - ste<br>correct - ste<br>correct - ste<br>correct - ste                                       | 027<br>function:<br>r bubble,<br>eam<br>surge of RCS  |
| Exr<br>And<br>Pzr                     | v Stat<br>plana<br>swer<br>r Less                     | ement:<br>ation of<br>s:<br>R<br>son Plan        | Knowledge<br>Latent hea<br>(A) Correct<br>raising pre-<br>condenses<br>into pzr.              | of the operation of the | ational im<br>tion/conde<br>ase caus<br>above sa | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con<br>s. (C&D) incon                              | nction<br>he following concepts<br>a into the Pzr as RCS<br>densation occurs whi<br>nect - the load reduct<br>Reference Number | as they apply<br>heats up and e<br>ch tends to lim<br>on results in le | to Pressurizer<br>expands. Insuri<br>it the pressure<br>so heat remo<br>Section          | r Pressure C<br>rge compres<br>e rise. (B) Ind<br>ved and exp<br>Page No.       | Control Malf<br>control Malf<br>correct - ste<br>correct - ste<br>correct - ste<br>correct - ste<br>correct - ste<br>correct - ste                                       | 027<br>function:<br>r bubble,<br>eam<br>surge of RCS  |
| RA<br>Exr<br>Ans<br>Pzr<br>Mat        | r Less  | ement:<br>ation of<br>s:<br>R<br>son Plan        | Knowledge<br>Latent hea<br>(A) Correct<br>raising pre-<br>condenses<br>into pzr.              | of the operation of the | ational implication/conde                        | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con<br>c. (C&D) incon<br>Facility I<br>I1-RY-XL-01 | nction<br>he following concepts<br>a into the Pzr as RCS<br>densation occurs whi<br>nect - the load reduct<br>Reference Number | as they apply<br>heats up and e<br>ch tends to lim<br>on results in le | to Pressurizer expands. Insur it the pressure ss heat remo Section                       | r Pressure C<br>rge compres<br>e rise. (B) Ind<br>ved and exp<br>Page No.<br>61 | Control Malf   | 027       function:       r bubble,       eam       surge of RCS       L.O. Number       29   |
| KA<br>Ans<br>Pzr<br>Mat               | stat<br>plana<br>swer<br>r Less<br>terial             | ement:<br>filon.of<br>s:<br>Required<br>n Source | Knowledge<br>Latent hea<br>(A) Correct<br>raising pre-<br>condenses<br>into pzr.              | of the opera<br>t of vaporizat<br>- load decre<br>ssure slightly<br>with the pre-<br>ittle   | ational implication/conde                        | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con<br>c. (C&D) incon<br>Facility I<br>I1-RY-XL-01 | nction<br>he following concepts<br>a into the Pzr as RCS<br>densation occurs whi<br>meet - the load reduct<br>Reference Number | as they apply<br>heats up and e<br>ch tends to lim<br>on results in le | to Pressurizer expands. Insur it the pressure ss heat remo Section                       | r Pressure C<br>rge compres<br>e rise. (B) Ind<br>ved and exp<br>Page No.<br>61 | Control Malf   | 027<br>function:<br>r bubble,<br>eam<br>surge of RCS  |
| KA<br>Ans<br>Pzr<br>Mat               | stat<br>plana<br>swer<br>r Less<br>terial             | ement:<br>filon.of<br>s:<br>Required<br>n Source | Knowledge<br>Latent hea<br>(A) Correct<br>raising pre-<br>condenses<br>into pzr.<br>eference  | of the opera<br>t of vaporizat<br>- load decre<br>ssure slightly<br>with the pre-<br>ittle   | ational implication/conde                        | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con<br>c. (C&D) incon<br>Facility I<br>I1-RY-XL-01 | nction<br>he following concepts<br>a into the Pzr as RCS<br>densation occurs whi<br>meet - the load reduct<br>Reference Number | as they apply<br>heats up and e<br>ch tends to lim<br>on results in le | to Pressurizer expands. Insur it the pressure ss heat remo Section                       | r Pressure C<br>rge compres<br>e rise. (B) Ind<br>ved and exp<br>Page No.<br>61 | Control Malf   | 027       function:       r bubble,       eam       surge of RCS       L.O. Number       29   |
| KA<br>Exr<br>Ans<br>Pzr<br>Mat<br>Que | • Stat<br>plana<br>swer<br>r Less<br>terial<br>estion | ement:<br>filon.of<br>s:<br>Required<br>n Source | A correct<br>raising pre-<br>condenses<br>into pzr.<br>eference<br>for Exam<br>New<br>Comment | of the opera<br>t of vaporizat<br>- load decre<br>ssure slightly<br>with the pre-<br>ittle   | ational implication/conde                        | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con<br>c. (C&D) incon<br>Facility I<br>I1-RY-XL-01 | Reference Number   | as they apply<br>heats up and e<br>ch tends to lim<br>on results in le | to Pressurizer expands. Insurite expands. Insurite it the pressure ss heat termo Section | r Pressure C<br>rge compres<br>e rise. (B) Ind<br>ved and exp<br>Page No.<br>61 | Control Malf   | 027         function:         r bubble,         sam         surge of RCS         LO. Number         29         29         9         9         9         9         9         9         9         9         9         9         9         9         9         1 |
| KA<br>Exr<br>Ans<br>Pzr<br>Mat<br>Que | • Stat<br>plana<br>swer<br>r Less<br>terial<br>estion | ement:   | A correct<br>raising pre-<br>condenses<br>into pzr.<br>eference<br>for Exam<br>New<br>Comment | ination  | ational implication/conde                        | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con<br>c. (C&D) incon<br>Facility I<br>I1-RY-XL-01 | Reference Number   | as they apply<br>heats up and e<br>ch tends to lim<br>on results in le | to Pressurizer expands. Insurite expands. Insurite it the pressure ss heat termo Section | r Pressure C<br>rge compres<br>e rise. (B) Ind<br>ved and exp<br>Page No:<br>61 | Control Malf<br>sses the Pz<br>correct - ste<br>ansion / int<br>Revision<br>2  | 027         function:         r bubble,         sam         surge of RCS         LO. Number         29         29         9         9         9         9         9         9         9         9         9         9         9         9         9         1 |
| KA<br>Exr<br>Ans<br>Pzr<br>Mat<br>Que | • Stat<br>plana<br>swer<br>r Less<br>terial<br>estion | ement:   | A correct<br>raising pre-<br>condenses<br>into pzr.<br>eference<br>for Exam<br>New<br>Comment | ination  | ational implication/conde                        | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con<br>c. (C&D) incon<br>Facility I<br>I1-RY-XL-01 | Reference Number   | as they apply<br>heats up and e<br>ch tends to lim<br>on results in le | to Pressurizer expands. Insurite expands. Insurite it the pressure ss heat termo Section | r Pressure C<br>rge compres<br>e rise. (B) Ind<br>ved and exp<br>Page No:<br>61 | Control Malf<br>sses the Pz<br>correct - ste<br>ansion / in<br>Revision<br>2<br>2<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9   | 027<br>Unction:<br>r bubble,<br>eam<br>complete<br>Program  |
| KA<br>Exr<br>Ans<br>Pzr<br>Mat<br>Que | • Stat<br>plana<br>swer<br>r Less<br>terial<br>estion | ement:   | A correct<br>raising pre-<br>condenses<br>into pzr.<br>eference<br>for Exam<br>New<br>Comment | ination  | ational implication/conde                        | Control Malfu<br>plications of t<br>ensation<br>es an insurge<br>aturation, con<br>c. (C&D) incon<br>Facility I<br>I1-RY-XL-01 | Reference Number   | as they apply<br>heats up and e<br>ch tends to lim<br>on results in le | to Pressurizer expands. Insurite expands. Insurite it the pressure ss heat termo Section | r Pressure C<br>rge compres<br>e rise. (B) Ind<br>ved and exp<br>Page No.<br>61 | Control Malf<br>sses the Pz<br>correct - ste<br>ransion / ins<br>Revision<br>2<br>1<br>1<br>2<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | O27      Unction:      r bubble, eam     surye of RCS      LO. Number      29      Program      Program      omplete  |

| System/Evolution Title       Fuel Handling Incidents       036         KA Statement:       Ability to determine and interpret the following as they apply to Fuel Handling Incidents:       036         Magnitude of potential radioactive release       Magnitude of potential radioactive release       036         Explanation of Answers:       Per TRM 3.9.d. (Old TS 3.9.7) Crane travel with loads in excess of 2000 lbs is limited to ensure in the event the load is dropped, the activity release will be limited to that contained in a single fuel assembly and possible distortion of or fuel in the racks will not result in a critical ensure.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision L.O. Number         Refueling Operations       TRM       3.9.d       1       1       1         TS (old) Basis       TS 3/4 9-2       Basis       9-2       A25       1       1         Material Required for Examination       Question Modification Method:       Used During Training Program       1       1         Question Source:       New       Question Modification Method:       Used During Training Program       1         Comment Type       Comment       Comment       Reviews Complete       1       1   | T            | SkyScraper    | SRO Skyscra       | harmen harmen harmen                     | tem/Evolution L  | ist SRO :        | System/Ev  | olution List      | Outline      | Changes        |  | Ç.            | 32      |
|---|--------------|---------------|-------------------|--|------------------|------------------|------------|-------------------|--------------|----------------|--|---------------|---------|
| To NOT exceed the lift capacity of the FHB crane     To ensure spent fuel racks are protected from excessive lifting forces     To imit the magnitude of a potential radioactive release     To imit the magnitude of a potential radioactive release     To imit the potential flooding of the spent fuel pool ventilation system     Atsever     C     Feating Exceeding 10     To imit the potential flooding of the spent fuel pool ventilation system     Atsever     C     Feating Exceeding 10     To imit the potential flooding of the spent fuel pool ventilation system     Xex Station 20     AA2.03     RO Yalves     Ro Yalves     AA2.03     RO Yalves     Ro Yalves     AA2.03     RO Yalves     AA2.03     RO Yalves     AA2.03     RO Yalves     AA2.03     RO Yalves     Ro Yalve |              |               | 3 {               |  |                  |                  |            |                   |              |                |  |               |         |
| Explanation of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.9.7) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Travel in the crack will be limited to that contained in a single fuel assembly and possible distortion of or fuel in the racks will not treat in a vinited errory.         Reference Title       Facility Reference Number       Reference Section       Page No;       Revision LO. Number, Reference Section       Page No;       To in the racks will not travely in a vin a single fuel Assembly and possible distortio   | The re       | eason for lir | niting the maxir  | num load to 200                          | 0 lbs. traveling | over the fuel a  | assemblie  | s in the Spent    | Fuel Pool    | l is:          |  |               |         |
| Explanation of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.97) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Answers of Per TRM 3.9.d. (Old TS 3.9.7) Crane travel with loads in excess of 2000 bis is limited to ensure in the event the load is dropped. Travel in the crack will be limited to that contained in a single fuel assembly and possible distortion of or fuel in the racks will not treat in a vinited errory.         Reference Title       Facility Reference Number       Reference Section       Page No;       Revision LO. Number, Reference Section       Page No;       To in the racks will not travely in a vin a single fuel Assembly and possible distortio   | -            |               |                   |  |                  |                  |            |                   |              |                |  |               |         |
| E.       To limit the magnitude of a potential radioactive release         Answer       C       Exam Level       S       Cognitive Level       Memory       Facility:       Braidwood       ExamDate:       7/19/02         KA       D00036A203       AA2.03       RO Value:       3.11       SRO Value:       4.2       Section:       EPE       RO Group:       3       SRO Group:       3         System/Evolution Title       Fuel Handling Incidents       0.36       KA Statement:       Memory       Fuel Handling Incidents:       0.36         KA Statement:       Ability to determine and interpret the following as they apply to Fuel Handling Incidents:       0.36         Magnitude of onential radioactive release       Explanation of Answers:       Per TEM 3.9.4 (Od TS 3.9.7) Grane travel with loads in excess of 2000 lbs is limited to ensure in the event the load is dropped, the activity release will be limited to that contained in a single fuel assembly and possible distortion of or fuel in the racks will not report release         Explanation of Tell       Facility Reference Number       Reference Section       Page No;       Revision       LO. Number         Reference Title       Facility Reference Number       Reference Section       Page No;       Revision       LO. Number         Reference Title       Facility Reference Number       Reference Section       Page       A25  | a.           | To NOT ex     | ceed the lift ca  | pacity of the FHE                        | 3 crane          |                  |            |                   |              | 1. s           |  |               |         |
| Answer     C     Exam Level: S     Cognitive Level     Memory     Facility: Braidwood     ExamDate:     7/19/02     KA: 000036A203     AA2.03     RO Yalue:     3.11     SRO Yalue:     4.2 Section:     EPE     RO Group:     3     SRO     SRO Group:     4.2     Section:     EPE     Ro Group:     3     SRO     SINterlanded anse:     1     SRO     1   | b.           | To ensure     | spent fuel racks  | s are protected fr                       | om excessive     | lifting forces   |            |                   |              | 1 n N          | and the second sec |               |         |
| Answer:       c       Exam Level       S       Cognitive Level       Memory       Facility:       Braidwood       ExamDate:       7/19/02         KA:       000036A203       AA2.03       RO Yalue:       3.1*       SRO Yalue:       4.2       Section:       EPE       RO Group:       3       SRO Group:       3         System/Evolution Title       Fuel Handling Incidents       036         KA:       Statement:       Ability to determine and interpret the following as they apply to Fuel Handling Incidents:       036         Magnitude of potential radioacitive release       Explanation of the activity release will be limited to that contained in a single fuel assembly and possible distortion of or fuel in the racks will not result in a critical ency.         Reference Title       Facility Reference Number       Reference Section       Page No;       Revision L.O. Number         Refueling Operations       TRM       3.9.d       1       1       1         TS (old) Basis       TS 3/4 9-2       Basis       9-2       A25       1         Material Required for Examination   | C,           | To limit the  | magnitude of a    | a potential radioa                       | ictive release   |                  |            |                   |              |                |  |               |         |
| KA       000036A203       AA2.03       RO Yalue:       3.11'       SRO Yalue:       4.2       Section:       EPE       RO Group:       3       SRO Group:       3         System/Evolution Title       Fuel Handling Incidents       036         KA Statement:       Ability to determine and interpret the following as they apply to Fuel Handling Incidents:       036         Magnitude of potential radioactive release       037       038         Explanation of Ariswers:       Per TRM 3.9.d. (Old TS 3.9.7) Crane travel with loads in excess of 2000 lbs is limited to ensure in the event the load is dropped. Ariswers:       the activity release will be limited to that contained in a single fuel assembly and possible distortion of or fuel in the racks will not. Itersett in a vitical error.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision L.O. Number         Refueling Operations       TRM       3.9.d       1       1       1         TS (old) Basis       TS 3/4 9-2       Basis       9-2       A25       2       2         Material Required for Examination       Question Modification Method:       Used During Training Program       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2<   |              |               |                   | ng of the spent f                        | uel pool ventila | ation system     |            |                   |              |                |  |               |         |
| System/Evolution Title       Fuel Handling Incidents       036         KA Statement:       Ability to determine and interpret the following as they apply to Fuel Handling Incidents:       036         Magnitude of potential radioactive release       Explanation of the activity release will be limited to that contained in a single fuel assembly and possible distortion of or fuel in the racks will not result in a critical energy.       Image: Control of the control of   | Answe        | r c           | Exam Level        | S Cognit                                 | ive Level        | Memory           | Fac        | cility: Braid     | wood ,       | Exam           | Date:  | 7             | 7/19/02 |
| KA Statement::       Ability to determine and interpret the following as they apply to Fuel Handling Incidents:       Magnitude of potential radioactive release         Explanation of Answers::       Per TRM 3.9.d. (Old TS 3.9.7) Crane travel with loads in excess of 2000 lbs is limited to ensure in the event the load is dropped. Answers::         Itesuit in a critical energy.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision L.O. Number         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision L.O. Number         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision L.O. Number         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision L.O. Number         Refueling Operations       TRM       3.9.d       1       1   | KA:          | 000036A20     | 3 AA2.0           | 3 <b>RO V</b>                            | alue: 3.1*       | SRO Value:       | 4.2        | Section: E        | PE R         | O Group:       | 3 5  | RO Group:     | 3       |
| Magnitude of potential radioactive release         Explanation of<br>Answers:         Per TRM 3.9.d. (Old TS 3.9.7) Crane travel with loads in excess of 2000 lbs is limited to ensure in the event the load is dropped.  | System       | /Evolution    | Title Fuel H      | landling Inciden                         | ts               |                  |            |                   |              | 3              |  | 03            | 3       |
| Explanation of<br>Answers:       Per TRM 3.9.d. (Old TS 3.9.7) Crane travel with loads in excess of 2000 lbs is limited to ensure in the event the load is dropped.<br>the activity release will be limited to that contained in a single fuel assembly and possible distortion of or fuel in the racks will not<br>result in a viticel energy.         Reference Title       Facility Reference Number       Reference Section       Page No       Revision       L.O. Number         Refueling Operations       TRM       3.9.d       1       1       1         TS (old) Basis       TS 3/4 9-2       Basis       9-2       A25         Material Required for Examination   | KA Stat      |               |                   |  |                  | as they apply to | o Fuel Ha  | ndling Inciden    | ts:          |                |  |               |         |
| Result in a citical array.       Reference Section       Page No.       Revision       LO. Number         Refueling Operations       TRM       3.9.d       1       1       1         TS (old) Basis       TS 3/4 9-2       Basis       9-2       A25       1         Material Required for Examination  | Explana      | ation of P    | er TRM 3.9.d .    | (Old TS 3.9.7) C                         | rane travel wit  | h loads in exce  | ess of 200 | 10 lhs is limiter | to ensure    | a in the even  | t the less   | lic drannad   |         |
| Refueling Operations       TRM       3.9.d       1       1         TS (old) Basis       TS 3/4 9-2       Basis       9-2       A25         Material Required for Examination  | Answer       | 3/ U          | le activity relea | se will be limited                       | to that contair  | ned in a single  | fuel asse  | mbly and poss     | sible distor | tion of or fue | i in the ra  | acks will not |         |
| Refueling Operations       TRM       3.9.d       1       1       1         TS (old) Basis       TS 3/4 9-2       Basis       9-2       A25         Material Required for Examination  |              | Re            | ference Title     |  | Facility R       | eference Num     | ber        | Reference Se      | ction        | Page No        | Poviel   |               |         |
| Material Required for Examination   | Refuelir     | ng Operatio   | ns                | 1  |                  |                  |            |                   |              |                | 1  |               | IIDer   |
| Question Source:       New       Question Modification Method:       Used During Training Program         Question Source Comments  | TS (old)     | ) Basis       |                   | [  | TS 3/4 9-2       |                  | ]          | Basis             |              | 9-2            | A25  |               |         |
| Question Source:       New       Question Modification Method:       Used During Training Program         Question Source Comments  |              |               |                   |  |                  |                  |            |                   |              |                |  |               |         |
| Question Source Comments       Osed Outling Training Program         Comment Type       Comment         SRO       TS Basis         Supervisory       Facility         NRC       Image: Stress of the str  | Materia      | Required      | for Examinatio    | on                                       |                  |                  | ·····      |                   |              | ,              | ,  |               |         |
| Question Source Comments         Comment Type       Comment         SRO       TS Basis         Supervisory       Facility         NRC       Image: Comment  | Questio      | n Source:     | New               | <br>  Q                                  | uestion Modif    | ication Metho    | d:         |                   | 1            | Used Durir     | na Traini  | na Program    | <br>M   |
| SRO       TS Basis       Peer   | Questio      | n Source C    | comments          |  |                  |                  | <u> </u>   |                   | l            |                |  |               |         |
|   | Comme<br>SRO |               |                   | an a |                  |                  |            |                   | and Sec.     |                | Peer   |               |         |
|   |              |               |                   |  |                  |                  |            |                   |              |                |  |               |         |

| Whie                                   | ch of the fol  |              | handling Incid  |                          | nterlock desig                | ned to prever                     | f crushing :               | a fuel assemb                     | von on od   |                  |                              | ······                                   |            |
|--|--|--------------|-----------------|--------------------------|-------------------------------|-----------------------------------|----------------------------|-----------------------------------|-------------|------------------|------------------------------|--|------------|
|  |  |              |                 |                          |                               | pieres pieres                     | cordoning (                |                                   | y on an ad  | acent assen      | ibly or com                  | ponent?                                  |            |
| ****                                   |  |              |                 |                          |                               |                                   |                            |                                   |             |                  |                              |  |            |
|  |  |              |                 |                          |                               |                                   |                            |                                   |             |                  |                              |  |            |
|  |  |              |                 |                          |                               |                                   |                            |                                   |             |                  |                              |  |            |
|  |  |              |                 |                          |                               |                                   |                            |                                   |             |                  |                              |  |            |
|  |  |              |                 |                          |                               |                                   |                            |                                   |             |                  |                              |  |            |
| a.                                     | Gripper w  | vill not ope | n when clos     | ed unless                | s it senses <5                | 00 lbs                            |                            | t                                 | e i standaj | na comostr       |                              |  |            |
| b                                      |  | drivo: brio  |                 |                          |                               |                                   | ·                          |                                   |             |                  |                              | •  |            |
|  |  | arive, oria  | ige, trolley, o | r hoist, is              | operable at a                 | any one time                      | 11 Jan -                   | eren (1975-1811)                  | 御礼 化过度      | engtingen bitter | n ory dike                   | a an | e se fo    |
| <b>c</b> .                             | Hoist mot  | ion will sto | op in the up c  | lirection i              | f weight on th                | e hoist is 150                    | 0 lhs                      |                                   |             |                  |                              |  |            |
|  |  |              |                 |                          |                               |                                   |                            |                                   |             | Q NJCH PROMINER  |                              | ন উল্লেখ্য হলজা                          | Cashi<br>A |
| d.                                     | A hoist slo  | ow zone e    | xists over the  | ; full rang              | e of lowering                 | a fuel assem                      | bly into the               | core di tangan                    |             | -                |                              | · · · · ; {(3; )                         |            |
| Answe                                  | er b   | Exam Lo      | evel R          |                          | itive Level                   |                                   |                            |                                   |             |                  |                              |  |            |
|  |  |              |                 |                          |                               | Memory                            |                            | acility: Brai                     | dwood       | Exam             | Date:                        | 7/1                                      | 9/02       |
| •••••••••••••••••••••••••••••••••••••• | 000036K30  |              | AK3.02          |                          | Value: 2.9                    | SRO Valu                          | <b>e:</b> 3.6              | Section:                          | EPE F       | RO Group:        | 3 <b>S</b> F                 | RO Group:                                | 3          |
|  | m/Evolutio   | ······       | Fuel Handlir    |                          |                               | n series                          |                            |                                   | 182 ° 41    |                  | e                            | 036                                      |            |
| KA Sta                                 | atement:   | Knowledg     | e of the reas   | ons for th               | ne following r                | esponses as t                     | hey apply t                | o Fuel Handlir                    | g Incidents | s: <u> </u>      | Die Magnuerie I.             |  |            |
| Exolan                                 |  |              |                 | manueri                  | anunng equi                   | pment                             |                            |                                   |             | en a starre a    | the second of the            |  |            |
| Answe                                  | rs:  | >2700 lbs    | (D) Incorrect   | xill not of<br>t - there | pen when clo<br>are 2 slow zo | sed until it se<br>nes, at +/- 10 | nses <1200<br>" top and he | ) Ibs (B) Corre<br>ottom. None ir | ct, per LP  | (C) Incorrec     | t - weight r                 | estriction is                            | Ī          |
|  | the second s |              |                 |                          |                               |                                   |                            |                                   |             |                  | (18) (#17)(351)<br>(19) (19) |  |            |
| Fuel Ha                                |  | eference     |                 |                          |                               | Reference N                       | umber                      | Reference S                       | ection      | Page No.         | Revisio                      | n L.O. Numb                              | ber        |
|  | anomy  |              |                 | <u> </u>                 | 11-FH-XL-0                    | 1                                 |                            | 11                                |             | 20-22            | 52                           | 6  |            |
|  |  |              |                 |                          | <u> </u>                      |                                   |                            |                                   |             | <u> </u>         | Ī                            |  |            |
|  |  |              |                 |                          |                               |                                   | ]                          |                                   |             | Ī [              | Ī [                          |  |            |
| Materia                                | I Required   | for Exam     | nination        | <u> </u>                 |                               |                                   |                            |                                   |             |                  |                              |  |            |
| Questic                                | on Source:   | New          |                 | 3                        | Question Mo                   | dification Me                     | thod:                      |                                   |             | Lised Duri       | a Trainle                    | g Program                                |            |
| Questio                                | on Source (  | Comment      | s               |                          |                               |                                   | J                          |                                   |             | osed Durn        |                              | g Program                                | ·i         |
|  |  |              |                 | *****                    |                               |                                   |                            |                                   |             |                  |                              |  |            |
| Comme                                  | ent Type   | Commen       | it              |                          |                               |                                   |                            |                                   |             | Τ                |                              | I  |            |
| La caracterio                          | <u></u>  |              |                 |                          |                               |                                   | <u> </u>                   |                                   |             |                  | Reviews C                    | omplete                                  |            |
|  |  |              | *******         |                          |                               |                                   |                            |                                   |             |                  | Peer                         |  |            |
|  |  |              |                 |                          |                               |                                   |                            |                                   |             |                  | Superviso                    |  |            |
|  |  |              |                 |                          |                               |                                   |                            |                                   |             |                  |                              |  |            |
|  |  |              |                 |                          |                               |                                   |                            |                                   |             |                  | acility                      |  |            |

| <u> </u>                     | - 10<br>- Sr<br>- A :                                       | shutdown ha  | ower<br>enerator Tu<br>s been orde<br>were to trij   | ube Leak ({<br>ered to repa<br>p, what is t   | 5 gpd) on<br>air the lea  |   | nerator<br>vel that the turbine   | could trip from a  | that would res  | sult in the lea                    | ast amount                 | t of direct           |                      |
|------------------------------|---|--|--|---|---|---|---|--|---|------------------------------------|----------------------------|-----------------------|----------------------|
|                              | a.  | 40%  |  |   |   | Contraction and a   | an an an the state of the   |  | ··· ··  | nesti ki w                         | Server date                | Anal Marine           | ·                    |
| n n<br>Nga<br>Katalon<br>Nga | <b>b.</b> ]   | 60%  | a ay is poor sings   | t întra în  |   | a (Production)  | esta se a su a  | €a <del>n</del> te <sub>st</sub> er + €                                | a a constanta da para   | ne wysię na głę                    | a de sa vertita            | an<br>Ang Maratase ya |                      |
| 9.53                         | с.  | 80%  | ्री क्षेत्र दि ्षत्र स्थ   | nu relado sul   | leg jeanet  | Neutropa de totas   | na ann an shear an sao an a'  | an Andre I e dage to in  |   | NA REALEMAN                        |                            | e des la sectores.    | <u></u><br>7.55% *56 |
|                              | d.  | 100%   |  |   | s   |   |   |  |   | angen te                           |                            |                       | l                    |
| Į                            | Answe   | r a l  | xam Level  | В   | Cogniti   | ve Level  | Memory  | Facility: Bra  | aidwood   | Exam                               | Date:                      | 7                     | //19/021             |
| 6                            | KA:   | 000037K309   |  |   | r   | ,   |   |  |   |                                    |                            |                       |                      |
|                              |   | 00000776309  | AK   | 3.09  | RO Va   | lue: 2.7*   | SRO Value: 3  | 1 Section:   | IEPE R  | U Group                            | 1 21 ISR                   | ( I Lizzana)          | 1 .71                |
|                              | ······································                      | 1/Evolution  | ·······  | am Gener  | 6 <u></u>   |   | SRO Value: 3  | 1 Section:   | EPE R   | O Group:                           | {                          | 80 Group:             | 2                    |
|                              | System  | 1/Evolution  | itle Ste   | am Gener<br>f the reaso   | ator Tube   | Leak<br>following resp  |   |  |   | 2 A                                |                            | 037<br>14 pm 12n gras | <br>                 |
|                              | System<br>KA Sta  | tement: King   | itle Ste<br>owledge of<br>aximum loa<br>Correct. St  | eam Gener<br>f the reaso<br>d change o<br>eam dump                                  | ator Tube<br>ns for the<br>capability<br>is will abs              | following resp<br>of facility   | oonses as they app  | ly to Steam Ger  | nerator Tube I  | Leak:                              |                            |                       |                      |
|                              | System<br>KA Sta<br>Explana                                 | tement: K<br>M<br>ation of A<br>rs: by   | itle Ste<br>owledge of<br>aximum loa<br>Correct. St  | eam Gener<br>f the reaso<br>d change o<br>eam dump<br>0 + 40 = 5                    | ator Tube<br>ns for the<br>capability<br>s will abs<br>0) but tha | following resp<br>of facility<br>orb a 40% loa<br>t is not a distra                                 | ponses as they app  | ly to Steam Ger<br>s esentially the<br>her will result in              | nerator Tube I<br>situation in qu<br>opening of th            | Leak:<br>Jestion. 10%<br>e SG PORV | more can                   | 037<br>be absrobe     | ed                   |
|                              | System<br>KA Sta<br>Explan:<br>Answer                       | tement: K<br>M<br>ation of A<br>rs: by   | itle Ste<br>owledge of<br>aximum loa<br>Correct. St<br>the rods (1<br>erence Titl                        | eam Gener<br>f the reaso<br>d change o<br>eam dump<br>0 + 40 = 5                    | ator Tube<br>ns for the<br>capability<br>s will abs<br>0) but tha | following resp<br>of facility<br>orb a 40% loa<br>t is not a distra                                 | d rejection, which<br>actor. Anything hig   | ly to Steam Ger<br>s esentially the<br>her will result in              | nerator Tube I<br>situation in qu<br>opening of th            | Leak:                              | more can                   | n L.O. Nur            | ed                   |
|                              | System<br>KA Sta<br>Explan:<br>Answer                       | n/Evolution<br>tement: K<br>M<br>ation of A<br>s: by<br>Ref                        | itle Ste<br>owledge of<br>aximum loa<br>Correct. St<br>the rods (1<br>erence Titl                        | eam Gener<br>f the reaso<br>d change o<br>eam dump<br>0 + 40 = 5                    | ator Tube<br>ns for the<br>capability<br>s will abs<br>0) but tha | following resp<br>of facility<br>orb a 40% loa<br>t is not a distra<br>Facility Re                  | d rejection, which<br>actor. Anything hig   | ly to Steam Ger<br>s esentially the<br>her will result in<br>Reference | nerator Tube I<br>situation in qu<br>opening of th            | Leak:<br>Jestion. 10%<br>e SG PORV | more can<br>'s.<br>Revisio | n L.O. Nur            | ed                   |
|                              | System<br>KA Sta<br>Explan:<br>Answer                       | n/Evolution<br>tement: K<br>M<br>ation of A<br>s: by<br>Ref                        | itle Ste<br>owledge of<br>aximum loa<br>Correct. St<br>the rods (1<br>erence Titl                        | eam Gener<br>f the reaso<br>d change o<br>eam dump<br>0 + 40 = 5                    | ator Tube<br>ns for the<br>capability<br>s will abs<br>0) but tha | following resp<br>of facility<br>orb a 40% loa<br>t is not a distra<br>Facility Re                  | d rejection, which<br>actor. Anything hig   | ly to Steam Ger<br>s esentially the<br>her will result in<br>Reference | nerator Tube I<br>situation in qu<br>opening of th            | Leak:<br>Jestion. 10%<br>e SG PORV | more can<br>'s.<br>Revisio | n L.O. Nur            | ed                   |
|                              | System<br>KA Sta<br>Explana<br>Answer<br>Horse N            | n/Evolution<br>tement: K<br>M<br>ation of A<br>s: by<br>Ref                        | itle Ste<br>owledge of<br>aximum loa<br>Correct. St<br>the rods (1<br>erence Titl<br>Dumps               | eam Gener<br>f the reaso<br>d change of<br>eam dump<br>0 + 40 = 5                   | ator Tube<br>ns for the<br>capability<br>s will abs<br>0) but tha | following resp<br>of facility<br>orb a 40% loa<br>t is not a distra<br>Facility Re                  | d rejection, which<br>actor. Anything hig   | ly to Steam Ger<br>s esentially the<br>her will result in<br>Reference | nerator Tube I<br>situation in qu<br>opening of th            | Leak:<br>Jestion. 10%<br>e SG PORV | more can<br>'s.<br>Revisio | n L.O. Nur            | ed                   |
|                              | System<br>KA Sta<br>Explan<br>Answer<br>Horse N             | n/Evolution<br>tement: K<br>M<br>ation of A<br>rs: b<br>b<br>Ref<br>Notes - Stear  | itle Ste<br>owledge of<br>aximum loa<br>Correct. St<br>the rods (1<br>Dumps<br>or Examina                | eam Gener<br>f the reaso<br>d change of<br>eam dump<br>0 + 40 = 5<br>e              | ator Tube   | following resp<br>of facility<br>orb a 40% loa<br>t is not a distra<br>Facility Re<br>MS-4 Main Ste | d rejection, which<br>actor. Anything hig   | ly to Steam Ger<br>s esentially the<br>her will result in<br>Reference | nerator Tube I<br>situation in qu<br>opening of th<br>Section | Leak:<br>Lestion. 10%<br>e SG PORV | more can<br>S              | 037                   | ed                   |
|                              | System<br>KA Sta<br>Expland<br>Answer<br>Horse N<br>Materia | I/Evolution<br>tement: K<br>M<br>ation of A<br>rs: A<br>by<br>Ret<br>Notes - Stear | itle Ste<br>owledge of<br>aximum loa<br>Correct. St<br>the rods (1<br>erence Titl<br>Dumps<br>or Examina | eam Gener<br>f the reaso<br>d change o<br>eam dump<br>0 + 40 = 5<br>e<br>e<br>ttion | ator Tube   | following resp<br>of facility<br>orb a 40% loa<br>t is not a distra<br>Facility Re<br>MS-4 Main Ste | oonses as they app<br>d rejection, which<br>actor. Anything hig<br>eference Number<br>eam Dumps | ly to Steam Ger<br>s esentially the<br>her will result in<br>Reference | nerator Tube I<br>situation in qu<br>opening of th<br>Section | Leak:<br>Jestion. 10%<br>e SG PORV | more can<br>S              | 037                   | ed                   |

|   |  |  | Rupture (SGTR)  |   |  |  |   |  |   |   |
|---|--|--|---|---|--|--|---|--|---|---|
| Safety Injec  | in progress on<br>the ruptured S<br>ction flow is no<br>essfully stopped   | longer required, th  | ntrol room operal<br>nd they cooldow<br>e operators are o   | tors are performing<br>n and depressurize<br>directed to stop all l   | 1BwEP-3, "Stean<br>the RCS. When o<br>but one CV pump                                      | n Generator T<br>conditions ha<br>and both SI p  | Tube Rupture<br>ve been esta<br>pumps. 1B C   | e". The op<br>blished ti<br>V Pump a   | perators ide<br>hat indicate<br>and 1A SI P                         | ntify<br>ump  |
| When stopp<br>pressure w  | ping the 1B SI I<br>ent unnoticed b  | Pump, the control s<br>by the operator. Wh   | switch indicated a<br>nat effect will this  | a GREEN (after trip<br>have on continued  | ) target, but positi<br>operations if the  | ive indication:<br>status of the   | s of pump am<br>SI pump rem   | nps and d<br>ains und  | lischarge<br>etected?   |   |
|   |  |  |   |   |  |  |   |  |   |   |
| a. The  | ruptured S/G w   | ill eventually fill wi   | h water, and the  | atmospheric relief  | valve will lift.   | n Historia (2014)  | i Makat Adama   | dy de s  |   |   |
| b. The F  | RCS will quickly   | y repressurize and   | experience an o   | verpressure transie   | ent. Here a state ada  | i Andreach a'  | na na ma  | n an stad  | een block kom   | iesster.  |
| c. Exce   | ssive cooldowr   | of the RCS will or   | ccur, possibly ca   | using a PTS conce   | m in the RCS. Cap  | alter Specification  | e i porte de la composition de la comp                |  | i fill the set  | an a  |
| d. Dama   | age to the SI pu   | Imp will occur due   | to overheating fr   | rom insufficient flow   | through the pum  | p  |   |  | 1.1.2   |   |
| Answer a  | Exam Le  | vel B Co   | gnitive Level   | Comprehension   | Facility: Bra  | aidwood  | Exam[   |  |   |   |
| KA: 00003   | 8A124  | EA1.24   | O Value: 3.6*   | 7   | 3.4 Section:   |  | O Group:  |  |   | 7/19/02   |
| System/Evol   | ution Title  | Steam Generator  |   | ////////_   |  |  |   | the second second  | RO Group:   | 2   |
|   |  | olean Generalui  | Tube Rupture  |   |  | 1.1. A. 2.1.   | en la sur en  |  | 100   | •   |
| KA Statemer   | it: Ability to o   | perate and / or mo   | nitor the followin  | g as they apply to s  | Steam Generator  |  |   |  | 03  | 8   |
| Transfer to the second  | nt: Ability to o<br>Safety inje  | perate and / or mo<br>ction pump amme  | nitor the followin<br>ter and indicators  |   |  | Tube Rupture   | e:  |  | 35.7727 t. 1  |   |
| KA Statemer   | nt: Ability to o<br>Safety inje  | perate and / or mo<br>ction pump amme<br>t - per the reference   | nitor the followin<br>ter and indicators  | s<br>milist be terminated   |  | Tube Rupture   | 9:  |  | 35.5757   | -   |
| Explanation   | nt: Ability to o<br>Safety inje  | perate and / or mo<br>ction pump amme<br>t - per the reference<br>with only 1 SI-pum   | nitor the followin<br>ter and indicators<br>te document, SI r<br>the repressuriz  | s<br>must be terminated<br>zation would be slo  | when conditions<br>w, and only reach   | Tube Rupture<br>are reached i<br>the shutoff h   | n order to pre<br>ead of the SI   | event SG<br>pump w   | overfill. (B  | ) - <u>Arte</u> ria<br>10 Janeira   |
| Explanation   | nt: Ability to o<br>Safety inje  | perate and / or mo<br>ction pump amme<br>t - per the reference<br>with only 1 SI-pum<br><del>neonect - PTS is n</del><br>n is set by the oper                            | nitor the followin<br>ter and indicators<br>te document, SI r<br>the repressuriz  | s<br>milist be terminated   | when conditions<br>w, and only reach   | Tube Rupture<br>are reached i<br>the shutoff h   | n order to pre<br>ead of the SI   | event SG<br>pump w   | overfill. (B  | ) - <u>Arte</u> ria<br>10 Janeira   |
| Explanation<br>Answers:   | of<br>(A) Correct<br>Incorrect -<br>psig. (C) H<br>termination<br>open to the  | perate and / or mo<br>ction pump amme<br>t - per the reference<br>with only 1 SI pur<br>moment - PTS is n<br>h is set by the oper<br>RWST.                               | nitor the followin<br>ter and indicators<br>te document, SI r<br>of a credible con<br>ators use of stea   | s<br>must be terminated<br>zation would be slo<br>icem with all RCPs<br>im release and not                    | when conditions<br>w, and only reach<br>running. The and<br>dependent on SI                | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc            | e:<br>n order to pre<br>ead of the SI<br>coldown at th<br>prrect - SI pur   | event SG<br>pump w<br>he time o<br>mps have  | overfill. (B  | ) - <u>Arte</u> ria<br>10 Janeira   |
| Explanation Answers:  | Ability to o<br>Safety inje<br>(A) Correct<br>Incorrect -<br>psig. (C) H<br>termination<br>open to the<br>Reference  | perate and / or mo<br>ction pump amme<br>t - per the reference<br>with only 1 SI pum<br>inconnect - PTS is m<br>is set by the oper<br>e RWST.                            | nitor the followin<br>ter and indicators<br>te document, SI r<br>ip the repressuriz<br>of a credible con<br>ators use of stea                         | s<br>must be terminated<br>zation would be slo  | when conditions<br>w, and only reach<br>romning. The amo<br>dependent on SI                | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc            | e:<br>n order to pre<br>ead of the SI<br>coldown at th<br>prrect - SI pur   | event SG<br>pump wi<br>he time o<br>mps have   | overfill. (B  | )<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>() |
| Explanation Answers:  | of<br>(A) Correct<br>Incorrect -<br>psig. (C) H<br>termination<br>open to the  | perate and / or mo<br>ction pump amme<br>t - per the reference<br>with only 1 SI pum<br>inconnect - PTS is m<br>is set by the oper<br>e RWST.                            | nitor the followin<br>ter and indicators<br>te document, SI r<br>of a credible con<br>ators use of stea   | s<br>must be terminated<br>zation would be slo<br>icem with all RCPs<br>im release and not                    | when conditions<br>w, and only reach<br>running. The and<br>dependent on SI                | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc            | e:<br>n order to pre<br>ead of the SI<br>coldown at th<br>prrect - SI pur   | event SG<br>pump wi<br>he time o<br>mps have   | overfill. (B<br>hich is ~150<br>f 31<br>precirc lines               | )<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>() |
| Explanation Answers:  | Ability to o<br>Safety inje<br>(A) Correct<br>Incorrect -<br>psig. (C) H<br>termination<br>open to the<br>Reference  | perate and / or mo<br>ction pump amme<br>t - per the reference<br>with only 1 SI pum<br>inconnect - PTS is m<br>is set by the oper<br>e RWST.                            | nitor the followin<br>ter and indicators<br>te document, SI r<br>ip the repressuriz<br>of a credible con<br>ators use of stea                         | s<br>must be terminated<br>zation would be slo<br>icem with all RCPs<br>im release and not                    | when conditions<br>w, and only reach<br>running. The and<br>dependent on SI                | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc            | e:<br>n order to pre<br>ead of the SI<br>coldown at th<br>prrect - SI pur   | event SG<br>pump wi<br>he time o<br>mps have   | overfill. (B<br>hich is ~150<br>f 31<br>precirc lines               | )<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>() |
| Explanation Answers:  | Ability to o<br>Safety inje<br>(A) Correct<br>Incorrect -<br>psig. (C) I<br>termination<br>open to the<br>Reference  | perate and / or mo<br>ection pump amme<br>t - per the reference<br>with only 1 SI pum<br>here - PTS is m<br>h is set by the oper<br>e RWST.<br>Fitte                     | nitor the followin<br>ter and indicators<br>te document, SI r<br>ip the repressuriz<br>of a credible con<br>ators use of stea                         | s<br>must be terminated<br>zation would be slo<br>icem with all RCPs<br>im release and not                    | when conditions<br>w, and only reach<br>running. The and<br>dependent on SI                | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc            | e:<br>n order to pre<br>ead of the SI<br>coldown at th<br>prrect - SI pur   | event SG<br>pump wi<br>he time o<br>mps have   | overfill. (B<br>hich is ~150<br>f 31<br>precirc lines               | )<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>() |
| Explanation Answers:  | ht: Ability to o<br>Safety inje<br>of (A) Correc<br>Incorrect -<br>psig. (C) H<br>termination<br>open to the<br>Reference<br>bund document                                     | perate and / or mo<br>ction pump amme<br>t - per the reference<br>with only 1 SI pum<br>incorrect - PTS is in<br>h is set by the oper<br>PRWST.<br>Fittle                | nitor the followin<br>ter and indicators<br>te document, SI r<br>p the repressuriz<br>ot a credible con<br>ators use of stea<br>Facility I<br>1BwEP-3 | s<br>must be terminated<br>zation would be slo<br>icen with all RCPs<br>im release and not<br>Reference Numbe | when conditions<br>w, and only reach<br>running. The and<br>dependent on SI                | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc            | e:<br>n order to pre<br>ead of the SI<br>coldown at th<br>prrect - SI pur   | event SG<br>pump wi<br>he time o<br>mps have   | overfill. (B<br>hich is ~150<br>f 31<br>precirc lines               | )<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>() |
| Explanation<br>Answers:<br>WOG backgro<br>Material Requ<br>Question Sou                 | ht: Ability to o<br>Safety inje<br>of (A) Correct<br>Incorrect -<br>psig. (C) f<br>termination<br>open to the<br>Reference<br>bund document<br>uired for Exam                  | perate and / or mo<br>oction pump amme<br>t - per the reference<br>with only 1 SI-pum<br>incorrect - PTS is in<br>is set by the oper<br>e RWST.<br>Fitle<br>s<br>ination | nitor the followin<br>ter and indicators<br>te document, SI r<br>p the repressuriz<br>ot a credible con<br>ators use of stea<br>Facility I<br>1BwEP-3 | s<br>must be terminated<br>zation would be slo<br>icem with all RCPs<br>im release and not                    | when conditions<br>w, and only reach<br>running. The and<br>dependent on SI                | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc<br>Section | e:<br>n order to pre<br>ead of the SI<br>coldown at th<br>prrect - SI pur   | event SG<br>pump w<br>he time o<br>mps have  | overfill. (B<br>hich is ~150<br>f St<br>e recirc lines<br>in LO. Nu | )<br>10.<br>mber  |
| Explanation<br>Answers:<br>WOG backgro<br>Material Requ<br>Question Sou                 | ht: Ability to o<br>Safety inje<br>of (A) Correc<br>Incorrect -<br>psig. (C) H<br>termination<br>open to the<br>Reference<br>bund document                                     | perate and / or mo<br>oction pump amme<br>t - per the reference<br>with only 1 SI-pum<br>incorrect - PTS is in<br>is set by the oper<br>e RWST.<br>Fitle<br>s<br>ination | nitor the followin<br>ter and indicators<br>te document, SI r<br>p the repressuriz<br>ot a credible con<br>ators use of stea<br>Facility I<br>1BwEP-3 | s<br>must be terminated<br>zation would be slo<br>icen with all RCPs<br>im release and not<br>Reference Numbe | when conditions<br>w, and only reach<br>remning. The and<br>dependent on SI t<br>Reference | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc<br>Section | n order to preead of the SI<br>coldown at the SI<br>coldown at the SI<br>prrect - SI pur<br>Page No.                          | event SG<br>pump w<br>he time o<br>mps have  | overfill. (B<br>hich is ~150<br>f St<br>e recirc lines<br>in LO. Nu | )<br>10.<br>mber  |
| Explanation<br>Answers:<br>WOG backgro<br>Material Requ<br>Question Sou<br>Question Sou | it: Ability to o<br>Safety inje<br>of (A) Correct<br>Incorrect -<br>psig. (C) f<br>termination<br>open to the<br>Reference<br>ound document<br>irree for Exam                  | perate and / or mo<br>ction pump amme<br>t - per the reference<br>with only 1 SI pur<br>moment - TTS is m<br>h is set by the oper<br>e RWST.<br>Fittle<br>s<br>ination   | nitor the followin<br>ter and indicators<br>te document, SI r<br>p the repressuriz<br>ot a credible con<br>ators use of stea<br>Facility I<br>1BwEP-3 | s<br>must be terminated<br>zation would be slo<br>icen with all RCPs<br>im release and not<br>Reference Numbe | when conditions<br>w, and only reach<br>remning. The and<br>dependent on SI t<br>Reference | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc<br>Section | n order to preead of the SI<br>coldown at the SI<br>coldown at the SI<br>prrect - SI pur<br>Page No.                          | event SG<br>pump w<br>he time o<br>mps have  | overfill. (B<br>hich is ~150<br>f St<br>e recirc lines<br>in LO. Nu | )<br>10.<br>mber  |
| Explanation<br>Answers:<br>WOG backgro<br>Material Requ<br>Question Sou                 | Ability to o<br>Safety inje<br>of<br>(A) Correct<br>Incorrect -<br>psig. (C) f<br>termination<br>open to the<br>Reference<br>ound document<br>uired for Exam<br>uiree: Facilit | perate and / or mo<br>ction pump amme<br>t - per the reference<br>with only 1 SI pur<br>moment - TTS is m<br>h is set by the oper<br>e RWST.<br>Fittle<br>s<br>ination   | nitor the followin<br>ter and indicators<br>te document, SI r<br>p the repressuriz<br>ot a credible con<br>ators use of stea<br>Facility I<br>1BwEP-3 | s<br>must be terminated<br>zation would be slo<br>icen with all RCPs<br>im release and not<br>Reference Numbe | when conditions<br>w, and only reach<br>remning. The and<br>dependent on SI t<br>Reference | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc<br>Section | e:<br>n order to preed of the SI<br>coldown at the<br>prrect - SI pur<br>Page No.   | event SG<br>pump w<br>he time o<br>mps have<br><b>Revisic</b><br>g Trainir               | overfill. (B<br>hich is ~150<br>f St<br>e recirc lines<br>in LO. Nu | )<br>10.<br>mber  |
| Explanation<br>Answers:<br>WOG backgro<br>Material Requ<br>Question Sou<br>Question Sou | it: Ability to o<br>Safety inje<br>of (A) Correct<br>Incorrect -<br>psig. (C) f<br>termination<br>open to the<br>Reference<br>ound document<br>irree for Exam                  | perate and / or mo<br>ction pump amme<br>t - per the reference<br>with only 1 SI pur<br>moment - TTS is m<br>h is set by the oper<br>e RWST.<br>Fittle<br>s<br>ination   | nitor the followin<br>ter and indicators<br>te document, SI r<br>p the repressuriz<br>ot a credible con<br>ators use of stea<br>Facility I<br>1BwEP-3 | s<br>must be terminated<br>zation would be slo<br>icen with all RCPs<br>im release and not<br>Reference Numbe | when conditions<br>w, and only reach<br>remning. The and<br>dependent on SI t<br>Reference | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc<br>Section | e:<br>n order to pre<br>ead of the SI<br>soldown at it<br>prrect - SI pur<br>Page No.<br>Used Durin                           | event SG<br>pump w<br>he time o<br>mps have<br><b>Revisic</b><br>g Trainir               | overfill. (B<br>hich is ~150<br>f St<br>e recirc lines<br>in LO. Nu | )<br>10.<br>mber  |
| Explanation<br>Answers:<br>WOG backgro<br>Material Requ<br>Question Sou<br>Question Sou | it: Ability to o<br>Safety inje<br>of (A) Correct<br>Incorrect -<br>psig. (C) f<br>termination<br>open to the<br>Reference<br>ound document<br>irree for Exam                  | perate and / or mo<br>ction pump amme<br>t - per the reference<br>with only 1 SI pur<br>moment - TTS is m<br>h is set by the oper<br>e RWST.<br>Fittle<br>s<br>ination   | nitor the followin<br>ter and indicators<br>te document, SI r<br>p the repressuriz<br>ot a credible con<br>ators use of stea<br>Facility I<br>1BwEP-3 | s<br>must be terminated<br>zation would be slo<br>icen with all RCPs<br>im release and not<br>Reference Numbe | when conditions<br>w, and only reach<br>remning. The and<br>dependent on SI t<br>Reference | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc<br>Section | e:<br>n order to pre-<br>ead of the SI<br>outdown at the<br>prrect - SI pur<br>Page No.<br>Used Durin<br>Used Durin<br>R<br>P | event SG<br>pump w<br>he time o<br>mps have<br>Revision<br>g Trainin                     | overfill. (B<br>hich is ~150<br>f G<br>recirc lines<br>n LO. Nu     | )<br>10.<br>mber  |
| Explanation<br>Answers:<br>WOG backgro<br>Material Requ<br>Question Sou<br>Question Sou | it: Ability to o<br>Safety inje<br>of (A) Correct<br>Incorrect -<br>psig. (C) f<br>termination<br>open to the<br>Reference<br>ound document<br>irree for Exam                  | perate and / or mo<br>ction pump amme<br>t - per the reference<br>with only 1 SI pur<br>moment - TTS is m<br>h is set by the oper<br>e RWST.<br>Fittle<br>s<br>ination   | nitor the followin<br>ter and indicators<br>te document, SI r<br>p the repressuriz<br>ot a credible con<br>ators use of stea<br>Facility I<br>1BwEP-3 | s<br>must be terminated<br>zation would be slo<br>icen with all RCPs<br>im release and not<br>Reference Numbe | when conditions<br>w, and only reach<br>remning. The and<br>dependent on SI t<br>Reference | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc<br>Section | e:<br>n order to pre<br>ead of the SI<br>soldown at it<br>prrect - SI pur<br>Page No.<br>Used Durin<br>Used Durin<br>R<br>S   | event SG<br>pump w<br>he time o<br>mps have<br><b>Revisic</b><br>g Trainir               | overfill. (B<br>hich is ~150<br>f G<br>recirc lines<br>n LO. Nu     | )<br>10.<br>mber  |
| Explanation<br>Answers:<br>WOG backgro<br>Material Requ<br>Question Sou<br>Question Sou | it: Ability to o<br>Safety inje<br>of (A) Correct<br>Incorrect -<br>psig. (C) f<br>termination<br>open to the<br>Reference<br>ound document<br>irree for Exam                  | perate and / or mo<br>ction pump amme<br>t - per the reference<br>with only 1 SI pur<br>moment - TTS is m<br>h is set by the oper<br>e RWST.<br>Fittle<br>s<br>ination   | nitor the followin<br>ter and indicators<br>te document, SI r<br>p the repressuriz<br>ot a credible con<br>ators use of stea<br>Facility I<br>1BwEP-3 | s<br>must be terminated<br>zation would be slo<br>icen with all RCPs<br>im release and not<br>Reference Numbe | when conditions<br>w, and only reach<br>remning. The and<br>dependent on SI t<br>Reference | Tube Rupture<br>are reached i<br>the shutoff h<br>sunt of RCS c<br>flow. (D) Incc<br>Section | Page No. Page No. Used Durin  | event SG<br>pump w<br>he time o<br>mps have<br>Revision<br>g Trainin<br>teviews (<br>eer | overfill. (B<br>hich is ~150<br>f G<br>recirc lines<br>n LO. Nu     | )<br>10.<br>mber  |

| T Common               |  | System/Evolution List SRO S  | System/Evolution List                               | Outline Changes  | Quen 32  |
|------------------------|--|--|---|--|--|
| 400001111000           | Steam Generator Tube F   |  |   |  |  |
| Usin<br>MINI<br>unit s | g the Main Steam radiation monitors and<br>MUM change in dose rate is necessary<br>shutdown?   | d Figure 2 of 1BwOS SG-1, "Stear<br>to cause the Unit to exceed the To | n Generator Primary to<br>ech Spec limit for one (1 | Secondary Leakage Estima<br>) steam generator tube lea | ation", what<br>kage requiring a                               |
| a.                     | 0.05 mr/hr   |  |   |  |  |
| b.                     | 0.10 mr/hr   |  |   |  |  |
| C.                     | 0.15 mr/hr   |  |   |  |  |
| d.                     | 0.20 mr/hr   |  |   |  |  |
|                        | 0000038A211       EA2.11       RC         //Evolution Title       Steam Generator T         //Evolution Title       Local radiation reading on maintering         Local radiation reading on maintering       Local radiation reading on maintering         tion of       TS Limit for SG Tube Leakage         s:       estimated leak rate of 150 gpc | ret the following as they apply to                                     | ) Correct - a .1 mr/hr ind                          | RO Group: 2  | 7/19/02     SRO Group:   2     038   I yield an an the minimum |
| Steam G                | Reference Title  | Facility Reference Number  |   | ion Page No. Revi                                      | sion L.O. Number   |
|                        | ecs - Operational Leakage  | 1BwOS SG-1<br>2.4.13   | F, Figure 2   | 4 4  |  |
|                        |  |  |   | <u>3.4.13-1</u> <u>A98</u>                             |  |
|                        | Required for Examination 18w0  | S SG-1SG Leakage Estimation -  | Figure 2 (page 12)                                  | ······   |  |
|                        |  | Question Modification Method:  |   | Used During Train                                      | ning Program   |
| Commen                 | t Type Comment   |  |   | Review<br>Peer<br>Supervi<br>Facility<br>NRC           | sory   |

:

| A reactor trip and   | Steam Line Rupture  |  |   |                           |   |   |
|--|---|--|---|---------------------------|---|---|
| Safety Injection", u   | safety injection has occurred<br>up to and including step 30, "               | d. The operating crew has entered a<br>'Check if ECCS Flow Should Be Tern  | nd performed all applicable<br>ninated" | steps of 1Bv              | /EP-0, "Reac  | tor Trip and  |
| The following conc   |   |  |   |                           |   |   |
| - RCS Pressure i<br>- Containment pr<br>- Containment ra<br>- Steam Generati<br>SG:<br>- Pressure 10<br>NR Level 3   | A B<br>000 psig stable 1000 psig s<br>30% increasing 28% incre<br>Green Green | e<br>CStable 450 psig decreasing 1000 p<br>easing 0% (no trend) 30% ir<br>Green Green  | ncreasing                               |                           | - Sector - S | i di secono<br>Tinta di Sussiane  |
| Given the above cc<br>a. 1BwCA-1.2   | anditions, which procedure tr   | ansition should have been made in 1  |   |                           | steps?  | adarahiyadi.<br>Tada mutam  |
|  | LOCA Outside Containm   | ent for a second s | no alifick înglektive spor              | ent till som s            | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1  | de danser:  |
| <b>b.</b> 1BwEP-1  | Loss of Reactor or Seco   | ndary Coolant  | i sources                               | 211111                    | -   |   |
| <b>c.</b> 18wEP-2  | Faulted Steam Generato  | r Isolation  |   |                           |   |   |
| d 1BwCA-2.1  |   |  |   |                           | ······  |   |
| d. 1BwCA-2.1   | Uncontrolled Depress of a   | all Steam Generators   |   |                           |   |   |
| Answer c E   | xam Level R Cogn  | itive Level Application  | Facility: Braidwood                     | Exam[                     | ate:  | 7/19/02   |
| KA: 000040G404   | 2.4.4 RO  | Value: 4.0 SRO Value: 4.3  | Section: EPE R                          | O Group:                  | 1] SRO (  | The second se |
| System/Evolution.T   | itle Steam Line Rupture   |  |   |                           |   |   |
| KA Statement:  | an a                                      |  | <u></u>                                 | سقرق الرجاري              |   | n in the second seco |
| Abi  | ility to recognize abnormal in<br>normal operating procedures                 | ndications for system operating paran  | neters which are entry-level            | conditions fo             | or emergency  | and   |
| Explanation of Per   | r 1BwEP-0 diagnostics (27-2   | (C) Correct - 1C SG pressure is d  |   | 1                         |   | E-0 there is  |
| Construction of the second sec |   | progress yet. (B) Incorrect - cnmt rac<br>parameters do not support the entry  |   | ost trip readi            | ngs. (A&D) Ir   |   |
|  |   | parameters do not support the entry  | CONUMONS                                |                           |   | icorrect -  |
|  | rence Title   | Facility Reference Number  |   |                           |   | <u> </u>  |
|  | erence Title  |  | Reference Section                       | Page No.                  | Revision L  | <u> </u>  |
| Li Refe  | erence Title  | Facility Reference Number  |   | Page No.                  |   | <u> </u>  |
| Reactor Trip or Safety   | y Injection   | Facility Reference Number  |   | Page No.                  | Revision L  | <u> </u>  |
| Refe   | y Injection   | Facility Reference Number  |   | Page No.                  | Revision L  | <u> </u>  |
| Refe<br>Reactor Trip or Safety<br>Material Required for<br>Question Source:  | rence Title the<br>y Injection<br>r Examination                               | Facility Reference Number  | Reference Section                       | Page No.           22,23  | Revision L  | O. Number   |
| Refe<br>Reactor Trip or Safety<br>Material Required for  | rence Title the<br>y Injection<br>r Examination                               | Facility Reference Number  | Reference Section                       | Page No.           22,23  | Revision L<br>100wog1   | O. Number   |
| Refe<br>Reactor Trip or Safety<br>Material Required for<br>Question Source:<br>Question Source Cor   | rence Title y Injection r Examination   | Facility Reference Number  | Reference Section                       | Page No.           22,23  | Revision L<br>100wog1   | O. Number   |
| Refe<br>Reactor Trip or Safety<br>Material Required for<br>Question Source:<br>Question Source Cor   | rence Title y Injection r Examination New mments                              | Facility Reference Number  | Reference Section                       | Page No.                  | Revision L<br>100wog1   | O. Number   |
| Refe<br>Reactor Trip or Safety<br>Material Required for<br>Question Source:<br>Question Source Cor   | rence Title y Injection r Examination   | Facility Reference Number  | Reference Section                       | Page No.           22,23  | Revision L<br>100wog1   | O. Number   |
| Refe Reactor Trip or Safety Material Required for Question Source: Question Source Cor   | rence Title y Injection r Examination   | Facility Reference Number  | Reference Section                       | Page No. 22,23 Used Durin | Revision L<br>100wog1<br>g Training Pr<br>eviews Com<br>eer   | O. Number   |
| Refe Reactor Trip or Safety Material Required for Question Source: Question Source Cor   | rence Title y Injection r Examination   | Facility Reference Number  | Reference Section                       | Page No.           22,23  | Revision L<br>100wog1   | O. Number   |

|                                       |                   | tion Topic              | ·····                  | s of Main  |                       |          |                                      |   |  |  |                              |  |       |
|---------------------------------------|-------------------|-------------------------|------------------------|--|-----------------------|----------|--------------------------------------|---|--|--|------------------------------|--|-------|
|                                       |                   |                         |                        |  |                       |          |                                      | ionorica.   | al status tree. While they   | attempt to re                            | store feed f                 | low to a S/G                             | ,     |
|                                       | The r             | eason RC                | S bleed a              | and feed   | must be               | establi  | ished QUICKLY is to p                | prevent:  |  |  |                              |  |       |
|                                       | a                 | Inability to            | o provide              | e sufficien  | it injectio           | n flow   | for core cooling due to              | o high RCS pre  | SSure. The Manufacture Products  | et in 1925 v                             | · · · ·                      |  | ····· |
|                                       | b.                | High tem                | oerature               | and pres   | sure failu            | ure of S | Steam Generator tube                 |   | a state in the state of the sta | an an the state of the state             | -<br>Ne Pittari Jani -       |  |       |
| · · · · · · · · · · · · · · · · · · · | <b>c.</b>         | An overpr               |                        |  |                       |          |                                      |   | anter o mittaget de la company de la   | · · · · · · · · ·                        | n a fi shunsaya              | en e | 3     |
|                                       |                   |                         |                        |  |                       |          |                                      |   | en de la constanta de la composition de las  | n en | an an Araa<br>               | William Francisco                        | 2040  |
|                                       | d.                | A rapid Ri              | CS overp               | pressuriza   | ation, follo          | owed t   | by a rapid RCS depre                 | ssurization due   | to RCP seal failures.  |  |                              | asista (se                               |       |
|                                       | Answei            | r]a]                    | Exam I                 | evel E   | 3 [                   | Cognit   | ive Level Memory                     | /F  | cility: Braidwood  | Exam                                     | Date:                        | . 7/1                                    | 9/02] |
|                                       |                   | 000054A10               |                        | AA1.04   |                       | RO Va    | alue: 4.4 SRO V                      | <b>alue:</b> 4.5  | Section: EPE F   | O Group:                                 |                              | O Group:                                 | 2     |
|                                       |                   | /Evolution              |                        | }  | Main Fe               |          |                                      |   |  |  |                              | 054                                      |       |
|                                       | KA Stat           | tement:                 | Ability to<br>HPI, und | operate a  | and / or r            | nonito   | r the following as they<br>onditions | apply to Loss   | of Main Feedwater:   | un folg geor                             | 1. (s 199 <sup>4</sup>       | ······································   |       |
|                                       | Explana<br>Answer | ation of<br>s:          | (A) Corre<br>ensures   | ect - per ⊢<br>effective l   | 1.1 backg<br>heat rem | ground   | documents. Early ble                 | ed and feed all<br>nt is allowed to<br>ter repressurize | ows maximum RCS pres<br>progress before bleed ar<br><del>ation and higer net inven</del>   | sure drop, gr<br>id feed is initi        | eater SI flo<br>ated, the si | w rates and maller the                   |       |
|                                       | Contar and        | a and the second second | eference               | Sec. 1. Sec.   |                       |          | Facility Reference                   | et al la state de la                                    | Reference Section  | Page No.                                 | D                            |  |       |
|                                       |                   | nal Restora             |                        | cedures  |                       | [        | 1BwFR-H.1                            |   | OAS, Step 3  | 3  | 100                          | L.O. Numt                                |       |
|                                       | Backgro           | und Docur               | nents                  |  |                       |          | 1BwFR-H.1                            | [   | Bleed & Feed   | 34,35                                    | 1                            |  |       |
|                                       | Matorial          | Domitical               |                        |  |                       | ]].      |                                      |   |  |  | [                            | Ì  |       |
|                                       | ******            | Required                |                        |  |                       |          |                                      |   |  |  |                              |  |       |
| 1_                                    |                   | n Source (              |                        |  | Bank<br>98 Seabro     |          | uestion Modification                 | Method:   | ditorially Modified  | Used Durin                               | g Training                   | Program                                  |       |
|                                       | Commen            | <u>it Type</u>          | Comme                  | nt in the second se |                       |          |                                      |   |  |  | eviews Cc<br>eer             | _  |       |

| T         | RO SkyScraper SRO Skyscraper RO System/Evolution List SRO System/Evolution List Outline Changes Cite a SZ3   |
|-----------|--|
|           | Question Topic Loss of Offsite and Onsite power (Station Blackout)   |
|           | The following conditions exist:  |
|           | <ul> <li>A station blackout has occurred</li> <li>1A EDG tripped on differential overcurrent</li> <li>1B EDG failed to field flash</li> <li>NO unit SAT's are energized</li> <li>Both Unit 2 EDG's were successfully started and are carrying buses 241 and 242</li> <li>Unit 2 has determined that BOTH buses 241 and 242 are available for crosstie</li> </ul> |
|           | Given the available AC sources, what is the preferred method for restoration of AC power on Unit 1:  |
|           | Cross-tie ESF bus(1) and verify(2) loads on Unit 2 RUNNING.  |
|           |  |
|           | a. 241 to 141 Train A  |
|           | <b>b.</b> 241 to 141 Train B   |
|           | 242 to 142 Train A   |
|           | d 242 to 142 Train B   |
| 5         |  |
| -         | Answer b Exam Level S Cognitive Level Application Facility: Braidwood ExamDate: 7/19/02  |
| 6.0       | KA:         000055A203         EA2.03         RO Value:         3.9         SRO Value:         4.7         Section:         EPE         RO Group:         1         SRO Group:         1   |
|           | System/Evolution Title Station Blackout 055  |
| K         | KA Statement:         Ability to determine and interpret the following as they apply to Station Blackout:           Actions necessary to restore power   |
| E         | Explanation of (B) Correct - per 2BwCA-0.3. "It is preferred to prepare 4KV/ESE Bug 244 for the LL is a  |
|           | Answers: Pump availability. (A) Incorrect - bus selection is ok, but Unit 2 must align Train B loads to support Unit 1 operation. (C&D)  |
| 198       |  |
|           | Reference Title Facility Reference Number Reference Section Page No. Revision L.O. Number  |
| Ê         | Response to Opposite Unit Loss of All AC     2BwCA-0.3     step 4 NOTE     4     1WOG1   |
| F         |  |
| M         | Material Required for Examination  |
| ~~~~~     |  |
| 6202      | Question Source: New Question Modification Method: Used During Training Program Question Source Comments   |
|           |  |
| Ca        | comment Type Comment   |
| Lizzona a | Reviews Complete   |
| •         | Supervisory  |
|           | Facility   |
|           |  |
|           | 25   |
|           |  |

er sanga

| Сатрате:<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана<br>Талариана |
|---|
|   |
|   |
|   |
|   |
|   |
| Examplate: 7/19/02  |
|   |
|   |
|   |
| on, ESF switchgear control<br>C) Correct - 1CC685 is a motor  |
|   |
| Page No Powinter I O M. C.  |
|   |
| 2,5   |
|   |
| 2,5   |
|   |
| 2,5   |
|   |
| on, ESF switchgear control<br>C) Correct - 1CC685 is a mo   |

| т    | RO      | SkyScrap   | er          | SRO Skysci      | aper               | RO Sy                     | stem/Evolution                   | List SRO                       | System/E | Evolution List                               | tline Cl  | nanges          |          | QH.                                    | n <u>322</u> |
|------|---------|------------|-------------|-----------------|--------------------|---------------------------|----------------------------------|--------------------------------|----------|--|-----------|-----------------|----------|--|--------------|
| **** | Que     | stion To   | pic         | Loss of Offs    | site and           | Onsite po                 | ower (Station I                  | Blackout)                      |          |  |           |                 |          |  |              |
|      | The     | following  | cond        | litions exist o | n Unit             | 1:                        |                                  |                                |          |  |           |                 |          |  |              |
| 1    | - A     | loss of a  | II AC       | power occur     | red 20             | minutes a                 | igo                              |                                |          |  |           |                 |          |  |              |
| -    | - A     | MI State a | nd NI       | RC initial not  | ification          | is have be                | en made as r                     | ss as a Site Em<br>equired     |          |  |           |                 |          |  |              |
|      | -       | he Emerg   | gency       | / Director has  | 5 hour:<br>s upgra | s to restor<br>ded the cl | e AC power to<br>assification to | either ESF Bu<br>a General Eme | s        |  |           |                 |          |  |              |
|      | - T     | he time n  | iow is      | 01:15           |                    |                           |                                  |                                |          |  | ·         |                 |          |  |              |
|      | The     | State of I | llinois     | must be not     | ified of           | this chang                | ge in emergen                    | cy plan classifi               | cation N | O LATER THAN:                                | • .       | ×               |          |  |              |
|      | a.      | 01:30      |             |                 |                    |                           | ****                             |                                |          |  |           |                 |          |  | <u> </u>     |
|      | Ь.      | 02:00      |             |                 |                    |                           |                                  |                                |          |  |           |                 |          |  |              |
|      |         |            |             |                 |                    |                           |                                  |                                |          |  |           |                 | ·····    | ·                                      |              |
|      | c.      | 02:15      |             |                 |                    |                           |                                  |                                |          |  |           |                 |          |  |              |
|      | d.      | 02:30      |             |                 |                    |                           |                                  |                                | ****     |  |           |                 | *****    |  | ]            |
|      | Answ    | er a       | Ē           | xam Level       | S                  | Cogni                     | tive Level                       | Memory                         | j F      | acility: Braidwood                           | d         | Exam            | Date:    |  | 7/19/02      |
| 1    | KA:     | 0000550    | <b>3430</b> | 2.4.3           | 0                  | ROV                       | alue: 2.2                        | SRO Value:                     | 3.6      | Section: EPE                                 | RO        | Group:          |          | SRO Group                              |              |
|      | Syste   | m/Evolut   | ion T       | itle Stati      | on Blac            | kout                      | 1                                |                                |          |  |           | , <u>1987 (</u> |          | ······································ | 55           |
|      | KA St   | atement:   |             | owlodge of      | ubiob e            |                           | 6                                |                                |          |  |           |                 |          |  |              |
|      | Explai  | nation of  | Pe          | r EP-AA-114     | "Notifi            | cations" -                | offsite notificat                | operations/statu               | us shoul | d be reported to out<br>nin 15 minutes of an | side age  | ncies.          |          |  | <u> </u>     |
|      | Answa   |            | Co          | rrect time fra  | me.                |                           |                                  |                                |          | In 15 minutes of an                          | y classif | ication leve    | el chang | ge. (A) is or                          | ily          |
|      |         |            | Refe        | erence Title    |                    | in control                | Facility F                       | Reference Num                  | ber .    | Reference Section                            | n I       | age No.         | Revis    | ion L.O. N                             | umber        |
|      | Votific | ations     |             |                 |                    | ]                         | EP-AA-114                        |                                |          | 4.1.1  |           |                 | 1        |  |              |
|      |         |            |             |                 |                    |                           |                                  |                                |          |  |           |                 |          |  |              |
| _    |         |            | ·····       |                 |                    | ]                         |                                  |                                | ]        |  |           | ]               | İ        |  |              |
|      |         |            |             | r Examinati     | on                 | <u> </u>                  |                                  |                                |          |  |           |                 |          |  |              |
| 1    |         | on Soure   |             | -               |                    |                           | uestion Mod                      | ification Metho                | od:      |  | ] [0      | sed Durin       | g Train  | ing Progra                             | m            |
| C    | luesti  | on Sourc   | e Co        | mments          |                    |                           |                                  | ****                           |          |  |           |                 |          |  |              |
| C    | omm     | ent Type   | C           | omment          |                    |                           |                                  |                                |          |  |           | A F             | leviews  | Complete                               |              |
| S    | RO      |            |             | ssessment o     | f condit           | ions                      |                                  |                                |          |  |           |                 | 'eer     | -                                      |              |
|      |         |            | <u> </u>    |                 |                    |                           |                                  |                                |          |  |           |                 | iupervis | sory                                   |              |
| -    |         |            | _           |                 |                    |                           | ****                             |                                |          |  |           |                 | acility  | 3 ()                                   |              |
|      |         |            | *****       |                 |                    |                           | ***                              |                                |          |  |           |                 |          | _]                                     |              |

|  | The for<br>- A the<br>- The<br>- The<br>- Tra | turbine trip /<br>e crew has<br>ansition has<br>oncurrently, t | reactor f<br>complete<br>been mathematications<br>the SRO | ed the Immed<br>ade to 1BwE<br>has entered | rred conc<br>diate actic<br>P ES-0.1,<br>I 1BwOA E | n steps of 1B\<br>"Reactor Trip<br>ELEC-2, "Loss | Response"<br>of DC Bus"         | r Trip or            | Safety Injection"                      |             |                     |                |  |  |          |
|--|---|--|---|--|--|--|---------------------------------|----------------------|--|-------------|---------------------|----------------|--|--|----------|
|  |   |  | wing des  | scribes willy a                            | in operato   | r is dispatched                                  | a in 18wOA ELI                  | =C-2 to 1            | ocally open the Pl                     | MG brea     | aker?               |                |  |  |          |
|  | · a.  | Prevent rev  | verse rot   | ation of the 1                             | A Reacto   | r Coolant Pur                                    | ip · · ·                        |                      |  | · • • *,- • | ine sources et also | Aut Die        | al per                                 |  |          |
| •• ••••                                  | b.  | Half of the s  | steam dı  | ump valves h                               | ave failed   | open   |                                 |                      | and a carrière                         |             | C 1 5 1145          |                | 2                                      |  |          |
| · · · · · · · ·                          | Ċ.  | Protoct cau  | in manual f   |  |  |  |                                 |                      | ·                                      |             |                     |                |  | an a |          |
|  |   | -rotect equ  |   | from low freq                              | uency / vo   | oltage AC  | C                               | 0.011.46.84 <b>0</b> | NA LITUR SING BRA                      | 8647 P.S    | nen anten fig he    | •              | an siya an                             | สำคัญสาร                                 |          |
|  | d.  | Half of the f  | feedwate  | er isolation va                            | alves have   | failed open                                      |                                 |                      | non en grat                            | e ya ya ƙ   |                     |                |  |  |          |
|  | Answei  | c  | Exam Le   | evel B                                     | Cogni  | tive Level                                       | Memory                          | Fa                   | cility: Braidwoo                       | od          | Exam[               | Date:          |  | 7/19/02                                  |          |
| e inter                                  | <b>KA:</b>                                    | 000058K302   | 2   | AK3.02                                     | ROV  | alue: 4.0  | SRO Value:                      |                      | Section: EPE                           |             | O Group:            |                | SRO Grou                               |  | <u> </u> |
| n an | System  | /Evolution   | Title   | Loss of DC                                 | Power  |  | New York Street                 | [                    |  | J 🗠         |                     |                | ······································ | 058                                      | ן<br>ר   |
|  | KA Stat                                       | tement: K  | nowledg   | e of the reas                              | ons for th   | e following res                                  | ponses as they                  | apply to             | Loss of DC Powe                        | er:         |                     | 0.55 PC        | ······································ | 000                                      | ]<br>    |
| مربع میں اور                             | Explana                                       |  |   |  |  | s of dc power                                    |                                 |                      |  |             | en de trata         |                | d <sup>ar</sup> te sur a sur           |  | Ĺ        |
|  | Answer  | ••••••••••••••••••••••••••••••••••••••                         | nu cann   | лаг. тнеу                                  | wiirenia   | in eneraizea. V                                  | VIII all attendent              | tioads f             | bus 143 and 6.9 b<br>rom the main gen  | orátor o    | a long og the       | DMC -          | والمائم مدينة                          | ower<br>sed.                             | 1.1      |
|  | · · · ·                                       | , ui   | noouon.   | (D) moonect                                | - steam u  | umps lan clos                                    | ed and are not a ses 111 and 11 | affected             | aithough 1A RCP<br>by DC 113. (D) In   | correct     | - feedwater i       | isolatior      | n valves fai                           |  |          |
| $\sim$                                   |   | Ref  | ference   | Title                                      |  | Facility F                                       | eference Num                    | ber                  | Reference Secti                        | on          | Page No.            | Revis          | ion L.O. I                             | Number                                   | T        |
|  |   | al Operation   | 1 Proced  | lures                                      | ]  | 1BwOA ELE  | C-1                             |                      | Attachment A                           |             | 3                   | 100            |  |  | -        |
|  | Bwd Big                                       |  |   |  |  | DC-1   |                                 |                      |  | ]           | 1                   | 3              |  |  |          |
|  |   | LEC-1 Less   |   |  | ]  | 11-OA-CL-01                                      |                                 | ]                    | 11                                     | ]           | 2                   | 6              | 3,4                                    | [  |          |
|  | Material                                      | Required f   | for Exam  | nination                                   | <u> </u>   |  |                                 |                      |  |             |                     |                |  | ]  | 1        |
|  |   | n Source:  |   | ty Exam Ban                                | ik G   | uestion Mod                                      | fication Metho                  | d: S                 | ignificantly Modifi                    | ed          | Used Durin          | g Train        | ing Progra                             | am 📋 📋                                   | -        |
|  | Questio                                       | n Source Co  | omment  | ts   |  |  | *****                           |                      | *******                                |             | *********           |                |  |  |          |
|  | Commei  | at Tues  | Commen  |  |  |  |                                 |                      |  |             |                     |                |  |  | ļ.       |
|  | Comme   |  | Sommer  | 11   |  |  |                                 |                      |  |             |                     |                | s Complete                             | e  |          |
|  |   |  |   |  |  |  |                                 |                      |  |             |                     | eer<br>Supervi |  |  |          |
|  |   |  |   |  |  |  |                                 |                      | ************************************** |             |                     | acility        |  |  |          |
|  |   |  |   | ·····                                      |  |  |                                 |                      |  |             | N                   | IRC            |  |  |          |
|  |   | ······   |   |  |  |  |                                 |                      |  |             |                     |                |  | 23                                       |          |

| Chard  | uel Handling<br>coal Booster<br>(OVA04CA)  | Charcoal abso<br>inlet damper F<br>(OVA060Y)  | an  | Charcoal abs<br>bypass dam<br>(OVA051Y)  |  |  |  |   |                        |
|--|--|---|---|--|--|--|--|---|------------------------|
| <br><b>a.</b>  | Automatically Starts   | Opens   |   | Closes   |  | . en triggagar   | . <sup>1</sup> •2010 - 10  | en de te  |                        |
| b,   | Started Manually   | Opens   |   | Closes   | ditta in 2000  | to a trade de la   | ten er   |   | n vietzen antiken die  |
| c.   | Started Manually   | Closes  |   | Opens  |  | e Marter   | na si                                | 91 - T. <b>R.</b>   |                        |
| d.   | Automatically Starts   | Closes  |   | Opens  | a star   | i se                                   |  | *****   | 1. <sup>11</sup> (147) |
| Answe  | er a Exam Level 000060K202 AK2.  |   |   | lemory   | Facility:  |  | Exam   | Date:   | 7/19                   |
|  |  |   |   |  |  |  |  |   |                        |
|  |  | dental Gaseous F  | Contraction of the second s                                 | SRO Value:   | 3.1 Section  |  | RO Group:  | {   | O Group:               |
| System   | n/Evolution Title Accid  | dental Gaseous F  | Radwaste Releas   | se   |  | ease and the follo   | wing:  | And the second second   | 0 Group:<br>060        |
| System<br>KA Sta   | n/Evolution Title Accid<br>itement: Knowledge of the<br>Auxiliary buildin<br>ation of Hi rad interlock   | dental Gaseous F<br>he interrelations I<br>ng ventilation sys<br>from 0RT-AR056                     | Radwaste Release<br>between Accident<br>stem  | se<br>ntal Gaseous   | Radwaste Rele  | ease and the follo   | wing:  |   |                        |
| System<br>KA Sta<br>Explan<br>Answei   | n/Evolution Title Accid<br>itement: Knowledge of the<br>Auxiliary buildin<br>ation of Hi rad interlock   | dental Gaseous F<br>he interrelations I<br>ng ventilation sys<br>from 0RT-AR056<br>) dampers, and a | Radwaste Release<br>between Acciden<br>stem<br>5 provides for au<br>auto closure of th  | se<br>ntal Gaseous<br>ito start of the<br>ne charcoal a                                | Radwaste Rele  | ease and the follo<br>Booster Fan, au<br>damper. (a) is th                 | wing:<br>o opening of<br>e only correc                                   | the charcoat  | al absorber            |
| System<br>KA Sta<br>Explan<br>Answe  | n/Evolution Title Accid<br>itement: Knowledge of the<br>Auxiliary buildin<br>ation of Hi rad interlock<br>inlet (and outlet  | dental Gaseous F<br>he interrelations I<br>ng ventilation sys<br>from 0RT-AR056<br>) dampers, and a | Radwaste Release<br>between Acciden<br>stem<br>5 provides for au<br>auto closure of th  | se<br>ntal Gaseous<br>ito start of the<br>ne charcoal a<br>ference Num                 | Radwaste Rele<br>FHB Charcoal<br>bsorber bypass                              | ease and the folic<br>Booster Fan, au<br>damper. (a) is th<br>ence Section | wing:<br>o opening of<br>e only correc<br>Page No.                       | the charcoat<br>tanswer.  |                        |
| System<br>KA Sta<br>Explan<br>Answei   | n/Evolution Title Accid<br>itement: Knowledge of the<br>Auxiliary buildin<br>ation of Hi rad interlock<br>inlet (and outlet<br>Reference Title   | dental Gaseous F<br>he interrelations I<br>ng ventilation sys<br>from 0RT-AR056<br>) dampers, and a | Radwaste Relea:<br>between Accider<br>stem<br>5 provides for au<br>auto closure of the<br>Facility Rel  | se<br>ntal Gaseous<br>ito start of the<br>ne charcoal al<br>ference Num<br>11T1        | Radwaste Rele<br>FHB Charcoal<br>bsorber bypass<br>ber Refer                 | ease and the follo<br>Booster Fan, au<br>damper. (a) is th                 | wing:<br>o opening of<br>e only correc                                   | the charcoat<br>tanswer.  | al absorber            |
| System<br>KA Sta<br>Explan<br>Answei   | n/Evolution Title Accid<br>itement: Knowledge of the<br>Auxiliary buildine<br>ation of Hi rad interlock<br>inlet (and outlet<br>Reference Title<br>Operating Procedures<br>ciator Response                                     | dental Gaseous F<br>he interrelations I<br>ng ventilation sys<br>from 0RT-AR056<br>) dampers, and a | Radwaste Relea:<br>between Accider<br>tem<br>5 provides for au<br>auto closure of th<br>Facility Rel<br>BwOP AR/PR-                             | se<br>ntal Gaseous<br>ito start of the<br>ne charcoal al<br>ference Num<br>11T1        | Radwaste Rele<br>FHB Charcoal<br>bsorber bypass<br>ber Refer                 | ease and the folic<br>Booster Fan, au<br>damper. (a) is th<br>ence Section | wing:<br>o opening of<br>e only correc<br>Page No.                       | the charcoat<br>tanswer.  | al absorber            |
| System<br>KA Sta<br>Explan<br>Answei<br>Normal<br>Annunc<br>AR/PR                      | n/Evolution Title Accid<br>itement: Knowledge of the<br>Auxiliary buildine<br>ation of Hi rad interlock<br>inlet (and outlet<br>Reference Title<br>Operating Procedures<br>ciator Response                                     | dental Gaseous F<br>he interrelations I<br>ng ventilation sys<br>from 0RT-AR056<br>) dampers, and a | Radwaste Release<br>between Accident<br>tem<br>5 provides for au<br>auto closure of the<br>Facility Rel<br>BwOP AR/PR<br>BwAR 4-0AR05           | se<br>ntal Gaseous<br>ito start of the<br>ne charcoal al<br>ference Num<br>11T1        | Radwaste Rele<br>FHB Charcoal<br>bsorber bypass<br>ber Refer                 | ease and the folic<br>Booster Fan, au<br>damper. (a) is th<br>ence Section | wing:<br>o opening of<br>e only correc<br>Page No.<br>4<br>1             | the charcox<br>t answer.<br>Revision                            | al absorber            |
| System<br>KA Sta<br>Explan<br>Answei<br>Normal<br>Annunc<br>AR/PR<br>Materia           | n/Evolution Title Accid<br>itement: Knowledge of the<br>Auxiliary buildine<br>ation of Hi rad interlock<br>inlet (and outlet<br>Reference Title<br>Operating Procedures<br>ciator Response<br>LP                               | dental Gaseous F<br>he interrelations I<br>ng ventilation sys<br>from 0RT-AR055<br>) dampers, and a | Radwaste Release<br>between Accident<br>tem<br>5 provides for au<br>auto closure of the<br>Facility Rel<br>BwOP AR/PR<br>BwAR 4-0AR05           | se<br>ntal Gaseous<br>ito start of the<br>ne charcoal al<br>ference Num<br>11T1<br>55J | Radwaste Rele<br>FHB Charcoal<br>bsorber bypass<br>iber   Refer<br>  Interlo | ease and the folic<br>Booster Fan, au<br>damper. (a) is th<br>ence Section | wing:<br>o opening of<br>e only correct<br>Page No.<br>4<br>1<br>1<br>16 | the charcoat<br>tanswer.<br><b>Revisio</b><br>] 9<br>] 1<br>] 2 | al absorber            |
| System<br>KA Sta<br>Explan<br>Answe<br>Normal<br>Annunc<br>AR/PR<br>Materia<br>Questio | n/Evolution Title Accid<br>itement: Knowledge of the<br>Auxiliary buildine<br>ation of Hi rad interlock<br>inlet (and outlet<br>Reference Title<br>Operating Procedures<br>ciator Response<br>LP<br>I Required for Examination | dental Gaseous F<br>he interrelations I<br>ng ventilation sys<br>from 0RT-AR055<br>) dampers, and a | Radwaste Relea:<br>between Accidenter<br>5 provides for au<br>auto closure of the<br>Facility Rel<br>BwOP AR/PR-<br>BwAR 4-0AR05<br>11-AR-XL-01 | se<br>ntal Gaseous<br>ito start of the<br>ne charcoal al<br>ference Num<br>11T1<br>55J | Radwaste Rele<br>FHB Charcoal<br>bsorber bypass<br>iber   Refer<br>  Interlo | ease and the folic<br>Booster Fan, au<br>damper. (a) is th<br>ence Section | wing:<br>o opening of<br>e only correct<br>Page No.<br>4<br>1<br>1<br>16 | the charcoat<br>tanswer.<br><b>Revisio</b><br>] 9<br>] 1<br>] 2 | al absorber            |

|                   |   | <b>tion Topi</b><br>h phase c | 1988-1               | dental Gaseou<br>e Break LOC/     |            |               | e<br>he basis for shifti | ng of Auxiliary B   | ulding Ventilation | o to the Emer  |               |                   |         |
|-------------------|---|-------------------------------|----------------------|-----------------------------------|------------|---------------|--------------------------|---------------------|--------------------|--|---------------|-------------------|---------|
|                   |   |                               |                      |                                   |            |               | ******                   | <u> </u>            |                    |  | jency woa     | 3?                | ******* |
| ~                 |   |                               |                      |                                   |            |               |                          |                     |                    |  |               |                   |         |
|                   |   |                               |                      |                                   |            |               |                          |                     |                    |  |               |                   |         |
|                   | . (rama)                                | ( <u></u>                     |                      |                                   |            |               |                          |                     |                    |  |               |                   |         |
| ч., т.<br>1920 г. | a.                                      | Blowdow                       | /n .                 |                                   |            |               |                          |                     |                    | · · ·  |               | <u>25,488</u> 5   |         |
|                   | b.                                      | Refill                        |                      | · · · ·                           | r          |               | in Andri                 | i an tha a          |                    | an sa ar   |               |                   |         |
| • • • • •<br>• •  | c.                                      | Reflood                       | ******               |                                   |            |               |                          | 0                   |                    | 1997 - Horay 1997 - 199 |               |                   |         |
|                   | <b>d.</b>                               | Recircula                     | ition                |                                   |            |               |                          |                     |                    | · · ·  |               |                   |         |
|                   | Answei                                  | r d                           | Exam L               | evel B                            | Cogn       | itive Level   | Application              | Facility:           | Braidwood          | Exami  | Date:         | 7/19/0            |         |
|                   |   | 000060K3                      |                      | AK3.02                            | ROV        | /alue: 3.3    | SRO Value:               | 3.5* Sectio         | n: EPE             | RO Group:  |               | D Group:          | 21      |
|                   |   | /Evolutio                     |                      | Accidental C                      |            |               |                          | likust oger         |                    | · · · · · ·  | ing Sign i ju |                   | -       |
|                   | KA Stat                                 | ement:                        | Knowled<br>Isolation | ge of the reas<br>of the auxiliar | ons for th | e following r | responses as the         | y apply to Accide   | ental Gaseous Ra   | adwaste Relea  | ase: 👾 📰      | a të senime të    |         |
|                   | Explana<br>Answer                       | tion of                       | Per TS B             | asis - 3.7.12 (                   | D) correc  | t - design ha | asis is established      | d by the large br   | eak LOCA. Assu     | mes a passive  | ECCS fail     | ure outside       |         |
| ŀ                 | *************************************** |                               | Reference            |                                   |            |               |                          | sid leg recirc. (A- |                    | curing inside o  | f containm    | ent. At the space |         |
|                   | TS Basi                                 |                               | cicicite             |                                   |            | B 3.7.12      | / Reference Nun          | nber Refere         | nce Section        | Page No.   | C             | L.O. Number       | ][      |
|                   |   | ર કરે છે. જે તેવે             | : .                  |                                   | ·]         |               |                          |                     |                    | 3.7.12-3   | 0             | <u>]</u><br>[]    |         |
|                   |   |                               |                      |                                   | l          |               |                          | ]                   |                    |  |               |                   |         |
|                   |   |                               | for Exar             |                                   |            |               | ******                   |                     |                    |  |               |                   |         |
|                   |   | n Source                      | 1 <u></u> [          |                                   |            | Question Mc   | dification Metho         | od:                 |                    | Used Durin   | g Training    | Program           |         |
|                   | Juestion                                | 1 Source                      | Commen               | its                               | ·····      |               |                          |                     |                    |  |               |                   |         |
| C                 | Commer                                  | nt Type                       | Comme                | nt                                |            |               |                          |                     |                    |  | aviews C      | omplete           | J       |
| 1                 |   |                               |                      |                                   |            |               |                          |                     |                    |  | eer           | Jinpiete          |         |
| IF                |   | 1                             |                      |                                   |            |               |                          |                     |                    |  |               | in l              | 1       |
|                   |   |                               |                      |                                   |            |               |                          |                     |                    |  | upervisor     |                   |         |
|                   |   |                               |                      |                                   |            |               |                          |                     |                    |  |               |                   |         |

|  | liary Building General Ar   | ea radiation monito   | ors provide all of the following  | na functions EXCER  | <u>от</u> ,                                   |                                  |  |                            |
|--|---|-----------------------|---|---|---|----------------------------------|--|----------------------------|
| 7  |   |                       |   | ing functions EXCEP   | - 1.  |                                  | all and a figure of the state o |                            |
| ~  |   |                       |   |   |   |                                  |  |                            |
|  |   |                       |   |   |   |                                  |  |                            |
|  |   |                       |   |   |   |                                  |  |                            |
| a.   | Trending of current and   | d past radiological o | conditions  | e do grades forsiones                                       |   |                                  | an the parts   | salitati nu in gest        |
| b.   | Local alarms for perso  | nnel protection       | . J 1918.   | an la theorem and the                                       | no atolizion                                  |                                  | · · · · · · · · · · · · · · · · · · ·  | ed to a <b>suppr</b> edit  |
| c.   | Detection of unauthoriz   | zed radioactive mat   | erials movement   | ရ ေနာက္ကိုင္းရက္က BM ျဖ                                     |   |                                  | ·····  |                            |
|  | [   |                       |   |   | <ul> <li>Character Contract (2017)</li> </ul> |                                  | an de la desarro de la composición de l  | - Senter Station (Station  |
| d.   | Automatic start of Aux  | Building Charcoal E   | Booster fans  |   | · .   | rește e r                        | .et  |                            |
| Answe  | er d Exam Leve  | B Cogni               | tive Level Memory   | Facility:   | Braidwood                                     | Exam                             | Date:  | 7/19/0                     |
| KA:  | 000061G127 2.1  | 1.27 RO V             | alue: 2.8 SRO Valu  | e: 2.9 Section  | EPE R   | O Group:                         | 2 SR   | O Group:                   |
| System   | m/Evolution Title Ar  | ea Radiation Monite   | oring (ARM) System Alarm  | S the Caterolica Sa   | nga syst                                      | •                                | ·  | 061                        |
| KA Sta   |   | of system purpose a   |   | an a                    |   | -                                |  | an the state of the second |
| Explan   |   |                       |   | **************  | itan gyana                                    |                                  |  | lage a segur               |
| - Heabien  | nation of Aux Building  | Unaccoal DOUSIEL I    | ans auto start upon receipt   | t of a SI signal only                                       | Not from Hi rad                               | (A-C) are co                     | preset function  | one of the                 |
| Answe  | general area  | radiation monitorin   | ans auto start upon receip<br>g system. (D) is the incorre  | t of a SI signal only.<br>ect (Correct) answer              | Not from Hi rad.                              | (A-C) are co                     | prrect functio   | ons of the                 |
| Answe  | Reference Tit   |                       | ans auto start upon receip<br>g system. (D) is the incorre<br>Facility Reference N                                | ect (Correct) answer  | Not from Hi rad.                              | ti di ti Anton                   | and the second second  | ons of the                 |
| Answe  | Reference Tit   |                       | g system. (D) is the incorre  | ect (Correct) answer  | i lan line series in t                        | ti di ti Anton                   | and the second second  | s i allisson independent   |
| Answe  | Reference Tit   |                       | Facility Reference N  | umber Refere  | i lan line series in t                        | Page No.                         | Revision   | LO.Number                  |
| Answe  | Reference Tit   |                       | g system. (D) is the incorre<br>Facility Reference N<br>BwOP VA-5   | umber    Refere   | i lan line series in t                        | Page No.                         | Revision   | LO.Number                  |
| Answe<br>Normal<br>Radiati                       | Reference Tit   |                       | g system. (D) is the incorre<br>Facility Reference N<br>BwOP VA-5   | umber    Refere   | i lan line series in t                        | Page No.                         | Revision   | LO.Number                  |
| Answe<br>Normal<br>Radiati<br>Materia            | Reference Tit   | ile                   | g system. (D) is the incorre<br>Facility Reference N<br>BwOP VA-5   | umber Refere  | i lan line series in t                        | Page No.           2           1 | Revision           10           2  | LO.Number                  |
| Answe<br>Normal<br>Radiati<br>Materia<br>Questio | Reference Tit<br>I Operating Procedures<br>ion Monitors LP<br>al Required for Examina   | ile                   | g system. (D) is the incorre<br>Facility Reference N<br>BwOP VA-5<br>I1-AR-XL-01 (49)                             | umber Refere  | i lan line series in t                        | Page No.           2           1 | Revision           10           2  | EO: Number     1           |
| Answe<br>Normal<br>Radiati<br>Materia<br>Questio | Reference Tit<br>I Operating Procedures<br>ion Monitors LP<br>al Required for Examination<br>on Source:                           | ile                   | g system. (D) is the incorre<br>Facility Reference N<br>BwOP VA-5<br>I1-AR-XL-01 (49)                             | umber Refere  | i lan line series in t                        | Page No.           2           1 | Revision           10           2  | EO: Number     1           |
| Answe<br>Normal<br>Radiati<br>Materia<br>Questic | Reference Tit<br>I Operating Procedures<br>ion Monitors LP<br>al Required for Examination<br>on Source:                           | ation                 | g system. (D) is the incorre<br>Facility Reference N<br>BwOP VA-5<br>I1-AR-XL-01 (49)<br>Question Modification Me | ect (Correct) answer<br>umber    Refere<br>  E<br>  I.A<br> | nce Section                                   | Page No. 2 1 Used Duri           | Revision   | E.O. Number                |
| Answe<br>Normal<br>Radiati<br>Materia<br>Questic | Reference Tit<br>I Operating Procedures<br>ion Monitors LP<br>al Required for Examination<br>on Source: New<br>on Source Comments | ation                 | g system. (D) is the incorre<br>Facility Reference N<br>BwOP VA-5<br>I1-AR-XL-01 (49)                             | ect (Correct) answer<br>umber    Refere<br>  E<br>  I.A<br> | nce Section                                   | Page No. 2 1 Used Duri           | Revision           10           2  | E.O. Number                |
| Answe<br>Normal<br>Radiati<br>Materia<br>Questic | Reference Tit<br>I Operating Procedures<br>ion Monitors LP<br>al Required for Examination<br>on Source: New<br>on Source Comments | ation                 | g system. (D) is the incorre<br>Facility Reference N<br>BwOP VA-5<br>I1-AR-XL-01 (49)<br>Question Modification Me | ect (Correct) answer<br>umber    Refere<br>  E<br>  I.A<br> | nce Section                                   | Page No. 2 1 Used Duri           | Revision       10       2       1       1       1       2       1  |                            |
| Answe<br>Normal<br>Radiati<br>Materia<br>Questic | Reference Tit<br>I Operating Procedures<br>ion Monitors LP<br>al Required for Examination<br>on Source: New<br>on Source Comments | ation                 | g system. (D) is the incorre<br>Facility Reference N<br>BwOP VA-5<br>I1-AR-XL-01 (49)<br>Question Modification Me | ect (Correct) answer<br>umber    Refere<br>  E<br>  I.A<br> | nce Section                                   | Page No. 2 1 Used Duri           | Revision   |                            |

|   | Questic                                  | on Topic                                      | Loss of                                    | Nuclear Servic  | e Water               |                                     |   |  |              |  |                           |                               |       |
|---|--|---|--|---|-----------------------|-------------------------------------|---|--|--------------|--|---------------------------|-------------------------------|-------|
|   | The foll                                 | lowing co                                     | nditions exi                               | ist on Unit 1   |                       |                                     |   |  |              |  |                           |                               |       |
| $\sim$  | - 1A S<br>- 1B S<br>  - Only<br>  - Cond | SX pump<br>SX pump<br>/ 1 SX pu<br>ditions or | could NOT<br>mp is availa<br>1 Unit 1 requ | on overcurrent<br>be started<br>able on Unit 2<br>uire cross tie of | f SX syst             |                                     | s) when cross-ty                              | ing units with or                          | nly ONE SX   | pump availa  | ble?                      |                               |       |
| -   | <b>a.</b> [C                             | ONE CCV                                       | V heat exch                                | anger on each   | unit is is            | solated                             | · · · · · · · · · · · · · · · · · · ·         | nan sa wasang                              |              |  | 2° :                      | nere el jelor                 | ····. |
|   |  | ONE RCF                                       | C train on e                               | each unit is shu  | itdown a              | nd isolated                         | n - no an 11 a - Alex                         | a fort data orașe de co                    | e di Senap   | an sa  | 4.4 <u>.5.5</u>           | enter e e <del>st</del> ellar |       |
|   | <b>c.</b> A                              | Il contain                                    | iment chille                               | rs on BOTH un   | its are s             | topped and isola                    | ted   | n to stati ( sa di                         | t Arratheres | e eestoinna ri .   | ann teo lacity            | al de constantes              |       |
|   | d. S                                     | SX flow to                                    | all RCFC's                                 | on ONE unit is  | s isolated            | 1                                   |   |  |              | € <sup>2</sup> <sub>4</sub> 5 <sub>4</sub>   | - <sup>1</sup>            | -                             |       |
| ۰,  | Answer                                   | b   | Exam Lev                                   | el B C  | Cognitiv              | e Level App                         | ication                                       | Facility: Brai                             | dwood        | Examl  | Date:                     | 7/1                           | 9/02  |
|   | <b>KA:</b> 00                            | 0062A10                                       | )1 A                                       | A1.01   | RO Valu               | Je: 3.1 SR                          | O Value: 3.1                                  | Section:                                   | EPE   R      | O Group:   | 1  SR                     | O Group:                      |       |
|   | System/E                                 | Evolution                                     | n Title L                                  | oss of Nuclear  | Service               | Water                               | 1. 18 a. 1                                    | and an | , <i>i</i>   |  |                           | 062                           |       |
| r   | KA State                                 | ment:   | Ability to op<br>Nuclear ser               | erate and / or r<br>vice water tem                                  | nonitor t<br>perature | he following as t<br>indications    | hey apply to Los                              | s of Nuclear Sei                           |              |  |                           |                               |       |
| (1842 – Alexandria)<br>Alexandria<br>Alexandria | Explanati<br>Answers:                    | : · · ·   F                                   |  | iconect - rende   | ers come              | changer on eacl<br>ol of containmen | n unit invokes LC<br>t temperatures r<br>rit. | 0303 (B) C                                 | moet : por 1 |  | 8, attach B<br>Cs incapat | step 1b:::<br>ble of          |       |
| -time I   | ()<br>                                   |   | eference Ti                                | itle  |                       | Eacility Pofor                      | ence Number                                   |  |              |  |                           |                               |       |
|   | L.S. (2017/2017/10/2017/10/2017          |   | ng Procedur                                |   |                       | BwOA PRI-8                          |   | Attach B                                   | ection       | Page No.   |                           | L.O. Num                      | oer   |
| $\sim$  |  |   |  |   | ]<br>                 |                                     |   |  | [            | 10   | 100                       |                               |       |
|   | [  |   |  |   |                       |                                     |   |  |              |  |                           |                               |       |
| ŀ   | Material R                               | Required                                      | for Examin                                 | nation  |                       |                                     |   |  |              | I  |                           | J [                           |       |
| - 1   |  |   |  | Exam Bank   | <br>                  | stion Modificat                     | ian Mathada                                   |  |              | (Sector Contraction of Contraction o |                           |                               |       |
|   |  |   | Comments                                   |   |                       | suon wouncat                        |   | Significantly M                            | odified      | Used Durin   | ig Training               | Program                       |       |
|   |  |   | somments                                   |   |                       | *****                               |   |  |              | *****  |                           |                               |       |
| Kurunani Kurunani                               | Comment                                  | <b>Type</b>                                   | Comment                                    |   |                       |                                     |   |  |              |  | Reviews C<br>Peer         |                               |       |
|   |  |   |  |   |                       |                                     | *****   |  |              |  |                           |                               |       |

|  |  |  | exist on Unit 1:   |   |   |  |  |   |  |   |   |                  |
|--|--|--|--|---|---|--|--|---|--|---|---|------------------|
|  | A seconda<br>Annunciat   | ary transien<br>or 1-21-E10  | t is preceeded   | by the foll<br>ST PNL 1   | lowing indica<br>11/113 VOI   | TLOW" alarm LI   | T  |   |  |   |   |                  |
| The  | IMMEDIA  | TE action re   | equired to be ta   | aken by th  | e operating   | crew is to:  |  |   |  |   |   |                  |
|  |  |  |  |   |   |  |  |   |  |   |   |                  |
| a.   | Assume   | e local eme  | rgency control   | of safe sh  | utdown equi   | ipment   |  | a an teo buga na  | sige Prigationer, −  | esta autorio  | · .   |                  |
| b.   | Start-up   | /restore the   | 125 VDC ESF  | Bus Bat   | tery Charger  | tioneration.   | n en   | ada yu ya are en  | obolien Cha  | ingen bee   | ka uwacana wan  | hattics          |
| c.   | Cross-ti   | e/restore th   | e 125 VDC ES   | F Bus to  | Unit 2 ESF [  | DC Power   | er og vælde  | under wir han se  | an the state   | er Sei dig  | Samatra   | en titt          |
| d.   | Verify U   | nit 1 reacto   | r and turbine a  | re tripped  | and ESF Bu  | usses are energiz  | ed   |   |  |   | - 10 M  | ad te            |
| Answe  | <b>rer</b> d   | Exam L   | evel S   | Cogniti   | ve Level  | Application  | Facility   | Braidwood   | Exam   | Date:   | ·. · · · · · · · · · · · · · · · · · ·  | 7/19/02          |
| KA:  | 0000650  | 6449   | 2.4.49   | RO Va   | lue: 4.0  | SRO Value:   | 4.0 Sect   | ion: EPE  | RO Group:  |   | RO Group:   |                  |
| Syster   | m/Evoluti  | on Title   | Loss of Instru   |   |   |  | I  | <b>ا است. المحقق المحق<br/>المحقق المحقق ا</b> |  |   |   | ·                |
|  | 100.00.000 (100.00.000)  |  |  | ment Air  | 10 A A  | 14 A.  |  |   |  |   |   |                  |
| KA Sta   |  |  |  | ment Air  | 5   |  | <u>.</u>   | ······  |  |   |   |                  |
| KA Sta   | atement:   | <br>   |  |   | e to procedu  | ures those action  | s that require   |   |  |   |   |                  |
| KA Sta   |  | Ability to controls.   | perform withou   | it referenc   | e to procedu  | ures those action  |  | immediate opera   | tion of system   | compone   | ents and  |                  |
| Explan   | atement:<br>nation of  | Ability to<br>controls.  | perform withou   | it references   | e to procedu  | ares those action  | r 1-21-E6 an   | e immediate opera   | tion of system   |   | ents and  |                  |
|  | atement:<br>nation of  | Ability to<br>controls.  | perform withou<br>C Bus 111 has<br>to the main fee   | it references<br>occurrected regulat  | e to procedu<br>l as evidence<br>ing valves, v  | ures those action<br>ed by annunciato<br>which fail closed   | r 1-21-E6 an<br>Resulting clo  | e immediate opera<br>d DC Bus voltage   | tion of system   | i compone   | ents and<br>DC results in   |                  |
| Explan   | atement:<br>nation of  | Ability to<br>controls.<br>Loss of D<br>loss of IA   | perform withou<br>C Bus 111 has<br>to the main fee<br>p due to poten<br>C power. Train   | it references<br>occurrected regulat<br>tiat loss o<br>A equip w  | as evidence<br>as evidence<br>ing valves, v<br>fileat sink. (<br>vill not be op   | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Conect. (A)<br>erated locally with   | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa   | d DC Bus voltage<br>osure of MFRVs re<br>fie shutdown equip   | tion of system<br>indicator. Los<br>sults in or req  | i compone<br>is of ESF i<br>juired an i<br>in D is not  | DC results in mmediate  | ling ga          |
| Explan   | atement:<br>nation of  | Ability to<br>controls.  | perform withou<br>C Bus 111 has<br>to the main fee<br><del>p due to poten</del><br>C power. Train<br>s exist that the  | it references<br>soccurrected regulat<br>tiat loss of<br>A equip w<br>battery c   | e to procedu<br>l as evidence<br>ing valves, v<br>fheat sink. (<br>vill not be op<br>harger has tr  | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Correct. (A)<br>erated locally w/c<br>ipped off. (C) In  | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa<br>tripping pro   | d DC Bus voltage<br>osure of MFRVs re<br>fie shutdown equip<br>tection if an opera  | tion of system<br>indicator. Los<br>sults in or req<br>ament on Trai<br>ble train is av  | i compone<br>is of ESF i<br>juired an i<br>in B is not<br>ailable. (B   | DC results in<br>mmediate<br>affected by<br>) Incorrect -   | no.              |
| Explan   | atement:<br>nation of  | Ability to<br>controls.  | perform withou<br>C Bus 111 has<br>to the main fee<br><del>p due to poten</del><br>C power. Train<br>s exist that the  | it references<br>s occurrected regulat<br>tiat loss of<br>A equip we<br>battery cl  | e to procedu<br>l as evidence<br>ing valves, v<br>fheat sink. (<br>vill not be op<br>harger has tr<br>of why 111 h  | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Correct. (A)<br>erated locally w/c<br>ipped off. (C) In  | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa<br>tripping pro   | d DC Bus voltage<br>osure of MFRVs re<br>fie shutdown equip   | tion of system<br>indicator. Los<br>sults in or req<br>ament on Trai<br>ble train is av  | i compone<br>is of ESF i<br>juired an i<br>in B is not<br>ailable. (B   | DC results in<br>mmediate<br>affected by<br>) Incorrect -   | no.              |
| Explan   | atement:<br>nation of<br>ers:  | Ability to<br>controls.  | perform withou<br>C Bus 111 has<br>to the main fee<br>p due to poten<br>C power. Train<br>is exist that the<br>st first determin<br>SG level and in  | it references<br>s occurrected regulat<br>tiat loss of<br>A equip we<br>battery cl  | e to procedu<br>l as evidence<br>ing valves, v<br>fheat sink. (<br>vill not be op<br>harger has tr<br>of why 111 h<br>eactor trip.  | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Contect. (A)<br>erated locally w/o<br>ripped off. (C) In<br>as tripped. Befor                          | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa<br>tripping pro<br>correct - Whi<br>e that, the im                    | a immediate operated<br>d DC Bus voltage<br>osure of MFRVs re<br>fie shutdown equip<br>tection if an operate<br>le it may be desire<br>mediate concern i  | tion of system<br>indicator. Los<br>sults in or req<br>ment on Train<br>ble train is av<br>able to cross-<br>is the failure o  | i compone<br>s of ESF i<br>uired an i<br>n D is not<br>allable. (B<br>tie DC Bu<br>f all FRVs   | DC results in<br>mmediate<br>affected by<br>) Incorrect -<br>isses at som<br>s on Unit 1,                         | h.<br>ho<br>ie   |
| Explan   | atement:<br>nation of<br>ers:  | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mu<br>lowering S  | perform withou<br>IC Bus 111 has<br>to the main fee<br>p due to potem<br>C power. Train<br>s exist that the<br>st first determin<br>SG level and in  | It references<br>occurrected regulat<br>tiat loss of<br>A equip we<br>battery content<br>mainent references                 | e to procedu<br>I as evidence<br>ing valves, v<br>fileat sink. (<br>vill not be op<br>harger has tr<br>bf why 111 h<br>eactor trip.<br>Facility F                             | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Correct. (A)<br>erated locally w/o<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb        | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa<br>o tripping pro<br>correct - Whi<br>e that, the im<br>ethat, the im | e immediate opera<br>d DC Bus voltage<br>osure of MFRVs re<br>fe shutdown equip<br>tection if an opera<br>le it may be desire<br>mediate concern i<br>rence Section   | tion of system<br>indicator. Los<br>sults in or req<br>ament on Trai<br>ble train is av  | i compone<br>s of ESF i<br>uired an i<br>n D is not<br>allable. (B<br>tie DC Bu<br>f all FRVs   | DC results in<br>mmediate<br>affected by<br>) Incorrect -   | h.<br>ho<br>ie   |
| Explan   | atement:<br>nation of<br>ers:  | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mu<br>lowering S  | perform withou<br>C Bus 111 has<br>to the main fee<br>p due to poten<br>C power. Train<br>is exist that the<br>st first determin<br>SG level and in  | It references<br>occurrected regulat<br>tiat loss of<br>A equip we<br>battery content<br>mainent references                 | e to procedu<br>l as evidence<br>ing valves, v<br>fheat sink. (<br>vill not be op<br>harger has tr<br>of why 111 h<br>eactor trip.  | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Correct. (A)<br>erated locally w/o<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb        | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa<br>tripping pro<br>correct - Whi<br>e that, the im                    | e immediate opera<br>d DC Bus voltage<br>osure of MFRVs re<br>fe shutdown equip<br>tection if an opera<br>le it may be desire<br>mediate concern i<br>rence Section   | tion of system<br>indicator. Los<br>sults in or req<br>ment on Train<br>ble train is av<br>able to cross-<br>is the failure o  | i compone<br>s of ESF i<br>uired an i<br>n D is not<br>allable. (B<br>tie DC Bu<br>f all FRVs   | DC results in<br>mmediate<br>affected by<br>) Incorrect -<br>isses at som<br>s on Unit 1,                         | h.<br>ho<br>ie   |
| Explan   | atement:<br>nation of<br>ers:  | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mu<br>lowering S  | perform withou<br>IC Bus 111 has<br>to the main fee<br>p due to potem<br>C power. Train<br>s exist that the<br>st first determin<br>SG level and in  | It references<br>occurrected regulat<br>tiat loss of<br>A equip we<br>battery content<br>mainent references                 | e to procedu<br>I as evidence<br>ing valves, v<br>fileat sink. (<br>vill not be op<br>harger has tr<br>bf why 111 h<br>eactor trip.<br>Facility F                             | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Correct. (A)<br>erated locally w/o<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb        | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa<br>o tripping pro<br>correct - Whi<br>e that, the im<br>ethat, the im | e immediate opera<br>d DC Bus voltage<br>osure of MFRVs re<br>fe shutdown equip<br>tection if an opera<br>le it may be desire<br>mediate concern i<br>rence Section   | tion of system<br>indicator. Los<br>sults in or req<br>ment on Train<br>ble train is av<br>able to cross-<br>is the failure o  | i compone<br>s of ESF i<br>in D is not<br>allable. (B<br>tie DC Bu<br>f all FRVs  | DC results in<br>mmediate<br>affected by<br>) Incorrect -<br>isses at som<br>s on Unit 1,                         | h.<br>ho<br>ie   |
| Explan   | atement:<br>nation of<br>ers:  | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mu<br>lowering S  | perform withou<br>IC Bus 111 has<br>to the main fee<br>p due to potem<br>C power. Train<br>s exist that the<br>st first determin<br>SG level and in  | It references<br>occurrected regulat<br>tiat loss of<br>A equip we<br>battery content<br>mainent references                 | e to procedu<br>I as evidence<br>ing valves, v<br>fileat sink. (<br>vill not be op<br>harger has tr<br>bf why 111 h<br>eactor trip.<br>Facility F                             | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Correct. (A)<br>erated locally w/o<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb        | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa<br>o tripping pro<br>correct - Whi<br>e that, the im<br>ethat, the im | e immediate opera<br>d DC Bus voltage<br>osure of MFRVs re<br>fe shutdown equip<br>tection if an opera<br>le it may be desire<br>mediate concern i<br>rence Section   | tion of system<br>indicator. Los<br>sults in or req<br>ment on Train<br>ble train is av<br>able to cross-<br>is the failure o  | i compone<br>s of ESF i<br>in D is not<br>allable. (B<br>tie DC Bu<br>f all FRVs  | DC results in<br>mmediate<br>affected by<br>) Incorrect -<br>isses at som<br>s on Unit 1,                         | ho<br>ie         |
| Explan<br>Answe  | atement:<br>nation of<br>ers:<br>mal Opera   | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mu<br>lowering S  | perform withou<br>C Bus 111 has<br>to the main fee<br>p due to poten<br>C power. Train<br>s exist that the<br>st first determir<br>SG level and im<br><b>Title</b>                         | It references<br>occurrected regulat<br>tiat loss of<br>A equip we<br>battery content<br>mainent references                 | e to procedu<br>I as evidence<br>ing valves, v<br>fileat sink. (<br>vill not be op<br>harger has tr<br>bf why 111 h<br>eactor trip.<br>Facility F                             | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Correct. (A)<br>erated locally w/o<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb        | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa<br>o tripping pro<br>correct - Whi<br>e that, the im<br>ethat, the im | e immediate opera<br>d DC Bus voltage<br>osure of MFRVs re<br>fe shutdown equip<br>tection if an opera<br>le it may be desire<br>mediate concern i<br>rence Section   | tion of system<br>indicator. Los<br>sults in or req<br>ment on Train<br>ble train is av<br>able to cross-<br>is the failure o  | i compone<br>s of ESF i<br>in D is not<br>allable. (B<br>tie DC Bu<br>f all FRVs  | DC results in<br>mmediate<br>affected by<br>) Incorrect -<br>isses at som<br>s on Unit 1,                         | h.<br>ho<br>ie   |
| Explar<br>Answe<br>Answe<br>Abnorn<br>Materia                                | atement:<br>nation of<br>ers:<br>mal Opera<br>al Require                           | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mu<br>lowering S<br>Reference<br>ting Proc -                                      | perform withou<br>C Bus 111 has<br>to the main fee<br>p due to poten<br>C power. Train<br>s exist that the<br>st first determin<br>SG level and im<br>Title<br>Loss of DC Bus<br>nination  | t references<br>s occurrected regulations of<br>A equip were status of<br>noninent references<br>s                          | e to procedu<br>l as evidence<br>ing valves, v<br>fiteat sink. (<br>vill not be op<br>harger has tr<br>of why 111 h<br>eactor trip.<br>Facility F<br>IBwOA ELE                | ures those action<br>ed by annunciato<br>which fail closed.<br>D) Conect. (A)<br>erated locally w/<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb<br>C-1   | r 1-21-E6 an<br>Resulting clo<br>neorrect - sa<br>o tripping pro<br>correct - Whi<br>e that, the im<br>er, Refe      | e immediate opera<br>d DC Bus voltage<br>osure of MFRVs re<br>fe shutdown equip<br>tection if an opera<br>le it may be desire<br>mediate concern i<br>rence Section   | tion of system<br>indicator. Los<br>sults in or req<br>ment on Trai<br>ble train is av-<br>able to cross-<br>is the failure o  | Components of ESF I<br>uired an i<br>allable. (B<br>tie DC Bu<br>of all FRVs<br>Revision<br>100   | ents and<br>DC results ir<br>mmediate<br>affected by<br>) Incorrect -<br>isses at som<br>on Unit 1,<br>on L.O. Nu | no<br>ne<br>mber |
| Answe<br>Answe<br>Abnorn<br>Materia<br>Questic                               | atement:<br>nation of<br>ers:<br>mal Opera<br>al Require                           | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mu<br>lowering S<br>Reference<br>ting Proc -                                      | perform withou<br>C Bus 111 has<br>to the main fee<br>p due to poten<br>C power. Train<br>is exist that the<br>st first determin<br>SG level and im<br>Title<br>Loss of DC Bus             | t references<br>s occurrected regulations of<br>A equip were status of<br>noninent references<br>s                          | e to procedu<br>l as evidence<br>ing valves, v<br>fiteat sink. (<br>vill not be op<br>harger has tr<br>of why 111 h<br>eactor trip.<br>Facility F<br>IBwOA ELE                | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Correct. (A)<br>erated locally w/o<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb        | r 1-21-E6 an<br>Resulting clo<br>neorrect - sa<br>o tripping pro<br>correct - Whi<br>e that, the im<br>er, Refe      | e immediate opera<br>d DC Bus voltage<br>osure of MFRVs re<br>fe shutdown equip<br>tection if an opera<br>le it may be desire<br>mediate concern i<br>rence Section   | tion of system<br>indicator. Los<br>sults in or req<br>ment on Trai<br>ble train is av-<br>able to cross-<br>is the failure o  | Components of ESF I<br>uired an i<br>allable. (B<br>tie DC Bu<br>of all FRVs<br>Revision<br>100   | DC results in<br>mmediate<br>affected by<br>) Incorrect -<br>isses at som<br>s on Unit 1,                         | no<br>ne<br>mber |
| Answe<br>Answe<br>Abnorn<br>Materia<br>Questic                               | atement:<br>nation of<br>ers:<br>mal Opera<br>al Require                           | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mu<br>lowering S<br>Reference<br>ting Proc -                                      | perform withou<br>C Bus 111 has<br>to the main fee<br>p due to poten<br>C power. Train<br>is exist that the<br>st first determin<br>SG level and im<br>Title<br>Loss of DC Bus             | t references<br>s occurrected regulations of<br>A equip were status of<br>noninent references<br>s                          | e to procedu<br>l as evidence<br>ing valves, v<br>fiteat sink. (<br>vill not be op<br>harger has tr<br>of why 111 h<br>eactor trip.<br>Facility F<br>IBwOA ELE                | ures those action<br>ed by annunciato<br>which fail closed.<br>D) Conect. (A)<br>erated locally w/<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb<br>C-1   | r 1-21-E6 an<br>Resulting clo<br>neorrect - sa<br>o tripping pro<br>correct - Whi<br>e that, the im<br>er, Refe      | e immediate opera<br>d DC Bus voltage<br>osure of MFRVs re<br>fe shutdown equip<br>tection if an opera<br>le it may be desire<br>mediate concern i<br>rence Section   | tion of system<br>indicator. Los<br>sults in or req<br>ment on Trai<br>ble train is av-<br>able to cross-<br>is the failure o  | Components of ESF I<br>uired an i<br>allable. (B<br>tie DC Bu<br>of all FRVs<br>Revision<br>100   | ents and<br>DC results ir<br>mmediate<br>affected by<br>) Incorrect -<br>isses at som<br>on Unit 1,<br>on L.O. Nu | no<br>ne<br>mber |
| Answe<br>Answe<br>Abnorn<br>Materia<br>Questic                               | atement:<br>nation of<br>ers:<br>mal Opera<br>al Require<br>on Source<br>on Source | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mus<br>lowering S<br>Reference<br>ting Proc -                                     | perform withou<br>C Bus 111 has<br>to the main fee<br>p due to poten<br>C power. Train<br>s exist that the<br>st first determin<br>SG level and im<br>Title<br>Loss of DC Bus<br>nination  | t references<br>s occurrected regulations of<br>A equip were status of<br>noninent references<br>s                          | e to procedu<br>l as evidence<br>ing valves, v<br>fiteat sink. (<br>vill not be op<br>harger has tr<br>of why 111 h<br>eactor trip.<br>Facility F<br>IBwOA ELE                | ures those action<br>ed by annunciato<br>which fail closed.<br>D) Conect. (A)<br>erated locally w/<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb<br>C-1   | r 1-21-E6 an<br>Resulting clo<br>neorrect - sa<br>o tripping pro<br>correct - Whi<br>e that, the im<br>er, Refe      | e immediate opera<br>d DC Bus voltage<br>osure of MFRVs re<br>fe shutdown equip<br>tection if an opera<br>le it may be desire<br>mediate concern i<br>rence Section   | tion of system<br>indicator. Los<br>sults in or req<br>ment on Trai<br>ble train is av-<br>able to cross-<br>is the failure o  | Components of ESF I<br>uired an i<br>allable. (B<br>tie DC Bu<br>of all FRVs<br>Revision<br>100   | ents and<br>DC results ir<br>mmediate<br>affected by<br>) Incorrect -<br>isses at som<br>on Unit 1,<br>on L.O. Nu | no<br>ne<br>mber |
| Explan<br>Answe<br>Answe<br>Abnorn<br>Materia<br>Questic<br>Questic<br>Comme | atement:<br>nation of<br>ers:<br>mal Opera<br>al Require                           | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mus<br>lowering S<br>Reference<br>ting Proc -<br>ad for Exan<br>e New<br>e Commen | perform withou<br>IC Bus 111 has<br>to the main fee<br>p due to poten<br>C power. Train<br>s exist that the<br>st first determir<br>SG level and in<br>Title<br>Loss of DC Bus<br>nination | It references<br>s occurrected regulat<br>tial loss of<br>A equip we<br>battery che<br>status of<br>nminent references<br>s | e to procedu<br>l as evidence<br>ing valves, v<br>fileat sink. (<br>vill not be op<br>harger has tr<br>of why 111 h<br>eactor trip.<br>Facility F<br>1BwOA ELEC<br>estion Mod | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Correct. (A)<br>erated locally w/c<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb<br>C-1 | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa<br>o tripping pro<br>correct - Whi<br>e that, the im<br>er Refe       | a immediate operation<br>d DC Bus voltage<br>osure of MFRVs re-<br>fie shutdown equip-<br>tection if an opera-<br>le it may be desire<br>imediate concern in<br>rence Section<br>ch A   | tion of system<br>indicator. Los<br>isults in or req<br>ment on Train<br>ble train is av-<br>able to cross-<br>is the failure of<br>Page No.   | compone<br>ss of ESF I<br>uired an i<br>n B is not<br>ailable. (B<br>tie DC Bu<br>f all FRVs<br>[<br>[<br>[<br>]<br>[<br>]<br>[<br>]<br>[<br>]<br>[<br>]<br>[<br>]<br>[<br>]<br>]<br>[<br>]<br>]<br>[<br>]<br>]<br>[<br>]<br>]<br>[<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]  | ents and<br>DC results ir<br>mmediate<br>affected by<br>) Incorrect -<br>isses at som<br>on Unit 1,<br>on L.O. Nu | no<br>ne<br>mber |
| Answe<br>Answe<br>Abnorn<br>Materia<br>Questic                               | atement:<br>nation of<br>ers:<br>mal Opera<br>al Require<br>on Source<br>on Source | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mus<br>lowering S<br>Reference<br>ting Proc -<br>ad for Exan<br>e New<br>e Commen | perform withou<br>IC Bus 111 has<br>to the main fee<br>p due to poten<br>C power. Train<br>s exist that the<br>st first determir<br>SG level and in<br>Title<br>Loss of DC Bus<br>nination | It references<br>s occurrected regulat<br>tial loss of<br>A equip we<br>battery che<br>status of<br>nminent references<br>s | e to procedu<br>l as evidence<br>ing valves, v<br>fileat sink. (<br>vill not be op<br>harger has tr<br>of why 111 h<br>eactor trip.<br>Facility F<br>1BwOA ELEC<br>estion Mod | ures those action<br>ed by annunciato<br>which fail closed.<br>D) Conect. (A)<br>erated locally w/<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb<br>C-1   | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa<br>o tripping pro<br>correct - Whi<br>e that, the im<br>er Refe       | a immediate operation<br>d DC Bus voltage<br>osure of MFRVs re-<br>fie shutdown equip-<br>tection if an opera-<br>le it may be desire<br>imediate concern in<br>rence Section<br>ch A   | tion of system<br>indicator. Los<br>isults in or req<br>ment on Trai<br>ble train is av<br>able to cross-<br>is the failure o<br>Page No.<br>3<br>3<br>4<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9    | compone<br>ss of ESF I<br>uired an i<br>n B is not<br>ailable. (B<br>tie DC Bu<br>f all FRVs<br>[<br>[<br>[<br>]<br>[<br>]<br>[<br>]<br>[<br>]<br>[<br>]<br>[<br>]<br>[<br>]<br>]<br>[<br>]<br>]<br>[<br>]<br>]<br>[<br>]<br>]<br>[<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>]<br>]<br>[<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]<br>]  | DC results ir<br>mmediate<br>affected by<br>) Incorrect -<br>isses at som<br>on Unit 1,<br>on L.O. Nu             | no<br>ne<br>mber |
| Explan<br>Answe<br>Answe<br>Abnorn<br>Materia<br>Questic<br>Questic<br>Comme | atement:<br>nation of<br>ers:<br>mal Opera<br>al Require<br>on Source<br>on Source | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mus<br>lowering S<br>Reference<br>ting Proc -<br>ad for Exan<br>e New<br>e Commen | perform withou<br>IC Bus 111 has<br>to the main fee<br>p due to poten<br>C power. Train<br>s exist that the<br>st first determir<br>SG level and in<br>Title<br>Loss of DC Bus<br>nination | It references<br>s occurrected regulat<br>tial loss of<br>A equip we<br>battery che<br>status of<br>nminent references<br>s | e to procedu<br>l as evidence<br>ing valves, v<br>fileat sink. (<br>vill not be op<br>harger has tr<br>of why 111 h<br>eactor trip.<br>Facility F<br>1BwOA ELEC<br>estion Mod | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Correct. (A)<br>erated locally w/c<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb<br>C-1 | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa<br>o tripping pro<br>correct - Whi<br>e that, the im<br>er Refe       | a immediate operation<br>d DC Bus voltage<br>osure of MFRVs re-<br>fie shutdown equip-<br>tection if an opera-<br>le it may be desire<br>imediate concern in<br>rence Section<br>ch A   | tion of system<br>indicator. Los<br>isults in or req<br>ment on Trai-<br>ble train is av-<br>able to cross-<br>is the failure o<br>Page No.  | a compone<br>so of ESF I<br>uired an i<br>allable. (B<br>tie DC Bu<br>of all FRVs<br>all FRVs | Complete  | no<br>ne<br>mber |
| Explan<br>Answe<br>Answe<br>Abnorn<br>Materia<br>Questic<br>Questic<br>Comme | atement:<br>nation of<br>ers:<br>mal Opera<br>al Require<br>on Source<br>on Source | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mus<br>lowering S<br>Reference<br>ting Proc -<br>ad for Exan<br>e New<br>e Commen | perform withou<br>IC Bus 111 has<br>to the main fee<br>p due to poten<br>C power. Train<br>s exist that the<br>st first determir<br>SG level and in<br>Title<br>Loss of DC Bus<br>nination | It references<br>s occurrected regulat<br>tial loss of<br>A equip we<br>battery che<br>status of<br>nminent references<br>s | e to procedu<br>l as evidence<br>ing valves, v<br>fileat sink. (<br>vill not be op<br>harger has tr<br>of why 111 h<br>eactor trip.<br>Facility F<br>1BwOA ELEC<br>estion Mod | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Correct. (A)<br>erated locally w/c<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb<br>C-1 | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa<br>o tripping pro<br>correct - Whi<br>e that, the im<br>er Refe       | a immediate operation<br>d DC Bus voltage<br>osure of MFRVs re-<br>fie shutdown equip-<br>tection if an opera-<br>le it may be desire<br>imediate concern in<br>rence Section<br>ch A   | tion of system<br>indicator. Los<br>isults in or req<br>ment on Train<br>ble train is av-<br>able to cross-<br>is the failure of<br>Page No.<br>3<br>3<br>3<br>4<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9 | Component Compo   | Complete  | no<br>ne<br>mber |
| Explan<br>Answe<br>Answe<br>Abnorn<br>Materia<br>Questic<br>Questic<br>Comme | atement:<br>nation of<br>ers:<br>mal Opera<br>al Require<br>on Source<br>on Source | Ability to<br>controls.<br>Loss of D<br>loss of IA<br>loss of DC<br>indication<br>point, mus<br>lowering S<br>Reference<br>ting Proc -<br>ad for Exan<br>e New<br>e Commen | perform withou<br>IC Bus 111 has<br>to the main fee<br>p due to poten<br>C power. Train<br>s exist that the<br>st first determir<br>SG level and in<br>Title<br>Loss of DC Bus<br>nination | It references<br>s occurrected regulat<br>tial loss of<br>A equip we<br>battery che<br>status of<br>nminent references<br>s | e to procedu<br>l as evidence<br>ing valves, v<br>fileat sink. (<br>vill not be op<br>harger has tr<br>of why 111 h<br>eactor trip.<br>Facility F<br>1BwOA ELEC<br>estion Mod | ures those action<br>ed by annunciato<br>vhich fail closed.<br>D) Correct. (A)<br>erated locally w/c<br>ripped off. (C) In<br>as tripped. Befor<br>Reference Numb<br>C-1 | r 1-21-E6 an<br>Resulting clo<br>ncorrect - sa<br>o tripping pro<br>correct - Whi<br>e that, the im<br>er Refe       | a immediate operation<br>d DC Bus voltage<br>osure of MFRVs re-<br>fie shutdown equip-<br>tection if an opera-<br>le it may be desire<br>imediate concern in<br>rence Section<br>ch A   | tion of system<br>indicator. Los<br>isults in or req<br>ment on Trai-<br>ble train is av-<br>able to cross-<br>is the failure of<br>Page No.   | a compone<br>so of ESF I<br>uired an i<br>allable. (B<br>tie DC Bu<br>of all FRVs<br>all FRVs | Complete  | no<br>ne<br>mber |

| Which of the following transients is analyzed to result in the highest containment pressure AND greatest teskage out of containment?  |         |  | ss of Containment I<br>transients is analyz     |  | hest containment pres                           | sure AND greatest lea                          | kage out of con                          | tainment?   |  |
|---|---------|--|---|--|---|--|--|---|--|
| B:       Design basis Steam Line Break Inside containment         B:       Inadvertant containment spray actuation         B:       Pressurizer vapor space LOCA         Answer       a         KA:       000009x101         AK1.01       RO Value:         2.6       SRO Value:         3.1       Section:         EPE       RO Group:         1       SRO Group:         System/Evolution Title       Loss of Containment Integrity         Central rate       Containment Integrity         Effect of pressure on leak rate       Explanation of         Worst case LOCA generates larger mass and energy release than the worst case steam line break. Indivertant CS actuation would         Reference Title       Pacility Reference Number         Material Specifications       3.6.4         Basis       B.3.6.4-1         Outstion Source:       Facility Exam Bank         Question Source:       Facility Exam Bank         Question Source:       Facility Exam Bank         Question Source Commants       2000 Bwd NRC         Comment Ty  |         |  |   |  |   |  |  |   |  |
| b:       Design basis Steam Line Break inside containment         b:       Inadvertant containment spray actuation         d:       Pressurizer vapor space LOCA         Answer       a         KA:       000009K101         AK1.01       RO Value:         2.6       SRO Value:         3.1       Section:         EPE       RO Group:         1       System/Evolution Title         Less of Containment Integrity       069         KA:       concepts as they apply to Loss of Containment Integrity         Effect of pressure on leak rate       069         Explanation of       Worst case LOCA generates larger mass and energy release than the worst case steam line break, indivertant CS actuation would         Reference Title       Facility Reference Number       Reference Section         FR-Z Containment       11-FR-XL-05       II       2         I       additions Source:       Facility Exam Bank       Question Modification Method:       Direct From Source       Used During Training Program         Question Source:       Facility Exam Bank       Question Modification Method:       Direct From Source       Used During Training Program         Question Source:       Facility Exam Bank       Question Modification Method:       Direct From Source       Used Du   | 1       |  |   |  |   |  |  |   |  |
| b:       Design basis Steam Line Break inside containment         b:       Design basis Steam Line Break inside containment         c:       Inadvertant containment spray actuation         d:       Pressurizer vapor space LOCA         Answer       a         Exam Level       B         Cognitive Level       Memory         Facility:       Braidwood         EXam Date:       7/19/02         KA:       000069k101         AK1.01       RO Values         2.6       SRO Values         3.1       Section:         EPE       RO Grouph:         1       SRO Grouph:         KA:       000069k101         Aktion       Roo Grouph:         KA:       Statement:         Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:         Effect of pressure on leak rate         Explanation or         Worst case LOCA generates larger mass and energy release than the worst case steam line break, indiverant CS actuation would         Ariswers:       Containment         [FR-Z Containment       [1+FR-XL-05         [FR-Z Containment       [1+FR-XL-05         [FR-Z Containment       [1+FR-XL-05  | ~       |  |   |  |   |  |  |   |  |
| b:       Design basis Steam Line Break inside containment         b:       Inadvertant containment spray actuation         d:       Pressurizer vapor space LOCA         Answer       a         Exam Lavel       B         Cognitive Level       Memory         Facility:       Braidwood         EXam Lavel       B         Cognitive Level       Memory         Facility:       Braidwood         KA:       000069K101         AK1.01       RO Value:         2.6       SRO Value:         3.1       Section:         EPE       RO Group:         1       SRO Group:         System/Evolution Trills       Loss of Containment Integrity         Effect of pressure on leak rate       Generates larger mass and energy release than the worst case steam line break, indivertant CS actuation would         Answerst       Cause pressure to decrease, even if all RCP seals failed a DB LOCA is a larger mass and energy release.         Reference Title       Facility Reference Number       Reference Section       Page No.         Revision       Loc All Basis       B3.6.4-1       0         Technical Specifications       3.6.4       Basis       B3.6.4-1       0         Material Required for Examination <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>  |         |  |   |  |   |  |  |   |  |
| Big       Design basis Steam Line Break inside containment         Big       Design basis Steam Line Break inside containment         Big       Inadvertant containment spray actuation         Big       Pressurizer vapor space LOCA         Answer       a Exam Lavel       B Cognitive Level       Memory       Facility:       Braidwood       ExamDate:       7/19/02         KA:       000069K101       AK1.01       RO Value?       2.6       SRO Value?       3.1       Section:       EPE       RO Group:       1         System/Evolution Title       Loss of Containment Integrity       069       069       069       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       Effect of pressure on leak rate       Explanation of         Kortause pressure to decrease, even if all RCP seals failed a DB LOCA is a larger mass and energy release.       Section:       Page No.       Revision: L.O. Number         FR-Z Containment       11-FR-XL-05       II       2       1       3         Technical Specifications       3.6.4       Basis       B3.6.4-1       0       1       3         Material Required for Examination       Ionect From Source       Used During Training Program       1       3       1  |         |  |   |  |   |  |  |   |  |
| B:       Design basis Steam Line Break inside containment         B:       Inadvertant containment spray actuation         B:       Pressurizer vapor space LOCA         Answer       a       Exam Level       B       Cognitive Level       Memory       Facility:       Braidwood       ExamDate:       7/19/02         KA:       000069K101       AK1.01       RO Value?       2.6       SRO Value?       3.1       Section:       EPE       RO Group?       1       SRO Group?       1       1  | a.      | Design basis LC  | ICA .   |  |   |  | e en |   |  |
| Answer     Answer     Answer     Arswer     Arswer | b.      | Design basis St  | am Line Break insi                              | de containment                                 | <br>Restances in some                           | nan el arcato el l'Actor Arcato                |  |   | and the state of the second            |
| d)       Pressurizer vapor space LOCA         Answer       a       Exam Level       B       Cognitive Level       Memory       Facility:       Braidwood       ExamDate:       7/19/02         KA:       000069K101       AK1.01       RO Value:       2.6       SRO Value:       3.1       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Loss of Containment Integrity:       069       069       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         Explanation of       Worst case LOCA generates larger mass and energy release than the worst case steam line break. Inadvertant CS actuation would Answers:       Cause pressure to decrease, even if all RCP seals failed a DB LOCA is a larger mass and energy release.         Reference Title       Facility Reference Number       Reference Section       Page Noc.       Revision       O.         FR-Z Containment       11-FR-XL-05       II       2       1       3         Technical Specifications       3.6.4       Basis       B3.6.4-1       0         Material Required for Examination   | C.      | Inadvertant cont   | ainment spray actua                             | ation  |   | ter en en stade de la des t                    |  |   |  |
| Answer       a       Exam Level       B       Cognitive Level       Memory       Facility:       Braidwood       ExamDate:       7/19/02         KA:       000069K101       AK1.01       RO Value:       2.6       SRO Value:       3.1       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Loss of Containment Integrity       069       069       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         Explanation of       Worst case LOCA generates larger mass and energy release than the worst case steam line break. Inadvertant CS actuation would Ariswers:       Containment Integrity:       0         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision LO. Number         FR-Z Containment       I1-FR-XL-05       II       2       1       3         Technical Specifications       3.6.4       Basis       B.3.6.4-1       0       1         Material Required for Examination  |         |  |   |  |   |  | ng Information and an ann                | নান্দ্রন প্রকার 🕮   | uus sir tier dürge                     |
| KA:       000069K101       AK1.01       RO Value?       2.6       SRO Value?       3.1       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Loss of Containment Integrity       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         Explanation of       Worst case LOCA generates larger mass and energy release than the worst case steam line break. Inadvertant CS actuation would       147002         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number         FR-Z Containment       11-FR-XL-05       II       2       1       3         Question Source:       Facility Exa  | α.      | Pressurizer vapo   | r space LOCA                                    |  | n a segr  | n or en    |  |   | na a binn bi<br>Tara an ann            |
| KA:       000069K101       AK1.01       RO Value:       2.6       SRO Value:       3.1       Section:       EPE       RO.Group:       1       SRO Group:       1         System/Evolution Title       Loss of Containment Integrity       069       069       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA Statement:       Worst case LOCA generates larger mass and energy release than the worst case steam line break. Inadvertant CS actuation would cause pressure to decrease, even if all RCP seals failed a DB LOCA is a larger mass and energy-release.       0.0         Reference Title       Facility Reference Number       Reference Section       Page No       Revision LO. Number         FR-Z Containment       II-FR-XL-05       II   | Answe   | er a Exam  | Level B   | Cognitive Level                                | Nemory F  | cility: Braidwood                              | Exam                                     | Date:   | 7/10/01                                |
| System/Evolution Title       Loss of Containment Integrity       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:       069         KA Statement:       Knowledge of the operational implications of cause pressure to decrease, even if all RCP seals failed a DB LOCA is a larger mass and energy release.       0         Ka Statement:       Reference Section       Page No.       Revision       L.O. Number         FR-Z Containment       In-FR-XL-05       II       2       1       3         Itechnical Specifications       3.6.4       Basis       B.3.6.4-1       0       0         Question Sour   | KA:     | 000069K101   | AK1.01  | RO Valúe: 2.6                                  | SRO Value: 3.1                                  | Section: EPE                                   |  |   |  |
| KA Statement:       Knowledge of the operational implications of the following concepts as they apply to Loss of Containment Integrity:         Explanation of Answers:       Worst case LOCA generates larger mass and energy release than the worst case steam line break. Inadvertant CS actuation would cause pressure to decrease, even if all RCP seals failed a DB LOCA is a larger mass and energy release.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number         FR-Z Containment       II       2       1       3       1       3       1       3       1       3       1       3       1       3       1       3       1       3       1       3       1       3       1       3       1       3       1       3       1       3       1       3       1       3       1       1       1       1       3       1       1       1       3       1       1       1       1       1       3       1       1       1       3       1       1       1       1       3       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1  | Systen  | n/Evolution Title  | Loss of Contain                                 | f and a second                                 |   |  |  |   |  |
| Explanation of<br>Answers:       Worst case LOCA generates larger mass and energy release than the worst case steam line break. Inadvertant CS actuation would<br>cause pressure to decrease, even if all RCP seals failed a DB LOCA is a larger mass and energy release.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision L.O. Number         FR-Z Containment       I1-FR-XL-05       II       2       1       3         Technical Specifications       3.6.4       Basis       B.3.6.4-1       0         Material Required for Examination       Image Reference Comments       2000 Bwd NRC       Image Reviews Complete         Comment Type       Comment       2000 Bwd NRC       Image Reviews Complete       Peer         Supervisory       Facility       Complete       Peer       Supervisory  |         | Sector Se | edge of the operatio                            | nal implications of the                        | e following concepts a                          |  |  |   | ······································ |
| Reference Title       Pacific alors named a DS ECCA IS à larger mass and energy-release.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       L.O. Number         FR-Z Containment       11-FR-XL-05       1       2       1       3         Technical Specifications       3.6.4       Basis       B.3.6.4-1       0         Material Required for Examination  |         |  | n pressure on leak                              | rate   | the fact of the state                           | . *  | Charles and the second                   | State and the second second   |  |
| Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       L.O. Number         FR-Z Containment       11-FR-XL-05       II       2       1       3         Technical Specifications       3.6.4       Basis       B.3.6.4-1       0         Material Required for Examination  | Answe   | cause  | pressure to decreas                             | es larger mass and e<br>e, even if all RCP sea | nergy release than the<br>is failed a DB LOCA i | worst case steam line<br>s a larger mass and e | e break. Inadver<br>nergy release.       | tant CS actuat  | ion would                              |
| FR-Z Containment       I1-FR-XL-05       II       2       1       3         Technical Specifications       3.6.4       Basis       B.3.6.4-1       0         Material Required for Examination  |         |  |   |  |   |  |  |   |  |
| Technical Specifications       3.6.4       Basis       B.3.6.4.1       0         Material Required for Examination  | FR-Z C  | terre content of the second of |   |  |   | Г.,  |  | The second | 10.010.000                             |
| Material Required for Examination         Question Source:       Facility Exam Bank         Question Source Comments       2000 Bwd NRC         Comment Type       Comment         Reviews Complete       Peer         Supervisory       Facility   | Technic | cal Specifications   |   | 3.6.4  | 4.,   |  |  |   | 1                                      |
| Question Source:       Facility Exam Bank       Question Modification Method:       Direct From Source       Used During Training Program         Question Source Comments       2000 Bwd NRC         Comment Type       Comment  |         |  |   |  | ]   |  |  |   |  |
| Question Source Comments       2000 Bwd NRC         Comment Type       Comment  | Materia | I Required for Ex  | amination                                       |  |   |  |  | ,   |  |
| Question Source Comments       2000 Bwd NRC         Comment Type       Comment  | Questio | on Source: Fa  | cility Exam Bank                                | Question Modifi                                | cation Method:                                  | Firect From Source                             | Used Durin                               | g Training Pr   | ogram                                  |
| Reviews Complete Peer Supervisory Facility  | Questio | on Source Comm   | ants 2000 Bwd N                                 | IRC  |   |  |  |   |  |
| Reviews Complete       Peer       Supervisory       Facility  |         |  |   |  |   |  |  |   |  |
| Supervisory<br>Facility   | Comme   | ent Type Comn  | ient  |  |   |  | F  | eviews Com  | olete                                  |
|   |         |  |   |  |   |  |  | 'eer  |  |
|   |         | <u></u>  | 544-747-94-94-94-94-94-94-94-94-94-94-94-94-94- |  |   |  |  |   |  |
|   | [ ]     |  |   |  |   |  |  | acility   |  |

|  | ore cooling situation, w<br>gligible delta-T exists t  | between in                                 | e RCS and th   | e steam genera   | ators)  |   |              |                                  |  |                           |  |
|--|--|--|--|--|---|---|--------------|----------------------------------|--|---------------------------|--|
| 1  |  |  |  |  |   |   |              |                                  |  |                           |  |
|  |  |  |  |  |   |   |              |                                  |  |                           |  |
|  |  |  |  |  |   |   |              |                                  |  |                           |  |
| <b>a.</b> 285 psig   | 9  |  |  | s e berge  |   |   |              |                                  |  | ·                         |  |
| <b>b</b> , 465 psig  | 9  | lin en | unis in to trabase   | - 441. I.S. (S. 1894)  | x13)  |   |              | Sty                              | n John and Dig                         | hin e Biten               |  |
| <b>c.</b> 665 psig   |  | · · · · · · · · · · · · · · · · · · ·      | u si   |  |   |   |              |                                  | ······································ |                           |  |
| <b>d.</b> 785 psig   |  |  |  |  |   |   | 1992 - Hills | n melandi<br>T                   | ner gyven af fe                        | n in Arthorna             | ski viz  |
|  |  | · · · · · ·                                | ··· 1  | • •  |   |   |              | •                                |  |                           |  |
| Answer a   | Exam Level B   | Cogni                                      | itive Level  | Application  | F   | acility: B                                | raidwood     | Exa                              | mDate:                                 |                           | 7/19/0   |
| KA: 000074K  |  | ROV  | alue: 2.8  | SRO Value:   | 3.1   | Section:                                  | EPE          | RO Group                         |  | RO Grou                   |  |
| System/Evolution   | on Title Inadequate  | e Core Coc                                 | ling   | والانتصار والأله   |   |   |              | Contraction of the second second |  |                           | <b>E</b> 1   |
|  |  |  |  |  |   |   |              |                                  | - SHAMALI                              | strature de la            | 074  |
| KA Statement:  | Knowledge of the op  | erational in                               | plications of i  |  | oncepts a   | s they apply                              | / to Inadequ | ate Core Co                      | oling: (1946)                          | eline al c<br>Rich Carrie | 074  |
| Explanation of   | Knowledge of the op<br>Definition of subcoole<br>calculated value with   | the steam                                  | tables for a p   | the following co   | oncepts a   | s they apply                              | · . 5 · .    |                                  | oling: 11465                           | f<br>NAG: 1924-1935       | 51,31,3  |
| Explanation of<br>Answers:   | calculated value with<br>417°F is 300 psia = 2   | the steam<br>85 psig                       | tables for a p   | the following co   | oncepts a   | s they apply                              | · . 5 · .    |                                  | oling: 11465                           | f<br>NAG: 1924-1935       | 51,31,3  |
| Explanation of Answers:  | calculated value with<br>417°F is 300 psia = 2<br>Reference Title  | the steam<br>85 psig                       | tables for a pr  | the following co   | psig. (500  | s they apply                              | sat of 467°F |                                  | oling: 13 100<br>ooled is 417          | 7°F Psat f                | for :  |
| Explanation of<br>Answers:   | calculated value with<br>417°F is 300 psia = 2<br>Reference Title  | the steam<br>85 psig                       | tables for a pr  | the following contract of 485  | psig. (500  | s they apply<br>D psia has T              | sat of 467°F | F. 50°F subc<br>sates - asg      | oling: 13 100<br>ooled is 417          | f<br>NAG: 1924-1935       | for :  |
| Explanation of Answers:  | calculated value with<br>417°F is 300 psia = 2<br>Reference Title  | the steam<br>85 psig                       | tables for a pr  | the following co<br>ressure of 485<br>Reference Nur                    | psig. (500  | s they apply<br>D psia has T              | sat of 467°F | F. 50°F subc<br>sates - asg      | oling: 13 100<br>ooled is 417          | 7°F Psat f                | for :  |
| Explanation of<br>Answers:<br>Inadequate Core<br>Steam Tables  | calculated value with<br>417°F is 300 psia = 2<br>Reference Title<br>Cooling LP  | the steam<br>85 psig                       | Tables for a province of the second s | the following co<br>ressure of 485<br>Reference Nur                    | psig. (500  | s they apply<br>D psia has T              | sat of 467°F | F. 50°F subc<br>sates - asg      | ooling: 1                              | 7°F Psat f                | for :  |
| Explanation of<br>Answers:<br>Inadequate Core<br>Steam Tables  | calculated value with<br>417°F is 300 psia = 2<br>Reference Title<br>Cooling LP<br>d for Examination                     | the steam<br>85 psig                       | Facility I         I1-IT-XL-01         Fables  | the following co<br>ressure of 485<br>Reference Nu                     | psig. (500  | s they apply<br>D psia has T<br>Reference | sat of 467°F | 50°F subc                        | ooled is 417                           | 7°F Psat f                | for .<br>Jumber  |
| Explanation of<br>Answers:<br>Inadequate Core<br>Steam Tables<br>Material Require                    | calculated value with<br>417°F is 300 psia = 2<br>Reference Title<br>Cooling LP<br>d for Examination<br>Facility Exam Ba | the steam<br>85 psig                       | tables for a pr<br>Facility I<br>I1-IT-XL-01<br>Fables   | the following co<br>ressure of 485<br>Reference Nur<br>iffication Meth | psig. (500  | s they apply<br>D psia has I<br>Reference | Sat of 467°F | 50°F subc                        | ooling: 1                              | 7°F Psat f                | for .<br>Jumber  |
| Explanation of<br>Answers:<br>Inadequate Core<br>Steam Tables<br>Material Require<br>Question Source | calculated value with<br>417°F is 300 psia = 2<br>Reference Title<br>Cooling LP<br>d for Examination<br>Facility Exam Ba | the steam<br>85 psig                       | tables for a pr<br>Facility I<br>I1-IT-XL-01<br>Fables   | the following co<br>ressure of 485<br>Reference Nu                     | psig. (500  | s they apply<br>D psia has I<br>Reference | Sat of 467°F | 50°F subc                        | ooled is 417                           | 7°F Psat f                | for .<br>Jumber  |
| Explanation of<br>Answers:<br>Inadequate Core<br>Steam Tables<br>Material Require<br>Question Source | calculated value with<br>417°F is 300 psia = 2<br>Reference Title<br>Cooling LP<br>d for Examination<br>Facility Exam Ba | the steam<br>85 psig                       | tables for a prime         Facility I         I1-IT-XL-01         Fables         Fables         tuestion Modes         to determine  | the following co<br>ressure of 485<br>Reference Nur<br>iffication Meth | oncepts a<br>psig. (500<br>mber 10<br>def 10<br>d | s they apply<br>D psia has I<br>Reference | Sat of 467°F | 50°F subc                        | ooled is 417                           | 7°F Psat f                | for standard standa |

| RO SkyScraper SRO Skyscraper  |   | m/Evolution List Outline (                                    | Changes                    | Çriçmi 23                               |
|---|---|---|----------------------------|---|
| Question Topic Inadequate Core  |   |   |                            |   |
| While operating at Rated Thermal Po<br>Core exit thermocouples are indicating | ower, a Large Break LOCA resulting in Containg 800°F and increasing.  | nment Spray actuation occurre                                 | ed on Unit 1.              |   |
| Reducing demand on which of the fo  | llowing controllers will result in REDUCING $lpha$  | ooling flow to the core?                                      |                            |   |
|   |   |   | ****************           |   |
|   |   |   |                            |   |
|   |   |   |                            |   |
| a. 1CV-182, Charging Header Ba  | ckpressure Control Valve.   |   |                            | un                                      |
| <b>b.</b> 1RH-607, RH Heat Exchanger  | Outlet Flow Control Valve   |   |                            |   |
|   |   |   |                            |   |
| C 1RH-619, RH Heat Exchanger  | Bypass Flow Control Valve.  |   |                            |   |
| d. 1RY-455B, Pressurizer Spray \  | /alve.  |   |                            |   |
| Answer b Exam Level B   | Cognitive Level Application   | Facility: Braidwood   | • [                        |   |
| KA: 000074K209 EK2.09   | RO Value: 2.6* SRO Value: 2.6   |   | ExamDate:                  | 7/19/02                                 |
| System/Evolution Title Inadequate   | Core Cooling  | * Section: EPE RO   | Group: 1 SRO G             |   |
| KA Statement: Knowledge of the inte   | errelations between Inadequate Core Cooling   | and the following:  |                            | 074                                     |
| Controllers and Positi  | oners   |   |                            | <u> </u>                                |
| Answers: discharge of the pump  | ng demand on this controller will reduce flow f<br>o and normally aligned 100% open. A. Incorre<br>use this path is isolated. C. human in The | rom the RH pump to be injecte<br>ect. decreasing demand on 10 | ed into the core because i | it is on the                            |
| a spray valve will not  | the first path is isolated. C. Incorrect. This va<br>decrease flow to the core because there will b   | e no RCPs running to affect R                                 | 100% power. D. Incorrect   | t dualing                               |
| Reference Title   | Facility Reference Number   |   |                            |   |
| System big notes  | dwgs CV-1, RH-1   |   | Page No. Revision L.       | O. Number                               |
| Op Action Summary Page  | 1BwEP-0   | Trip RCPs When  |                            |   |
|   |   |   |                            |   |
| Material Required for Examination   | None  |   |                            | <u> </u><br>                            |
| Question Source: New  | Question Modification Method:   |   | sed During Training Pro    | ogram                                   |
| Question Source Comments  |   |   |                            |   |
| Comment Type Comment  |   |   |                            | l                                       |
|   |   |   | Reviews Comp               | lete                                    |
|   |   |   | Peer []                    |   |
|   |   |   | Supervisory<br>Facility    |   |
|   |   |   |                            |   |
|   |   |   |                            | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |

|  | Question Topic  | Control Rod Drive S  | System  |                         |   |                                       |   |  |
|--|---|--|---|-------------------------|---|---------------------------------------|---|--|
|  | The following co  | nditions exist on Unit 1   |   | *****                   |   |                                       |   |  |
|  | <ul> <li>All systems a</li> <li>Without warn</li> <li>Tave begins t</li> <li>Pressurizer p</li> <li>Pressurizer le</li> </ul> | steady state operating o<br>re operating normally ir<br>ing, control rods begin<br>to increase above Tref<br>ressure is increasing<br>evel is increasing | n automatic<br>to step<br>which remains consta  |                         |   |                                       |   |  |
| • • • • • •  |   | s are consistent with wh   |   | ents?                   |   |                                       | . • *   |  |
| The second second second                           | a. One contr  | ol rod has ejected from  | the core  |                         |   | 1911                                  |   |  |
|  | b. A SG POF   | RV has failed open   |   |                         | an a                    |                                       |   |  |
| 14.25  | c. A continuo   | ous rod withdrawl is occ   | urring  |                         | ang ang sing ang ang ang ang ang ang ang ang ang a          |                                       | an a second trady a light                                   | and the second sec |
|  | d. A pressuri:  | zer steam space leak h   | as developed                                    |                         |   |                                       |   |  |
|  | [   | Exam Level B   | Cognitive Level                                 | Comprehension           | acility: Braidwood  | ExamD                                 | late:   | 7/19/02  |
|  | KA: 001000K30   |  | RO Value: 3.4*                                  | SRO Value: 3.5          | Section: SYS  | RO Group:                             | 1 SRO Group:  |  |
|  | System/Evolution  | ······································   |   |                         |   | · · · · · · · · · · · · · · · · · · · | 1.1.17 <sup>1</sup> 2.007.8 <sup>2</sup> 24 00 <sup>1</sup> | <u>ل</u> يستينين (   |
|  | KA Statement: F   | Knowledge of the effect  | that a loss or malfund                          | tion of the Control Rod | Drive System will have or                                   | n the following                       | : control watta   |  |
| tana<br>Singganganganganganganganganganganganganga | Explanation of (<br>Answers:  | A) incorrect - pressurize<br>ave decreased (C) Cor   | er pressure and level<br>rect - all symptoms of | would decrease. (B) inc | orrect - pressurizer pressu<br>e increase (D) incorrect - p | ure.and level                         | would decrease as f   | e andre en   |
|  |   | eference Title   |   | Reference Number        | Reference Section   | · · ·                                 | n e e e e entre e entre est                                 |  |
|  | Rod Control LP  |  | 11-RD-XL-01                                     |                         |   |                                       | Revision         L.O. Nu           2         1,20           | mber i   |
|  |   |  |   |                         |   |                                       |   |  |
| ļ  |   |  |   |                         |   | Ī                                     |   |  |
| - 1  | [7.5.7]   | for Examination  |   |                         |   |                                       |   |  |
| 1  | Question Source:  |  | Question Mod                                    | ification Method:       | Significantly Modified                                      | Used During                           | g Training Program  |  |
|  | Question Source O   | omments  |   |                         |   |                                       |   |  |
|  | Comment Type  | Comment  |   |                         |   | R                                     | eviews Complete   |  |
|  | ••••••••••••••••••••••••••••••••••••••  |  |   |                         |   |                                       | eer 🗋   |  |
|  | ] [.  |  |   |                         |   |                                       | upervisory  |  |
| ).   |   |  | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~         |                         |   |                                       | acility   |  |
|  |   |  |   |                         |   |                                       | -   |  |

|   | A total los               | at 100% reactor<br>is of power has<br>ct does this hav | occurred in dat                   | a cabinet I            | 3 for the Dig | gital Rod Posi  | tion Indication | on (DRPI) Sy     | vstem.         |              |            | *****                          |            |
|---|---------------------------|--|-----------------------------------|------------------------|---------------|-----------------|-----------------|------------------|----------------|--------------|------------|--------------------------------|------------|
|   |                           |  |                                   |                        |               |                 |                 |                  |                |              |            |                                |            |
|   |                           |  |                                   |                        |               |                 |                 |                  |                |              |            |                                |            |
|   | <b>a.</b> Sys             | stem accuracy s  | shifts to +10, -4                 | steps                  |               | 5 .             | · 2.11.         | zadilu (grad     | ·              |              | t ja       | a standard a                   | et. S      |
|   | b. Roc                    | d at Bottom light                                      | ts are LIT for a                  | ll rods                |               | t i in t        | 1               | an sa tina di la | an ar arain.   | jer en joba  | °.4        | · being Agenica                |            |
| naan oo<br>Naan oo oo<br>Marit            | c. DRI                    | PI Urgent failure                                      | e alarm annund                    | ziates                 |               |                 |                 | umpeutger in     |                |              |            |                                |            |
|   |                           |  | ****                              |                        |               |                 |                 |                  | or det ordeted |              |            | in that is a single state.<br> | an da i    |
|   | d. Eve                    | ery other row of                                       |                                   | NOT functi             | on            | 1               |                 |                  |                |              |            |                                |            |
| [   | nswer                     |  | evel B                            | Cognitiv               |               | Memory          | Fac             | ility: Brai      | wood           | Exam         | Date:      | 7/                             | 19/02      |
|   |                           | 000K613  | ·                                 | RO Valı                | ··········    | SRO Value       | : 3.7           | Section:         | SYS R          | O Group:     | 1 SR       | O Group:                       | 1          |
| 5-10-10-10-10-10-10-10-10-10-10-10-10-10- |                           | olution Title  | Control Rod I                     | ~~~~~                  |               |                 | at i shakita    |                  | .1             |              |            | 001                            |            |
| KA  | A Stateme                 | Sint: Knowledge<br>Location                            | ge of the effect<br>and operation | of a loss o<br>of RPIS | r malfunctio  | on on the follo | wing will ha    | ve on the Co     | ntrol Rod D    | rive System  | :          | 1.00-2013                      | in nation  |
|   | xplanation<br>nswers:     | <b>1 of</b> (A) incorr                                 | rect - accuracy                   | for data A             | failure. (B)  | incorrect - ro  | at bottom       | ights for faile  | ire in both c  | abinets or d | ropped roc | 1. (C)                         |            |
|   |                           |  | - error is not in                 | Dourcabi               |               | *****           | *******         |                  |                | er LED ind   | cating rod | position inte                  | estition ( |
|   |                           | Reference  | Title                             |                        | Facility I    | Reference Nu    |                 | Reference S      | ection         | Page No.     |            | n L.O. Num                     |            |
|   |                           |  |                                   |                        | wg ICD-0      |                 |                 |                  | I              |              | 2          |                                |            |
|   |                           | *****  |                                   |                        |               |                 |                 |                  |                |              | <br>       |                                |            |
|   |                           |  |                                   | ······] [              | *****         |                 |                 |                  |                |              | -          |                                |            |
| Ma  | iterial Re                | quired for Exar  | mination                          |                        |               |                 |                 |                  |                |              |            |                                |            |
|   | aterial Red<br>Jestion Sc |  |                                   | ]<br>] Que             | estion Mod    | lification Met  | hod:            |                  |                | Used Duri    | ng Trainin | g Program                      | <br>] []   |
| Qu  | estion So                 |  | /                                 | ] Qui                  | estion Mod    | lification Met  | hod:            |                  |                | Used Duri    | ng Trainin | g Program:                     |            |
| Qui                                       | Jestion So                | ource: New   | /<br><b>nts</b>                   |                        |               |                 |                 |                  |                |              | ng Trainin | g Program:                     |            |
| Qui                                       | estion So                 | ource: New   | /                                 |                        |               | lification Met  |                 |                  |                |              | Reviews (  | g Program<br>Complete          |            |
| Qui                                       | Jestion So                | ource: New   | /<br><b>nts</b>                   |                        |               |                 |                 |                  |                |              |            | Complete                       |            |

| ~             |   |                 |                     |             |                 |                   |                             |               |  |                  |                |                  |   | or a moderate                            | ·                                     |
|---------------|---|-----------------|---------------------|-------------|-----------------|-------------------|-----------------------------|---------------|--|------------------|----------------|------------------|---|--|---------------------------------------|
|               | <b>a.</b>                               | Contain         | ment pres           | sure        |                 |                   |                             |               | · · · · · · ·                            | l state to garge | s to the out   | · · ·            |   |  | etter (C                              |
| • • •         | b.                                      | RCS pre         | ssure               |             |                 | - ·               |                             |               | en e | r State - State  |                | o fan yn amerika | e de la compañía de l | and the second                           |                                       |
| sin s<br>Na s | C.                                      | Contain         | ment radia          | ition       |                 |                   |                             |               | e  | tan sa           |                |                  | e na kana a k   | 1100 (1994)<br>1100 (1994) - 1190 (1996) | entre a                               |
| i i i         | d.                                      | Pressuri        | zer level           |             |                 |                   | -                           |               | 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.   |                  |                |                  |   |  |                                       |
|               | Answe                                   | er c            | Exam L              | evel B      |                 | Cognit            | ive Level                   | Applicati     | on                                       | Facility:        | Braidwood      |                  | amDate:   |  | 19/02                                 |
| ;             | · .                                     | 002000K         |                     | K3.03       | ( <b>#</b> 111) | RO Va             | alue; 4.2                   | 2 SRO V       | alue: 4.6                                | Section          | SYS            | RO Group         |   | RO Group:                                | 2                                     |
| •             |   | n/Evolutio      |                     | Reactor     |                 |                   |                             |               | < .                                      |                  |                | : Sugar og o     |   | 002                                      |                                       |
| • (*          | KA Sta                                  | itement:        | Knowled<br>Containm | ge of the   | effect th       | at a los          | ss or malfur                | iction of the | Reactor Co                               | olant Syste      | em will have o | on the followi   | ng:   |  | لــــــــــــــــــــــــــــــــــــ |
|               | Explan<br>Answei                        | ation of<br>rs: | (C) corre           | ct - only F | RCS lea         | kage w<br>transie | ill cause ac<br>ent (SLB or | tual radiatio | on levels to i                           | icrease. (       | A,B,D) incorre | ect - all three  |   | in the same                              |                                       |
| <u>.</u>      |   |                 | Reference           |             |                 |                   |                             | Reference     |  |                  | ice Section    |                  | **********  | ******                                   | ******                                |
|               | Intro to                                | EPLP            |                     | · · ·       |                 |                   | I1-EP-XL-0                  |               |  | acc ID o         |                | Page N           | o. Revisio  | n L.O. Num                               | ber                                   |
| -1            |   |                 |                     |             |                 | [                 |                             |               |  |                  |                |                  |   |  |                                       |
|               |   |                 |                     |             |                 |                   |                             |               |  | ]                |                |                  |   |  |                                       |
| 17            |   | ******          | d for Exar          |             |                 |                   |                             |               |  |                  |                |                  |   |  |                                       |
|               |   | on Source       |                     | lity Exam   | Bank            |                   | lestion Mo                  | dification I  | Method:                                  | Editorially      | Modified       | Used Du          | ring Trainin  | g Program                                | ]<br>  ]                              |
|               | Questio                                 | n Source        | Commen              | ts          |                 |                   |                             |               |  |                  |                |                  |   |  |                                       |
|               | Commei                                  | nt Type         | Comme               |             |                 |                   |                             |               |  |                  |                |                  | T   | F  |                                       |
|               | 0.0000000000000000000000000000000000000 |                 |                     |             |                 |                   |                             |               | <u> </u>                                 |                  | 2              |                  | Reviews (   | Complete                                 |                                       |
|               |   |                 |                     |             |                 |                   |                             |               |  |                  |                | 1                | Peer  | 1  | 1                                     |

| Т          |                    | SkyScraper                          | SRO Skyscraper   | RO System/Evolution List SRO System/Evolution List Outline Changes   | QNum 239                        |
|------------|--------------------|-------------------------------------|--|--|---------------------------------|
|            | 6.1.C.G. (21.2029) | stion Topic                         | Reactor Coolant S  |  |                                 |
| -          |                    | all break LO<br>nsors availat<br>1) | CA occurs on the reacted by the second secon | ctor vessel and disables train 'A' of Reactor Vessel Level Indication (RVLIS). This loss will re<br>ation to(1) sensors for reactor head level and(2) sensors for reactor vessel p | duce the number<br>lenum level. |
| -          |                    |                                     |  |  |                                 |
|            | a.                 | 2                                   | 6  |  |                                 |
|            | b.                 | 6                                   | 2  |  |                                 |
|            | c.                 | 3                                   | 5  |  |                                 |
|            | d.                 | 5                                   | 3  |  |                                 |
| 2          | Answe              | r a f                               | xam Level B  | Cognitive Level Memory Facility: Braidwood ExamDate:   |                                 |
| ŀ          | (A:                | 002000K603                          | K6.03  |  | 7/19/02                         |
| S          | System             | /Evolution                          | Title Reactor Coo  |  | SRO Group: 2                    |
| K          | (A Sta             | tement: Ki                          | nowledge of the effect<br>eactor vessel level in   | t of a loss or malfunction on the following will have on the Reactor Coolant System:   | 002                             |
|            | xplan<br>Inswei    | ation of or                         | nly 1 train of RVLIS is  | left available of the 2 total. Each train consists of 2 reactor head level indications and 6 reac<br>s (a) only correct answer.  | tor vessel                      |
|            |                    | Ref                                 | erence Title   | Facility Reference Number Reference Section Page No. Revis   |                                 |
|            | T Big              | Notes                               |  | CORE-2 RVLIS 1   | ion L.O. Number                 |
| E          |                    |                                     |  |  |                                 |
|            | oforia             | Danut 16                            |  |  |                                 |
|            |                    | n Source:                           | or Examination   |  |                                 |
| 1          |                    | n Source Co                         | -  | Question Modification Method: Used During Train  | ing Program                     |
| <b>C</b> ( | omme               | nt Type C                           | omment   | Reviews Peer Supervis Facility NRC   |                                 |

| restor              | sure as lev<br>pre seal lea                                     | vel was rai<br>akoff flows   | sed. This ca<br>to normal.  | used Rea  | CS, Volume Cor<br>actor Coolant P  | ump (RCP) #1   | seal leak  | off flow to   | (1)  | , and will re  | quire   | (2)_   | to  |
|---------------------|---|--|---|---|--|--|--|---|--|--|---|--|---|
|                     | _(1)  |  | (2)   |   |  |  |  |   |  |  |   |  |   |
| d.<br>Answei<br>KA: | Increase<br>Increase<br>Decrease<br>Decrease<br>r c<br>003000A2 | e<br>e<br>[ <b>Exam L</b><br>05  | A2.05   | CV182<br>e VCT<br>CV182   | nitive Level   | Application  |  | Lute<br>Lute Lute<br>Lute Lute  | Braidwood  | Exam<br>RO Group:  |   |  | 1 : 2420 - 14<br>11 - 16241 - 14<br>7/19/ |
|                     |   | Ability to (   | (a) predict tl  | ne impacts  | mp System<br>s of the followin   | ng on the Reac   | tor Coola  | nt Pump S   | Sustana - 141  | WHED Strepton  |   |  | 003                                       |
|                     | tement:<br>ation of<br>rs:                                      | Ability to (<br>procedure<br>Effects of<br>(C) correc<br>flow. Vent<br>increases<br>compensa   | (a) predict tl<br>es to correc<br>VCT pressi<br>t - increasir<br>ing the pres<br>causing #1<br>ate for incre                      | ne impacts<br>, control, o<br>ure on RC<br>ng level ca<br>sure from                           | s of the followin<br>or mitigate the<br>P seal leakoff f<br>auses pressure<br>the VCT is the<br>off to decrease<br>pressure. Sea                                     | to increase, in<br>required actio<br>(D) incorrect<br>Leakoffs will n                      | or tribse<br>for easing I<br>on to take<br>opening<br>lot return t | oackpress<br>while deg<br>10/182 v                                    | System and (b)<br>operation:<br>sure on the RC<br>assing the RC<br>will increase se<br>parameters. | based on the<br>P seals, decr<br>S. (A&B) inco<br>ral injection fi | easing #<br>prrect - b<br><del>ow but c</del> | lictions,<br>#1 seal l<br>ackpres            | use<br>eakoff<br>sure                     |
| KA Stat             | tement:<br>ation of<br>rs:                                      | Ability to (<br>procedure<br>Effects of<br>(C) correct<br>flow. Vent<br>increases<br>compensa  | (a) predict ti<br>es to correc<br>VCT pressu<br>tt - increasir<br>ing the pres<br>causing #1<br>ate for incre<br>Title            | ne impacts<br>, control, o<br>ure on RC<br>ng level ca<br>sure from                           | s of the followin<br>or mitigate the<br>P seal leakoff f<br>auses pressure<br>the VCT is the<br>off to decrease<br>pressure. Sea                                     | to increase, in<br>required actio<br>(D) incorrect<br>l leakoffs will n                    | or tribse<br>for easing I<br>on to take<br>opening<br>lot return t | abnormal<br>packpress<br>while deg.<br>1CV102<br>o normal<br>Referenc | System and (b)<br>operation:<br>sure on the RC<br>assing the RC                                    | P seals, decr<br>S: (A&B) inco<br>ral injection fi                 | easing #<br>prect - b<br>ow but c             | lictions,<br>#1 seal l<br>ackpres            | use<br>use<br>eakoff                      |
| KA Stat             | tement:<br>ation of<br>rs:<br>R                                 | Ability to (<br>procedure<br>Effects of<br>(C) correct<br>flow. Vent<br>increases<br>compensa  | (a) predict ti<br>es to correc<br>VCT pressu<br>tt - increasir<br>ing the pres<br>causing #1<br>ate for incre<br>Title            | ne impacts<br>, control, o<br>ure on RC<br>ng level ca<br>sure from                           | s of the followin<br>or mitigate the<br>P seal leakoff f<br>auses pressure<br>the VCT is the<br>off to decrease<br>pressure. Sea                                     | to increase, in<br>required actio<br>(D) incorrect<br>l leakoffs will n                    | or tribse<br>for easing I<br>on to take<br>opening<br>lot return t | oackpress<br>while deg<br>10/182 v                                    | System and (b)<br>operation:<br>sure on the RC<br>assing the RC<br>will increase se<br>parameters. | based on the<br>P seals, decr<br>S. (A&B) inco<br>ral injection fi | easing #<br>prrect - b<br><del>ow but c</del> | lictions,<br>#1 seal l<br>ackpres            | use<br>eakoff<br>sure                     |
| KA Stat             | tement:<br>ation of<br>rs:<br>R                                 | Ability to (<br>procedure<br>Effects of<br>(C) correct<br>flow. Vent<br>increases<br>compensa  | (a) predict ti<br>es to correc<br>VCT pressu<br>tt - increasir<br>ing the pres<br>causing #1<br>ate for incre<br>Title            | ne impacts<br>, control, o<br>ure on RC<br>ng level ca<br>sure from                           | s of the followin<br>or mitigate the<br>P seal leakoff f<br>auses pressure<br>the VCT is the<br>off to decrease<br>pressure. Sea                                     | to increase, in<br>required actio<br>(D) incorrect<br>l leakoffs will n                    | or tribse<br>for easing I<br>on to take<br>opening<br>lot return t | abnormal<br>packpress<br>while deg.<br>1CV102<br>o normal<br>Referenc | System and (b)<br>operation:<br>sure on the RC<br>assing the RC<br>will increase se<br>parameters. | P seals, decr<br>S: (A&B) inco<br>ral injection fi                 | easing #<br>prect - b<br>ow but c             | lictions,<br>#1 seal l<br>ackpres            | use<br>eakoff<br>sure                     |
| KA Stat             | tement:<br>ation of<br>rs:<br>kical Degas                       | Ability to (<br>procedure<br>Effects of<br>(C) correc<br>flow. Vent<br>increases<br>compensa<br>compensa   | (a) predict ti<br>es to correc:<br>VCT pressi<br>tt - increasir<br>ing the pres<br>causing #1<br>tate for incre<br>Title<br>e RCS | ne impacts<br>, control, o<br>ure on RC<br>ug level ca<br>ssure from<br>seal leak<br>ased VCT | s of the followin<br>or mitigate the<br>P seal leakoff f<br>auses pressure<br>the VCT is the<br>off to decrease<br>pressure. Sea                                     | to increase, in<br>required actio<br>(D) incorrect<br>l leakoffs will n                    | or tribse<br>for easing I<br>on to take<br>opening<br>lot return t | abnormal<br>packpress<br>while deg.<br>1CV102<br>o normal<br>Referenc | System and (b)<br>operation:<br>sure on the RC<br>assing the RC<br>will increase se<br>parameters. | P seals, decr<br>S: (A&B) inco<br>ral injection fi                 | easing #<br>prect - b<br>ow but c             | lictions,<br>#1 seal l<br>ackpres            | use<br>eakoff<br>sure                     |
| KA Stat             | tement:<br>ation of<br>rs:<br>kical Degas                       | Ability to (<br>procedure<br>Effects of<br>(C) correct<br>flow. Vent<br>increases<br>compensation<br>compensation<br>there are a set<br>(C) correct<br>flow. Vent<br>increases<br>compensation<br>compensation<br>(C) correct<br>flow. Vent<br>increases<br>compensation<br>(C) correct<br>flow. Vent<br>increases<br>compensation<br>(C) correct<br>flow. Vent<br>increases<br>compensation<br>(C) correct<br>flow. Vent<br>increases<br>compensation<br>(C) correct<br>flow. Vent<br>increases<br>compensation<br>(C) correct<br>flow. Vent<br>increases<br>compensation<br>(C) correct<br>compensation<br>(C) correct<br>(C) | (a) predict ti<br>es to correc<br>VCT pressu<br>tt - increasir<br>ing the pres<br>causing #1<br>ate for incre<br>Title            | ne impacts<br>, control, q<br>ure on RC<br>ng level ca<br>sure from<br>seal leak<br>ased VCT  | s of the followin<br>or mitigate the<br>P seal leakoff f<br>auses pressure<br>the VCT is the<br>off to decrease<br>pressure. Seal<br><b>Facility F</b><br>BwOP CV-14 | to increase, in<br>e required actio<br>(D) incorrect<br>I leakoffs will n<br>Reference Nur | mber   | abnormal<br>packpress<br>while deg.<br>1CV102<br>o normal<br>Referenc | System and (b)<br>operation:<br>sure on the RC<br>assing the RC<br>will increase se<br>parameters. | P seals, decr<br>S: (A&B) inco<br>sal injection fi<br>Page No:     | easing # rrrect - b ow but c                  | lictions,<br>#1 seal l<br>ackpres<br>bes not | use<br>eakoff<br>sure                     |
| KA Stat             | tement:<br>ation of<br>rs:<br>Raical Degas                      | Ability to (<br>procedure<br>Effects of<br>(C) correc<br>flow. Vent<br>increases<br>compensa<br>compensa<br>eference<br>ssing of the<br>for Exarr  | (a) predict ti<br>es to correc<br>VCT press<br>to - increasing<br>ting the pres<br>causing #1<br>ate for increa<br>Title<br>e RCS | ne impacts<br>, control, q<br>ure on RC<br>ng level ca<br>sure from<br>seal leak<br>ased VCT  | s of the followin<br>or mitigate the<br>P seal leakoff f<br>auses pressure<br>the VCT is the<br>off to decrease<br>pressure. Sea                                     | to increase, in<br>e required actio<br>(D) incorrect<br>I leakoffs will n<br>Reference Nur | mber   | abnormal<br>packpress<br>while deg.<br>1CV102<br>o normal<br>Referenc | System and (b)<br>operation:<br>sure on the RC<br>assing the RC<br>will increase se<br>parameters. | P seals, decr<br>S: (A&B) inco<br>ral injection fi                 | easing # rrrect - b ow but c                  | lictions,<br>#1 seal l<br>ackpres<br>bes not | use<br>eakoff<br>sure                     |

|           | Durir  | ng norma<br>_(2)  | operation, the  | Reactor Co    | olant P | ump (RCP) i  | motor windings | are coolec  | by(1)   | and the RCI    | P#1 seal is                              | cooled by       |                 |
|-----------|--------|-------------------|---|---------------|---------|--------------|----------------|---|---|----------------|--|-----------------|-----------------|
|           |        | _(1)              | (   | (2)           |         |              |                |   |   |                |  |                 |                 |
|           |        |                   |   |               |         |              |                |   |   |                |  |                 |                 |
|           |        |                   |   |               |         |              |                |   |   |                |  |                 |                 |
|           |        |                   |   |               |         |              |                |   |   |                |  |                 |                 |
|           | a.     | Air               | ~   | CW            |         |              |                |   |   |                |  |                 |                 |
|           |        |                   |   |               |         |              |                |   | 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - |                | ***************************************  |                 |                 |
|           | b.     | Air               | С   | V             |         |              | Sec. 1. St.    |   |   |                |  |                 |                 |
|           | c.     | CCW               | <i>~</i>  | SV .          |         |              |                |   |   |                |  | da ordan organi |                 |
|           |        |                   | <u> </u>  | · · ·         |         |              |                |   |   |                |  | ia militar e    |                 |
|           | d.     | CCW               | . C   | CW            |         |              |                |   |   |                |  |                 |                 |
| Ar        | nswei  | b                 | Exam Leve   | В             | Cognit  | ive Level    | <b></b>        | 4 Freiholder  |   |                |  | s fiki,         | -               |
| KA        |        | 03000K4           |   |               |         |              | Memory         |   | Braidwood   |                | kamDate:                                 | . 7             | /19/0           |
| 600000    |        | /Evolutic         | L   | .04           | ROV     |              | SRO Value      | 3.1   | Section: SYS  | RO Grou        | p: 1                                     | SRO Group:      |                 |
|           |        | ement:            |   |               |         |              |                |   | 2. 约4 公式运送器   | Constanting    |  | 003             | 3               |
| 2         |        |                   |   |               |         |              |                |   | nterlock(s) which p   |                |  |                 |                 |
| Ex        | plana  | ition of          | (B) Correct -   | air cools the | motory  | vindings and | water (CV) co  | ols the #1 s  | eal (seal injection)  |                |  | -               |                 |
|           | 2 V G  |                   | 1 .   | 12412 - 2222  |         |              |                |   | eal (seal injection)  | Nation Service | unis de la caracia<br>Unis de la caracia | e and the state | a da<br>Galeria |
|           |        |                   | Reference Titl  | e             |         | Facility I   | Reference Nu   | nber f  | Reference Section   | Page           | No. Revie                                | ion L.O. Nun    |                 |
|           | CP Les | sson Plar         |   |               |         | 11-RC-XL-01  |                |   |   | 2,11,4         |  | 3,4             | nper            |
| 1         |        |                   |   |               | ][      |              |                |   |   |                |  |                 |                 |
|           |        |                   |   |               | l ,     |              | **             | _   |   |                |  |                 |                 |
|           |        |                   | I for Examina   | tion          |         |              |                |   |   |                |  |                 |                 |
| 1 6.00.00 |        | n Source          |   |               |         | uestion Mod  | ification Meth | od:   |   | Used D         | uring Train                              | ing Program     |                 |
| Que       | estion | Source            | Comments  |               |         |              |                |   |   |                |  | <u> </u>        |                 |
|           |        | 1000.222 (STORTS) | 1 <sup>22</sup> Constant of | I             |         |              |                |   |   |                |  |                 |                 |
|           | nmen   | t Type            | Comment   |               |         |              |                | 1.<br>1.<br>1.<br>1.<br>1.<br>1.<br>1.<br>1.<br>1.<br>1.<br>1.<br>1.<br>1.<br>1 |   |                | Reviews                                  | Complete        | 1               |
| Con       |        |                   |   |               |         |              |                |   |   |                | Peer                                     |                 | 1               |
|           |        |                   |   |               |         |              |                |   |   | 1              |  |                 | ł               |
|           |        |                   |   |               |         |              |                |   |   | ]              | Supervis                                 | ory             |                 |

|   |                                       |  | nical and Volume                                   |                      | tem (CVCS)                     |            |                              |                   |                       |                   |
|---|---------------------------------------|--|--|----------------------|--------------------------------|------------|------------------------------|-------------------|-----------------------|-------------------|
|   | - A sn<br>- Con                       | llowing plant condi<br>mall break LOCA H<br>ntrol Room indicati<br>LIS head and plen | nas occurred<br>ons suggest that                   | the Pressuri:        | zer is solid                   |            |                              |                   |                       |                   |
| _ | Which o                               | of the following de  | scribes the effect                                 | of changes i         | n charging and letdov          | wn on the  | Reactor Coolant System       | under these       | conditions?           | 2                 |
|   | <b>a</b> . S                          | Small mismatches   | between chargin                                    | g and letdow         | n may cause large ar           | nd sudden  | RCS pressure changes.        | •. <sup>121</sup> | • • •                 |                   |
|   | · · · · · · · · · · · · · · · · · · · |  |  |                      |                                |            | nall changes in RCS pres     |                   |                       |                   |
|   | 1                                     |  |  |                      |                                |            | pressurizer level change     |                   |                       | gernfällsatigen   |
|   | Answer                                |  |  | Cognitive Le         |                                |            | changes with a bubble pr     | esent in the      |                       | 7/19/02           |
|   | <b>KA:</b> 00                         | 04000A109  | A1.09  | RO Value:            | 3.6 SRO Value:                 |            |                              | O Group:          | I                     | <b>) Group:</b> 1 |
|   | System/E                              | Evolution Title  | Chemical and V                                     | ′olume⊧Contr         | ol System                      |            | Tel: 1972 Victor             |                   |                       | 004               |
|   | KA State                              | controls i   | predict and/or mo<br>ncluding:<br>ssure and temper |                      | es in parameters asso          | ciated wit | h operating the Chemical     | and Volume        |                       |                   |
|   | Explanati<br>Answers:                 | ion of (A) Corre<br>in large v   | ct - water is an in<br>ariations in press          | compressible<br>ure. |                                |            | Il variations in inventory ( |                   | the set of the second |                   |
|   | CVCS LP                               | <u></u>  | Title  |                      | cility Reference Nur<br>-XL-01 | mber       | Reference Section            | Page No.          | Revision              | L.O. Number       |
|   | RCS Fill a                            | and Vent   |  |                      | RC-3                           |            | F                            | 16-19             | 14                    |                   |
|   |                                       |  |  |                      |                                |            |                              |                   |                       |                   |
|   |                                       | Required for Example 1   |  |                      |                                |            |                              |                   | -                     |                   |
|   |                                       | Source: Facil  |  | Questio              | n Modification Meth            | od: D      | irect From Source            | Used Durin        | g Training            | Program           |
|   | Question                              | Source Commen  |  |                      |                                |            |                              |                   |                       |                   |
|   | Comment                               | Type Comme   | ntilli i dan                                       |                      |                                |            |                              |                   | Reviews Co<br>Peer    |                   |
|   |                                       | ,  |  |                      |                                |            |                              |                   | acility               |                   |

Chemical and Volume Control System (CVCS) Two (2) minutes following a reactor trip with a loss of off-site power, which of the following motor operated valves will NOT have power available? (Assume no operator actions)

Question Topic

| a.  |  | nergency Boratior   | ****            |                             |                         |                              | MAN NA ANA ANG I                                       |   |  |               | t i Vêre û          |          |
|---|--|---|-----------------|-----------------------------|-------------------------|------------------------------|--|---|--|---------------|---------------------|----------|
| · <b>b</b> ,                              | 1CV112D "Cha   | arging Pump Suc   | tion from RWS   | T Valve"                    | 1 66 C. M. 18 (M. 1973) | storpung B                   | entiment   | san in Silve                                    | ang sel dan sej  | sonah.P.      | anete ag            | <u> </u> |
| c.  | 1CV8105 "Ch  | arging Pump to R  | Reactor Coolant | t Sys Isolation V           | alve" states and        | <ul> <li>Montpair</li> </ul> | an stream faile an | លនិទនានអ៊ីស្                                    | Stell distri   | Välket vell a | elt <b>S</b> alasty | itana.   |
| d.  | 1CV8109 "Pos   | sitive Displaceme   | ent Pump Recirc | c Valve"                    | and the states          | ÷                            | ······································                 |   | *  |               | 1. · 後知何受           |          |
| Answe                                     |  | m Level R   | Cognitive I     | Level Comp                  | prehension              | Facility:                    | Braidwood  | Exa   | nDate:   |               | 7/19/               | /02      |
| ······································    | 004000K205   |   | RO Value        | فلافقادهما المسمسينية التنا | Value: 2.9              | Section                      | SYS  | RO Group:                                       | 1  | SRO Gro       | oup:                | 1        |
|   | n/Evolution Title  |   | nd Volume Cor   |                             | с                       | . ÷                          | ann ar ann 1949.                                       | As Atom Care a                                  |  |               | 004                 |          |
| KA Sta                                    | itement: Know<br>MOV                                       | vledge of bus pov<br>'s   | wer supplies to | the following:              |                         | <br>                         | eros paqueras  | inkti (* 11. 134.                               | t⊈ s. s.   |               |                     |          |
|   | rs: (D) c  | orrect - the only n<br>s and will be ene                          | non-esf powere  | d MOV in the lis            | it. 1CV8109 is p        | owered fro                   | m 133V1. (A,   | B,C) incorrec                                   | t - these a  | are ESF p     | owered              |          |
|   |  | needed on an and an an and an |                 | 3 01033 01 011-31           | te by the respec        | ctive EDGs                   | VER ARGING   | the second second                               | a calain   | X 7 4 5       | 1. Second           |          |
|   |  | nce Title   |                 | Facility Referen            | ie by the respec        |                              | 242-60 <b>6</b> 333                                    |   | 3  | 8.743 s       | 1945-55 (S. 6.<br>  |          |
|   |  |   |                 | 2 1000 01 011 311           | ie by the respec        |                              | ce Section   |   | 3  | sion L.O      | 1945-55 (S. 6.<br>  |          |
|   | Refere   |   |                 | Facility Referen            | ie by the respec        |                              | 241-60483-804<br>                                      | Page No   | Revis  | 8.743 s       | 1945-55 (S. 6.<br>  |          |
| CV Elec                                   | Refere   | nce Title   |                 | Facility Referen            | ie by the respec        |                              | 241-60483-804<br>                                      | Page No   | Revis  | 8.743 s       | 1945-55 (S. 6.<br>  |          |
| CV Elec                                   | Refere<br>ctrical Lineup<br>I Required for E               | nce Title   |                 | Facility Referen            | nce Number              |                              | 241-60483-804<br>                                      | Page No   | Revis  | 8.743 s       | 1945-55 (2 A        |          |
| CV Election (Material Question)           | Refere<br>ctrical Lineup<br>I Required for t               | nce Title   |                 | Facility Referen            | nce Number              |                              | 241-60483-804<br>                                      | Page No   | Revis  |               | Numbe               |          |
| CV Election (Material Question)           | Refere<br>ctrical Lineup<br>I Required for E               | nce Title   |                 | Facility Referen            | nce Number              |                              | 241-60483-804<br>                                      | Page Nc 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 | Revis  |               | Numbe               |          |
| CV Election (Material Question)           | Refere<br>ctrical Lineup<br>I Required for t<br>on Source: | nce Title   |                 | Facility Referen            | nce Number              |                              | 241-60483-804<br>                                      | Page Nc 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 | Revis     5     1     1  |               | Numbe               |          |
| CV Elec<br>CV Elec<br>Material<br>Questio | Refere<br>ctrical Lineup<br>I Required for t<br>on Source: | Examination   |                 | Facility Referen            | nce Number              |                              | 241-60483-804<br>                                      | Page Nc 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 | Revis     5     1     1  | sion L.O      | Numbe               |          |
| CV Elec<br>CV Elec<br>Material<br>Questio | Refere<br>ctrical Lineup<br>I Required for t<br>on Source: | Examination   |                 | Facility Referen            | nce Number              |                              | 241-60483-804<br>                                      | Page Nc 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1,2 | I S<br>I S<br>I S<br>I S<br>I S<br>I S<br>I S<br>I S<br>I S<br>I S | sion L.O      | Numbe               |          |

.

| sing. A Field            |
|--------------------------|
| 7/19/02                  |
| 7/19/02                  |
| 7/19/02                  |
|                          |
|                          |
|                          |
|                          |
|                          |
|                          |
|                          |
| C Group: 3               |
|                          |
|                          |
| the second second second |
| - per<br>(D) Incorrect - |
|                          |
| n L.O. Number            |
|                          |
|                          |
|                          |
|                          |
| g Program                |
| Complete                 |
|                          |

| 1 I Th-  |   |   | al System (RHRS)   |   |  |   |   |  |
|--|---|---|--|---|--|---|---|--|
| line   | e tollowing condition   | ons exist on Unit 1   |  |   |  |   |   |  |
| - R<br>  | RCS pressure is 3<br>Solid plant ops<br>RH letdown in sen   | 330 psig  |  | shutdown cooling  |  |   |   |  |
| 11   |   | describes the INITIA  |  | sponse if the operat  | na RHR Pump t  | rino?   |   |  |
|  | Temperature   | RCS Pressure  |  |   |  |   |   |  |
| a.   | Increase  | Decrease  |  |   | neen ar earlie an                                      |   |   | ي در ۲۰۰<br>ماري در انه مرد المعرف المعرف  |
|  |   |   | a angla angla<br>Rasarangan ang ang ang ang ang ang ang ang an   |   |  |   |   |  |
| b.   | Increase  | Increase  |  | · · · · · · · · · · · · · · · · · · ·   |  |   |   | and a second |
| 200  |   |   |  |   | i ad   |   | ·   |  |
| c.   | Decrease  | Decrease  |  |   |  |   |   |  |
| d  | Decrease  | la and a state  |  |   |  |   |   |  |
| Lastran  |   | locrease  | an a   |   | *****  |   |   | J  |
| Answei   | b Exam  |   |  |   |  | N. States   |   | 4  |
| KA:  | 005000K505  |   |  | Comprehension [   | Facility: Braid  | wood  | ExamDate:   | 7/19/02  |
| · · · · · · · · · · · · · · · · · · ·  |   | K5.05   | O Value: 2.7*  | SRO Value: 3.1*   | -  |   | [   |  |
|  |   |   |  | SRO Value: 3.1*   | Section: S   | YS ROG  |   |  |
| · · · · · · · · · · · · · · · · · · ·  | n/Evolution Title   | Residual Heat Re  | emoval System  |   |  | RO Gr   |   | O Group: 3   |
| · · · · · · · · · · · · · · · · · · ·  | tement: Knowle  | dge of the operation  | emoval System  |   |  |   |   |  |
| KA Stat  | tement: Knowle<br>Plant re  | edge of the operationa<br>esponse during "solid   | emoval System<br>al implications of the<br>plant": pressure cha  | following concepts  | as they apply to   | the Residual He   | at Removal Syste  | m: (100 m)   |
| KA Stat  | tement: Knowle<br>Plant re<br>ation of (B) Cor  | edge of the operational<br>esponse during "solid<br>rect Loss of PH cost  | emoval System<br>al implications of the<br>plant": pressure cha  | following concepts  | as they apply to<br>ive incompressit   | the Residual He   | eat Removal Syste   | em: (11/2)   |
| KA Stat<br>Explana<br>Answer   | tement: Knowle<br>Plant re<br>ation of (B) Cor<br>to raise  | edge of the operational<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) in                                  | emoval System<br>al implications of the<br>plant": pressure cha<br>ing flow will allow R<br>icorrect - pressure w                                  | following concepts  | as they apply to<br>ive incompressit   | the Residual He   | eat Removal Syste   | em: (11/2)   |
| KA Stat  | tement: Knowle<br>Plant re<br>ation of<br>'s: (B) Cor<br>to raise<br>Reference  | edge of the operation<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) ir<br>ce Title                        | emoval System<br>al implications of the<br>plant": pressure cha<br>ing flow will allow Re<br>icorrect - pressure w                                 | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>vill increase. (C&D) I                  | as they apply to<br>ive incompressit<br>131 will sense pr<br>ncorrect - RCS v              | the Residual He<br>bility of water<br>ressure drop as<br>vill heat up as R              | RH pump is trippe<br>H cooling is lost  | em: (11/2)   |
| KA Stat  | tement: Knowle<br>Plant re<br>ation of (B) Cor<br>to raise  | edge of the operation<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) ir<br>ce Title                        | al implications of the<br>plant": pressure cha<br>ing flow will allow Re<br>incorrect - pressure w<br>Facility Ref                                 | following concepts  | as they apply to<br>ive incompressit<br>131 will sense pr<br>ncorrect - RCS v              | the Residual He<br>bility of water<br>ressure drop as<br>vill heat up as R              | RH pump is trippe<br>H cooling is lost  | em: (11/2)   |
| KA Stat  | tement: Knowle<br>Plant re<br>ation of<br>'s: (B) Cor<br>to raise<br>Reference  | edge of the operation<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) ir<br>ce Title                        | emoval System<br>al implications of the<br>plant": pressure cha<br>ing flow will allow Re<br>icorrect - pressure w                                 | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>vill increase. (C&D) I                  | as they apply to<br>ive incompressit<br>131 will sense pr<br>ncorrect - RCS v              | the Residual He<br>bility of water<br>ressure drop as<br>vill heat up as R              | RH pump is trippe<br>H cooling is lost  | ed and close   |
| KA Stat  | tement: Knowle<br>Plant re<br>ation of<br>'s: (B) Cor<br>to raise<br>Reference  | edge of the operation<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) ir<br>ce Title                        | al implications of the<br>plant": pressure cha<br>ing flow will allow Re<br>incorrect - pressure w<br>Facility Ref                                 | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>vill increase. (C&D) I                  | as they apply to<br>ive incompressit<br>131 will sense pr<br>ncorrect - RCS v              | the Residual He<br>pility of water<br>ressure drop as<br>vill heat up as R<br>ction     | RH pump is trippe<br>H cooling is lost  | ed and close   |
| KA Stat  | tement: Knowle<br>Plant re<br>ation of<br>'S: (B) Cor<br>to raise<br>Reference<br>Operating Proces                                      | edge of the operational<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) in<br>ce Title<br>dure              | al implications of the<br>plant": pressure cha<br>ing flow will allow Re<br>incorrect - pressure w<br>Facility Ref                                 | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>vill increase. (C&D) I                  | as they apply to<br>ive incompressit<br>131 will sense pr<br>ncorrect - RCS v              | the Residual He<br>pility of water<br>ressure drop as<br>vill heat up as R<br>ction     | RH pump is trippe<br>H cooling is lost  | ed and close   |
| KA Stat  | tement: Knowle<br>Plant re<br>ation of<br>s: (B) Cor<br>to raise<br>Reference<br>Operating Proces<br>Required for Exa                   | adge of the operational<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) in<br>ce Title<br>dure              | al implications of the<br>plant": pressure cha<br>ing flow will allow Re<br>incorrect - pressure w<br>Facility Ref                                 | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>vill increase. (C&D) I                  | as they apply to<br>ive incompressit<br>131 will sense pr<br>ncorrect - RCS v              | the Residual He<br>pility of water<br>ressure drop as<br>vill heat up as R<br>ction     | RH pump is trippe<br>H cooling is lost  | ed and close   |
| KA Stat  | tement: Knowle<br>Plant re<br>ation of<br>'s: (B) Cor<br>to raise<br>Reference<br>Operating Proces<br>Required for Exa                  | adge of the operational<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) in<br>ce Title<br>dure              | emoval System al implications of the plant": pressure cha ing flow will allow Re correct - pressure w Facility Ref 1BwGP 100-1                     | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>ill increase. (C&D) I<br>ference Number | as they apply to<br>ive incompressit<br>131 will sense pr<br>ncorrect - RCS v              | the Residual He<br>polity of water<br>ressure drop as<br>vill heat up as R<br>ction Pac | RH pump is trippe<br>H cooling is lost  | ed and close   |
| KA Stat<br>Explana<br>Answers<br>General<br>Material<br>Question             | tement: Knowle<br>Plant re<br>ation of<br>s: (B) Cor<br>to raise<br>Reference<br>Operating Proces<br>Required for Exa                   | adge of the operational<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) in<br>ce Title<br>dure              | al implications of the<br>plant": pressure cha<br>ing flow will allow Re<br>incorrect - pressure w<br>Facility Ref                                 | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>ill increase. (C&D) I<br>ference Number | as they apply to<br>ive incompressit<br>131 will sense pr<br>ncorrect - RCS v              | the Residual He<br>polity of water<br>ressure drop as<br>vill heat up as R<br>ction Pac | RH pump is trippe<br>H cooling is lost  | ed and close   |
| KA Stat<br>Explana<br>Answers<br>General<br>Material<br>Question             | tement: Knowle<br>Plant re<br>ation of (B) Cor<br>to raise<br>Reference<br>Operating Proceed<br>Required for Exa<br>n Source: New       | adge of the operational<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) in<br>ce Title<br>dure              | emoval System al implications of the plant": pressure cha ing flow will allow Re correct - pressure w Facility Ref 1BwGP 100-1                     | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>ill increase. (C&D) I<br>ference Number | as they apply to<br>ive incompressit<br>131 will sense pr<br>ncorrect - RCS v              | the Residual He<br>polity of water<br>ressure drop as<br>vill heat up as R<br>ction Pac | RH pump is trippe<br>H cooling is lost  | ed and close   |
| KA Stat<br>Explana<br>Answerr<br>General<br>Material<br>Question             | tement: Knowle<br>Plant re<br>ation of (B) Cor<br>to raise<br>Reference<br>Operating Procee<br>Required for Exa<br>n Source: New<br>New | adge of the operational<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) in<br>ce Title<br>dure<br>amination | emoval System<br>al implications of the<br>plant": pressure cha<br>ing flow will allow Re<br>icorrect - pressure w<br>Facility Ref<br>1 BwGP 100-1 | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>ill increase. (C&D) I<br>ference Number | as they apply to<br>ive incompressit<br>131 will sense pr<br>ncorrect - RCS v              | the Residual He<br>polity of water<br>ressure drop as<br>vill heat up as R<br>ction Pac | RH pump is trippe<br>H cooling is lost  | ed and close   |
| KA Stat<br>Explana<br>Answers<br>General<br>Material<br>Question             | tement: Knowle<br>Plant re<br>ation of (B) Cor<br>to raise<br>Reference<br>Operating Procee<br>Required for Exa<br>n Source: New<br>New | adge of the operational<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) in<br>ce Title<br>dure              | emoval System<br>al implications of the<br>plant": pressure cha<br>ing flow will allow Re<br>icorrect - pressure w<br>Facility Ref<br>1 BwGP 100-1 | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>ill increase. (C&D) I<br>ference Number | as they apply to<br>ive incompressit<br>131 will sense pr<br>ncorrect - RCS v              | the Residual He<br>polity of water<br>ressure drop as<br>vill heat up as R<br>ction Pac | RH pump is trippe<br>H cooling is lost  | ed and close   |
| KA Stat<br>Explana<br>Answerr<br>General<br>Material<br>Question             | tement: Knowle<br>Plant re<br>ation of (B) Cor<br>to raise<br>Reference<br>Operating Procee<br>Required for Exa<br>n Source: New<br>New | adge of the operational<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) in<br>ce Title<br>dure<br>amination | emoval System<br>al implications of the<br>plant": pressure cha<br>ing flow will allow Re<br>icorrect - pressure w<br>Facility Ref<br>1 BwGP 100-1 | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>ill increase. (C&D) I<br>ference Number | as they apply to<br>ive incompressit<br>131 will sense princorrect - RCS v<br>Reference Se | the Residual He<br>polity of water<br>ressure drop as<br>vill heat up as R<br>ction Pac | RH pump is trippe<br>H cooling is lost<br>Revision  | ed and close   |
| KA Stat<br>Explana<br>Answerr<br>General<br>Material<br>Question<br>Question | tement: Knowle<br>Plant re<br>ation of (B) Cor<br>to raise<br>Reference<br>Operating Procee<br>Required for Exa<br>n Source: New<br>New | adge of the operational<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) in<br>ce Title<br>dure<br>amination | emoval System<br>al implications of the<br>plant": pressure cha<br>ing flow will allow Re<br>icorrect - pressure w<br>Facility Ref<br>1 BwGP 100-1 | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>ill increase. (C&D) I<br>ference Number | as they apply to<br>ive incompressit<br>131 will sense princorrect - RCS v<br>Reference Se | the Residual He<br>polity of water<br>ressure drop as<br>vill heat up as R<br>ction Pac | RH pump is trippe<br>H cooling is lost<br>Period No. Revision   | ed and close   |
| KA Stat<br>Explana<br>Answerr<br>General<br>Material<br>Question<br>Question | tement: Knowle<br>Plant re<br>ation of (B) Cor<br>to raise<br>Reference<br>Operating Procee<br>Required for Exa<br>n Source: New<br>New | adge of the operational<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) in<br>ce Title<br>dure<br>amination | emoval System<br>al implications of the<br>plant": pressure cha<br>ing flow will allow Re<br>icorrect - pressure w<br>Facility Ref<br>1 BwGP 100-1 | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>ill increase. (C&D) I<br>ference Number | as they apply to<br>ive incompressit<br>131 will sense princorrect - RCS v<br>Reference Se | the Residual He<br>polity of water<br>ressure drop as<br>vill heat up as R<br>ction Pac | RH pump is trippe<br>H cooling is lost<br>Pe No. Revision<br>17<br>During Training<br>Reviews Co<br>Peer<br>Supervisory | ed and close   |
| KA Stat<br>Explana<br>Answerr<br>General<br>Material<br>Question<br>Question | tement: Knowle<br>Plant re<br>ation of (B) Cor<br>to raise<br>Reference<br>Operating Procee<br>Required for Exa<br>n Source: New<br>New | adge of the operational<br>esponse during "solid<br>rect. Loss of RH cool<br>RCS pressure (A) in<br>ce Title<br>dure<br>amination | emoval System<br>al implications of the<br>plant": pressure cha<br>ing flow will allow Re<br>icorrect - pressure w<br>Facility Ref<br>1 BwGP 100-1 | following concepts<br>ange due to the relat<br>CS to heat up. 1CV-<br>ill increase. (C&D) I<br>ference Number | as they apply to<br>ive incompressit<br>131 will sense princorrect - RCS v<br>Reference Se | the Residual He<br>polity of water<br>ressure drop as<br>vill heat up as R<br>ction Pac | RH pump is trippe<br>H cooling is lost<br>Period No. Revision   | ed and close   |

|  | Que                | stion Top                        | ic Em                            | ergency Core                      | Cooling :               | System (ECC  | S)                                      |                            |                  |   |  |               |  | 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |
|--|--------------------|----------------------------------|----------------------------------|-----------------------------------|-------------------------|--|---|----------------------------|------------------|---|--|---------------|--|----------------------------------|
|  | The                | following                        |                                  | s exist on Un                     |                         |  |   |                            |                  |   |  |               |  |                                  |
| )  | - A<br>- R<br>- 21 | large bre<br>WST leve<br>RH8702A | ak LOCA<br>I decreas<br>and B "F | is in progres<br>requires th      | s<br>e operator         | rs to transfer to<br>p 2B Suction<br>n Valve", is OF | o Cold Leg Re<br>Isolation Vaive<br>PEN | circulation<br>es", are bo | th CLOSED        |   |  |               |  |                                  |
|  | Whic               | h of the fo                      | llowing a                        | ctions MUST                       | be perfor               | med to OPEN  | 2SI8804B, "2[                           | B RH Hx to                 | CV/SI Pum        | p Suction Isc   | plation Valve                          | "?            |  |                                  |
|  |                    |                                  |                                  |                                   |                         |  |   |                            |                  |   |  |               |  |                                  |
| , tj   | a.                 | CLOSE                            | 2SI8813                          | "SI Pump Co                       | mmon Mir                | niflow Isolatior                                     | Valve"                                  |                            |                  | 2000 - 24 J. J. P.  | lander (n. g. et n. g. g. g.<br>George | ant the art   | ······   |                                  |
| sentae<br>Segme  | b.                 | OPEN 2                           | SI8807B                          | "SI/CV Pump                       | s Suction               | Header Cross   | stie Valve"                             | ti i se ster               | el e Caralina de | A SECO  | regenerative die                       | o-bercho      | es pro Apple Aller   |                                  |
|  | C,                 | OPEN 20                          | CS009B "                         | 'CS Pump 2E                       | 3 Sump Su               | uction Valve"  |   | t Anna Chair               | uli di Anton     | 1.<br>1. 1. <b>1. 1. 1</b> . 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. | n<br>Statute of State                  | P W TREES     | na transformation of the second s |                                  |
|  | d.                 | CLOSE 2                          | 2SI8812B                         | "RH Pump 2                        | 2B Suction              | from RWST I  | solation Valve                          |                            |                  | avité ligit   |  |               |  |                                  |
|  | Answe              | <b>r</b> ]a                      | Exam                             | Level                             | Cogn                    | iitive Level   | Memory                                  | ĪĒ                         | acility: Bra     | aidwood   | Exam                                   | Data          |  |                                  |
| s it   | KA:                | 006000K4                         | 17                               | K4.17                             | RO                      | Value: 3.8   | SRO Value                               |                            | Section:         | P   | RO Group:                              |               | 7/19/0   | <u>)2</u>                        |
| andra angla<br>Angla angla angla<br>Angla angla ang  | System             | n/Evolutio                       | n Title                          | Emergency                         | y Core Co               | oling System   |   |                            |                  |   |  | 2 SR          | O Group:   | 2                                |
| 17 Ma  | KA Stat            | tement:                          | Knowled<br>Safety In             | lge of Emerg<br>ijection valve    | ency Core<br>interlocks | Cooling Syst   | em design feat                          | ture(s) and                | l or interlock   | (s) which pro   | ovide for the f                        | ollowing:     | 006  |                                  |
|  | Explana<br>Answer  | ation of<br>s:                   | (A) Corre<br>2RH8804             | ect - closing e<br>4B. (B,C,D) li | either (2SI             | 8920 AND 2S<br>none are in th                        | l8814) or closi<br>e interlock circ     | ng 2SI881                  | 3 satisfies th   | e rest of the   | interlock to c                         | pen the RH    | l crosstie   |                                  |
| uisensii<br>1. ensii<br>1. essiin  |                    | Ŕ                                | eference                         | Title                             |                         |  | Reference Nu                            |                            | Reference        |   | Page No.                               |               |  |                                  |
| · [  | GPs - M            | ain Contro                       | ol Board                         | Valve Interloo                    | cks                     | 2BwGP 100  |   |                            | [                |   | Page No.                               | 1             | L.O. Number  |                                  |
|  |                    | • • •                            | • .                              |                                   |                         |  | -                                       |                            |                  |   |  |               | I  |                                  |
|  | Material           | Required                         | for Exa                          | mination                          | l                       |  |   |                            |                  |   | ]                                      | []            |  |                                  |
|  |                    | n Source:                        |                                  |                                   | <u>]</u>                | Juestion Mod   | ification Meth                          |                            |                  |   | ·                                      |               |  | Ţ                                |
|  | Questior           | n Source (                       | Commen                           | its                               | ! []                    |  | incation Meth                           | nod:                       |                  | ]   | Used Durin                             | ig Training   | Program  |                                  |
| -  |                    |                                  |                                  | <u> </u>                          |                         |  |   | *****                      |                  |   |  |               |  |                                  |
| - The second sec | Commen             | nt Type                          | Comme                            | nt                                |                         |  |   |                            |                  |   |  | Reviews Co    | mplete   | 1                                |
| former   |                    |                                  |                                  |                                   |                         |  |   |                            |                  |   |  | eer           |  |                                  |
|  |                    |                                  |                                  |                                   |                         |  |   |                            |                  |   |  | upervisory    | 31 ····i   |                                  |
| ]  |                    | -                                |                                  |                                   |                         |  |   |                            |                  |   |  | acility<br>RC |  |                                  |
|  |                    |                                  |                                  |                                   |                         |  |   |                            |                  |   |  |               |  | ļ                                |

| _1     |  | · •  |  |  |  |  | e alter al este de  | , i posta de trada de la calega d  | an a  | n de second com a composition             |                         |  |                           |   |                                 |   |
|--------|--|--|--|--|--|--|---|--|---|---|-------------------------|--|---------------------------|---|---------------------------------|---|
|        |  | <b>.</b> .                                       |  |  |  |  |   | •  |   |   |                         |  |                           |   |                                 |   |
|        |  | •  |  |  |  |  |   |  | Lagier - as   |   |                         |  | • .:                      |   | A de pre                        |   |
|        | a.   | 1CV8118  | , Chargin  | g Pump o   | dischar                                      | ge relief                                    | valve 333   | e de la composition d  |   |   |                         | r shi  |                           |   |                                 |   |
|        | b.   | 1CV8117  | , Letdowr  | i line orifi   | ice relie                                    | f valve                                      |   | an an tha Maria  | <u>i de la de la de</u>   |   | with the second         | and the second |                           | Estato  | 928-68 (A)                      | . 41 <sup>-1</sup>  |
|        | <b>č</b> .]  | 1CC9426  | A-D, RCF   | P thermal  | barrier                                      | relief va                                    | alves   | i <mark>eik seidentes</mark><br>Niltrorröhtes  | olitoolitooli 2000<br>Cisto Disukseesse   | en de | na siriya<br>Na katanga | <u>uni costa</u><br>Visturives   | Statilizati               | <u>1990)<br/>1990</u>   | ander Statut<br>Millionen mense |   |
|        | <b>d.</b>  |  |  |  |  |  | ves   |  |   |   |                         | iek anatie   |                           |   |                                 |   |
| A      | nswei  | b  | Exam L   | evel R   | <u>.</u>                                     | Coanit                                       | ive Level   | Memory   |   | icility:                                  | Iraidwood               | <u></u>  | •                         | <b>a</b> l <b>L</b>   |                                 |   |
| K      | A: 0   | 07000A3  |  | A3.01  |  | RO Va  |   |  |   |   |                         | Lings  | (amDate:                  |   | 7/1                             | 9/0:  |
| 1007   |  | 01000100   |  | /10.01   |  | nu va  | uue. 2.1  |  | ·   | Section:                                  | SYS                     | RO Grou  | <b>p:</b> 3               | SRO   | Group:                          | 1.  |
| 5      | vetom  | Evolutio   | Tiela  | Drager   |  | 1: - C T                                     | · · · -   |  | a de la companya de l |   | *****                   |  |                           |   |                                 |   |
|        |  | /Evolutio  |  | -  |  |  |   | ank System 🗟   |   |   |                         | ·····  |                           | e i Sterni  | 007                             | uley<br>Life  |
| , type |  | ement:   | Ability to   | monitor a  | automat                                      | tic opera                                    | ations of the   | Pressurizer F  |   |   | ink System              | including:   |                           |   | 007                             |   |
| K      | A Stat   | ement:   | Ability to<br>Compon   | monitor a<br>ents whic   | automat<br>h disch                           | tic opera<br>arge to                         | ations of the<br>the PRT  | Pressurizer F  | Relief Tank/  | Quench Ta                                 | V. Solatio              | $\mathcal{Y}_{0}$  | a<br>Maria                | er de Sté   | <br>                            | tip:  |
| N<br>N | A Stat   | ement:   | Ability to<br>Compon   | monitor a<br>ents whic<br>ect - 1C\  | automat<br>h disch<br>/8118 n                | tic opera<br>arge to<br>elieves              | ations of the<br>the PRT<br>to the VCT                                      | Pressurizer F  | Relief Tank/  | Quench Ta                                 | ) incorrect             | ار<br>relieves to  | the Com                   | wd.eiti<br>I Bida Fi  |                                 | rtipet<br>Prige   |
| R<br>N | A Stat   | ement:<br>ition of<br>s:                         | Ability to<br>Compon<br>(A) Incorr<br>Sump (E                                  | monitor a<br>ents whic<br>ect - 1C\<br>) Incorrec  | automat<br>h disch<br>/8118 n<br>ct - relie  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>the HUT                           | Pressurizer F<br>(B) Correct - 1   | Relief Tank/(<br>relieves to t  | Quench Ta                                 | ) incorrect             | ار<br>relieves to  | the Com                   | wd.eiti<br>I Bida Fi  |                                 | rtipet<br>Prige   |
| K<br>A | A Stat   | ement:<br>tion of<br>s:<br>R                     | Ability to<br>Compon<br>(A) Incorn<br>Sump (E<br>eference                      | monitor a<br>ents whic<br>rect - 1CV<br>) Incorrect  | automat<br>h disch<br>/8118 r<br>ct - relie  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>the HUT                           | Pressurizer F  | Relief Tank/d   | Quench Ta                                 | ) incorrect             | - relieves to  | the Cnm                   | t Bldg Fl   |                                 | (ip)<br>(7)<br>(7)  |
| E A    | A Stat   | ement:<br>tion of<br>s:<br>R                     | Ability to<br>Compon<br>(A) Incorn<br>Sump (E<br>eference                      | monitor a<br>ents whic<br>ect - 1C\<br>) Incorrec  | automat<br>h disch<br>/8118 r<br>ct - relie  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>he HUT<br>Facility                | Pressurizer F<br>(B) Correct - 1   | Relief Tank/u<br>relieves to ti<br>umber  | Quench Ta                                 | ) Incorrect             | یر<br>relieves to  | the Cnm                   | t Bldg Fl   | loor Drain                      | in<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Pro |
| E A    | A Stat   | ement:<br>tion of<br>s:<br>R                     | Ability to<br>Compon<br>(A) Incort<br>Sump (E<br>eference                      | monitor a<br>ents whic<br>rect - 1CV<br>) Incorrect  | automat<br>h disch<br>/8118 n<br>ct - relie  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>he HUT<br>Facility<br>M-64 sheet  | Pressurizer F<br>(B) Correct -<br>(B) Correct -<br>(C) Correct -<br>(C) Correct -<br>(C) Correct -<br>(C | Rélief Tank/(<br>relieves to ti<br>umber  | Quench Ta                                 | ) Incorrect             | - relieves to  | the Cnm                   | t Bldg Fl   | oor Drain                       | in<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Pro |
| E A    | A Stat   | ement:<br>tion of<br>s:<br>R                     | Ability to<br>Compon<br>(A) Incort<br>Sump (E<br>eference                      | monitor a<br>ents whic<br>ect - 1CV<br>) Incorred<br>Title                                     | automat<br>h disch<br>/8118 n<br>ct - relie  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>he HUT<br>Facility<br>M-64 sheet  | Pressurizer F<br>(B) Correct -<br>(B) Correct -<br>(B) Correct -<br>(B) Correct -<br>(B) Correct -<br>(B) Correct -<br>(C) Correct -<br>(C | Rélief Tank/(<br>relieves to ti<br>umber  | Quench Ta                                 | ) Incorrect             | - relieves to  | the Cnm                   | t Bldg Fl   | oor Drain                       | in<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Pro |
|        | A Stat<br>xplana<br>nswer<br>&ID                             | ement:<br>tion of<br>s:<br>R                     | Ability to<br>Compon<br>(A) Incorn<br>Sump (E                                  | monitor a<br>ents whic<br>ect - 1CV<br>) Incorred<br>Title                                     | automat<br>h disch<br>/8118 n<br>ct - relié  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>he HUT<br>Facility<br>M-64 sheet  | Pressurizer F<br>(B) Correct -<br>(B) Correct -<br>(B) Correct -<br>(B) Correct -<br>(B) Correct -<br>(B) Correct -<br>(C) Correct -<br>(C | Rélief Tank/(<br>relieves to ti<br>umber  | Quench Ta                                 | ) Incorrect             | - relieves to  | the Cnm                   | t Bldg Fl   | oor Drain                       | in<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Pro |
|        | A Stat<br>xplan:<br>nswer<br>&ID<br>aterial                  | ement:   | Ability to<br>Compon<br>(A) Incor<br>Sump (E<br>eference                       | monitor a<br>ents whic<br>ect - 1CV<br>) Incorred<br>Title                                     | automat<br>h disch<br>/8118 r<br>ct - relie  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>he HUT<br>Facility<br>M-64 sheet  | Pressurizer F<br>(B) Correct - (<br>Reference N<br>5   | Rélief Tank/(<br>relieves to ti<br>umber  | Quench Ta                                 | ) Incorrect             | relieves to  | No: Rev                   | vision  | oor Drain                       | in<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Pro |
|        | A Stat<br>xplan:<br>nswer<br>&ID<br>aterial                  | ement:<br>tion of<br>s:<br>R                     | Ability to<br>Compon<br>(A) Incor<br>Sump (E<br>eference                       | monitor a<br>ents whic<br>ect - 1CV<br>) Incorred<br>Title                                     | automat<br>h disch<br>/8118 r<br>ct - relie  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>he HUT<br>Facility<br>M-64 sheet  | Pressurizer F<br>(B) Correct -<br>(B) Correct -<br>(B) Correct -<br>(B) Correct -<br>(B) Correct -<br>(B) Correct -<br>(C) Correct -<br>(C | Rélief Tank/(<br>relieves to ti<br>umber  | Quench Ta                                 | ) Incorrect             | relieves to  | the Cnm                   | vision  | oor Drain                       | in<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Pro |
|        | A Stat<br>xplana<br>nswer<br>&ID<br>&ID<br>aterial<br>uestio | ement:   | Ability to<br>Compon<br>(A) Incorn<br>Sump (E<br>eference                      | monitor a<br>ents whic<br>rect - 1CV<br>) Incorrec<br>Title<br>mination<br>lity Exam           | automat<br>h disch<br>/8118 r<br>ct - relie  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>he HUT<br>Facility<br>M-64 sheet  | Pressurizer F<br>(B) Correct - (<br>Reference N<br>5   | Rélief Tank/(<br>relieves to ti<br>umber  | Quench Ta                                 | ) Incorrect             | relieves to  | No: Rev                   | vision  | oor Drain                       | in<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Pro |
|        | A Stat<br>xplana<br>nswer<br>&ID<br>&ID<br>aterial<br>uestio | ement:<br>tion of<br>s:<br>Requirec<br>n Source: | Ability to<br>Compon<br>(A) Incorn<br>Sump (E<br>eference                      | monitor a<br>ents whic<br>rect - 1CV<br>) Incorrec<br>Title<br>mination<br>lity Exam           | automat<br>h dischi<br>/8118 n<br>ct - relie | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>he HUT<br>Facility<br>M-64 sheet  | Pressurizer F<br>(B) Correct - (<br>Reference N<br>5   | Rélief Tank/(<br>relieves to ti<br>umber  | Quench Ta                                 | ) Incorrect             | relieves to  | No: Rev                   | vision  | oor Drain                       | in<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Pro |
|        | A Stat<br>xplana<br>nswer<br>&ID<br>&ID<br>aterial<br>uestio | ement:<br>tion of<br>s:<br>Required<br>n Source  | Ability to<br>Compon<br>(A) Incorn<br>Sump (E<br>eference<br>I for Exa<br>Faci | monitor a<br>ents whic<br>rect - 1CV<br>) Incorrec<br>Title<br>mination<br>lity Exam<br>ts 200 | automat<br>h disch<br>/8118 n<br>ct - relie  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>the HUT<br>Facility<br>M-64 sheet | Pressurizer F<br>(B) Correct - 1<br>Reference N<br>5   | Réfief Tank/(<br>relieves to ti<br>umber  | Quench Ta                                 | e Section               | Page   | No: Re<br>During Tr       | tBldg Fl  | oor Drain                       | in<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Pro |
|        | A Stat<br>xplana<br>nswer<br>&ID<br>&ID<br>aterial<br>uestio | ement:<br>tion of<br>s:<br>Requirec<br>n Source: | Ability to<br>Compon<br>(A) Incorn<br>Sump (E<br>eference                      | monitor a<br>ents whic<br>rect - 1CV<br>) Incorrec<br>Title<br>mination<br>lity Exam<br>ts 200 | automat<br>h disch<br>/8118 n<br>ct - relie  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>the HUT<br>Facility<br>M-64 sheet | Pressurizer F<br>(B) Correct - (<br>Reference N<br>5   | Réfief Tank/(<br>relieves to ti<br>umber  | Quench Ta                                 | e Section               | Page   | b the Cnm<br>No: Re<br>BE | tBldg Fl<br>vision (<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>) | oor Drain                       | in<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Pro |
|        | A Stat<br>xplana<br>nswer<br>&ID<br>&ID<br>aterial<br>uestio | ement:<br>tion of<br>s:<br>Required<br>n Source  | Ability to<br>Compon<br>(A) Incorn<br>Sump (E<br>eference<br>I for Exa<br>Faci | monitor a<br>ents whic<br>rect - 1CV<br>) Incorrec<br>Title<br>mination<br>lity Exam<br>ts 200 | automat<br>h disch<br>/8118 n<br>ct - relie  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>the HUT<br>Facility<br>M-64 sheet | Pressurizer F<br>(B) Correct - 1<br>Reference N<br>5   | Réfief Tank/(<br>relieves to ti<br>umber  | Quench Ta                                 | e Section               | Page   | No: Re<br>During Tr       | tBldg Fl<br>vision (<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>) | oor Drain                       | in<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Provi<br>Pro |
|        | A Stat<br>xplana<br>nswer<br>&ID<br>&ID<br>aterial<br>uestio | ement:<br>tion of<br>s:<br>Required<br>n Source  | Ability to<br>Compon<br>(A) Incorn<br>Sump (E<br>eference<br>I for Exa<br>Faci | monitor a<br>ents whic<br>rect - 1CV<br>) Incorrec<br>Title<br>mination<br>lity Exam<br>ts 200 | automat<br>h disch<br>/8118 n<br>ct - relie  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>the HUT<br>Facility<br>M-64 sheet | Pressurizer F<br>(B) Correct - 1<br>Reference N<br>5   | Réfief Tank/(<br>relieves to ti<br>umber  | Quench Ta                                 | e Section               | Page   | b the Cnm<br>No: Re<br>BE | tBldg Fl<br>vision (<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>) | oor Drain                       | 211<br>121<br>121   |
|        | A Stat<br>xplana<br>nswer<br>&ID<br>&ID<br>aterial<br>uestio | ement:<br>tion of<br>s:<br>Required<br>n Source  | Ability to<br>Compon<br>(A) Incorn<br>Sump (E<br>eference<br>I for Exa<br>Faci | monitor a<br>ents whic<br>rect - 1CV<br>) Incorrec<br>Title<br>mination<br>lity Exam<br>ts 200 | automat<br>h disch<br>/8118 n<br>ct - relie  | tic opera<br>arge to<br>elieves<br>eves to t | ations of the<br>the PRT<br>to the VCT<br>the HUT<br>Facility<br>M-64 sheet | Pressurizer F<br>(B) Correct - 1<br>Reference N<br>5   | Réfief Tank/(<br>relieves to ti<br>umber  | Quench Ta                                 | e Section               | Page   | No: Revie                 | tBldg Fl<br>vision (<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>)<br>(<br>) | oor Drain                       | in<br>in<br>in<br>in<br>in<br>in<br>in<br>in<br>in<br>in<br>in<br>in<br>in<br>i   |

|                         | ak in which of the following co   | mponents will result in an  | n automatic closure c  | f 1CC017, "Component  | Cooling Surge Ta  | nk Vent Valve"   |  |
|-------------------------|---|---|--|---|---|--|--|
|                         |   |   |  |   |   |  |  |
| -1                      |   | · •.  |  | a a series en est   |   |  |  |
|                         |   |   |  |   |   |  |  |
|                         |   |   |  |   |   |  |  |
| a.                      |   |   | · · · · · · · · · · · · · · · · · · ·  | · · · · ·   |   |  |  |
|                         | Seal Water Heat Exchanger   | r   |  | anditalliSiainaidheana.<br>11. 11. Stàitean anns  |   |  | der 12-2                                     |
| b.                      | The second se | anger   | and the second | 利用的自由的现在分词  |   |  | a and  |
| <b>c.</b>               |   | ويحصو والمعادية والمتحاط والمتحاط والمحافظ المتعاد والمتحاطية   |  |   |   |  | 9999 - C                                     |
|                         |   |   |  |   | e san distant an  | Sinformer (1995)   | ei de la |
| d.                      | Waste Gas Compressor Hea  | at Exchanger a statistic and  | 2. – Galletaterr   | an an an an an Albana an   | and the second  | in sign and  |  |
| Answ                    | er c Exam Level R   | Cognitive Level   | Application  | Facility: Braidwood   | od <b>11 Exa</b> n  | nDate:   | 7/40/0                                       |
| KA:                     | 008000K103 K1.03  | RO Value: 2.  | 8* SRO Value:  | 3.0 Section: SYS  |   |  | 7/19/0                                       |
| Syste                   | m/Evolution Title Compor  | nent Cooling Water Syste  |  |   |   | 3 SRO Group  |  |
| KA St.                  |   | physical connections and  |  |   |   | 0  | 08 🙌   |
|                         | following:<br>PRMS  | The second seco<br>second second sec |  |   | onent Cooling Wa  | iter System and the  |  |
|                         | nation of (C) correct - RCS I   | letdown is at a higher pro  | course then the COIN   |   | and the second se | manine in the state of the stat |  |
| Answe                   |   |   |  |   |   |  |  |
| ( Linear and the second | Reference Title   | THE REPORT OF THE PARTY OF THE | y Reference Numbe  | we want to the state of the state | <u>, en al an </u>  | Revision L.O. N  | distant.                                     |
|                         | and the second statistic reader to sugar i  | internet and the second se  |  |   |   |  | umper  |
| Compo                   | onent Cooling Malfunction   | 1BwOA PI  | RI-6   | Attach B  | 27-30   |  |  |
| <u> </u>                |   | ]   |  |   |   |  |  |
| Materia                 | al Required for Examination   |   |  |   |   |  |  |
| Questi                  | on Source: Facility Exam  | Bank Question M   | odification Method:  | Significantly Modifie   | ed I Used Duri  | ng Training Program  |  |
| 3                       | on Source Comments  |   |  |   |   | <u></u>  | 11 L.  |
| Questio                 |   |   |  |   |   |  |  |
|                         |   |   |  |   |   | Reviews Complete   |  |
|                         | ent Type  |   |  | de  | E-particular and  | THE THE STATE STATE  | A  |
|                         | ent Type Comment  |   |  |   |   | Peer   |  |
|                         | ant Type Comment  |   | 71   |   |   |  |  |
|                         | ent Type Comment  |   | 7  |   |   | Peer   |  |

. . .

|  | Ques       | stion Topic  | rediagnosis  |   |                             |   |  |  |   |                |
|--|------------|--------------|--|---|-----------------------------|---|--|--|---|----------------|
|  | With       | Unit 1 ope   | rating at 100% power, the follo  | wing events occurred:   |                             |   | ·····  |  |   |                |
|  |            |              | o, coincident with a loss of Instr   |   |                             | •   |  |  |   |                |
|  | - Al       | Il systems r | responded as expected after th   | e trip  |                             |   |  |  |   |                |
| · ·                                      | With       | NO operat    | or actions, 5 minutes after the t  | rip Steam Generator water l   | evels will h                | e.  |  |  |   |                |
|  |            |              |  |   |                             | <u> </u>  |  |  |   | <u></u>        |
|  |            |              |  |   |                             |   |  |  |   |                |
|  |            |              | AL   |   | 14 <sup>2</sup> 201 2010 10 |   |  |  |   |                |
|  | <b>a</b> : | used.        | than normal post trip response   | due to a delay in ISOLATIN  | G AFW flo                   | w and the Rediagno  | sis procedure 1  | BwEP ES-0  | .0 should be  | 77997   saenti |
| CANAL CONT                               | b.         | HIGHER       | than normal post trip response   | due to a delay in ISOLATIN  | G AFW flo                   | w and the Rediagno  | sis procedure 1  | BWEP ES-0  |   |                |
| an a | <b>.</b>   |              | and the second descent of the second descent of the second descent descent descent descent descent descent des | الأقر والمجرور ويراده والمعادين والمتعاد والمتعاد والمتعاد والمتعاد والمتعاد والمتعاد والمتعاد والمتعاد |                             | and the second  | and a second | an an 1995 an the second s |   | 19 1 - Ang     |
|  |            |              | han normal post trip response o  | due to DECREASED AFW fl   | owland the                  | e Rediagnosis proce   | dure 1BwEP ES  | -0.0 should  | be used in the  | ver lange a    |
| 10109-044<br>1                           | d.         | LOWER t      | han normal post trip response o  | due to DECREASED AFW fl   | ow and the                  | e Rediagnosis proce   | dure 1BwEP ES  | -0.0 should  | NOT be lised  |                |
| ara<br>atatana                           | Answe      |              |  |   |                             |   |  |  |   |                |
|  |            | 00WE01K2     |  |   |                             | acility: Braidwood  |  | mDate:   | 7/19/   | 02             |
| •  |            | 1/Evolution  |  | Value: 3.5 SRO Value  | ······                      | Section: EPE  | RO Group:  | 2 <b>S</b>   | RO Group:   | 1 20           |
| nan in<br>Second                         |            |              |  | hotuco Dediana i  |                             | With the Astronomy Astronomy Astronomy  | ******   |  | E01   |                |
| ·· · · · · · · · · · · · · · · · · · ·   |            | F            | Knowledge of the interrelations<br>Facility's heat removal systems<br>between the proper operation of          | including primany coolant   | • • • • • • • • • • • •     | 1 - 1 - 1 - 1 - 1 - 1   |  |  | 1948  | and the second |
| n (ngan)<br>Ngangan (ngan)               | Explan     |              |  | and a systems to the open   | anou of the                 | a lacility.   | ゴロン がわらい コ   |  | in a come i and be a  |                |
|  | Answer     |              | A loss of inst bus 114 will cause<br>total AFW flow to the SG's, red   |   |                             |   |  |  |   |                |
|  |            |              | events where St has actuated c<br>valves failed open not closed. (   | . incorrect - rediagnosis do  | s not app                   | ined in this case. A,t<br>ly. D. Correct  | <del>) inconect, plau</del>  | sable if AFV   | V flow control  |                |
|  |            |              | eference Title   | Facility Reference Nu   |                             | and the second se |  |  | ېرىمىۋەر بىرىمىرىمىيە بىرىمە<br>بىرىمىدى ئىرىمىيە بىرمەتر قىرىمە بىرىمە |                |
|  | Loss of    | Instrument   |  | 1BwOA ELEC-2  |                             | Reference Section   | Page No  |  | on L.O. Number  |                |
|  | Rediagr    | nosis        |  | 1BwEP ES-0.0  | l                           | Purpose   |  | 7 <u>A</u>   |   | 4              |
|  |            |              |  | Ī   |                             |   |  |  |   |                |
| ŀ  | Material   | Required     | for Examination  |   | •                           |   |  | ······································   |   | 4              |
|  | Questio    | n Source:    | Facility Exam Bank   | Question Modification Met   | hod:                        | Direct From Source  | lised Div  | ina Trainin  | ig Program  |                |
|  | Questio    | n Source (   | Comments 2001 Bwd NRC  |   |                             |   |  | mg rrannin   |   |                |
|  |            |              |  |   |                             |   |  |  |   |                |
|  | Commei     | nt Type      | Comment  | - Andre - The State - Mar   | -<br>                       |   | and the second   | Reviews (  | Complete  | 4              |
|  |            |              |  |   |                             |   |  | Peer   |   |                |
|  |            |              |  |   |                             |   |  | Superviso  | עיי   |                |
|  |            |              |  |   |                             |   |  | Facility   |   |                |
|  |            |              |  |   |                             |   |  |  |   |                |
|  |            |              |  | · · · · · · · · · · · · · · · · · · ·   |                             |   |  |  | 5   | 5              |

| 1 | 1                    | SkyScraper  |  | Skyscraper                 |  | Svstem/Evolu  | tion List   | SRO System/  | Evolution List  | Dutline Ch                                | anges                  |  | Chum                         | 328   |
|---|----------------------|---|--|----------------------------|--|---|---|--|---|---|------------------------|--|------------------------------|---|
|   |                      | stion Topic   |  |                            | Containme  |   |   |  |   |   | *****                  |  |                              | 1   |
| l | Direc                | operating cre<br>tor has class                            | ew is resp<br>sified the               | oonding to<br>event as     | a LOCA c<br>a Site Eme                               | outside of co<br>orgency. The                         | ntainment. Bec<br>e following actic                           | ause of elev<br>ons have be                          | vating Aux Building<br>en initiated / compl                       | Radiation eted:                           | levels, ti             | he acting E                              | mergency                     |   |
|   | - TS<br>- N/<br>- Ef | lassification<br>SC/OSC is b<br>ARs and EN<br>RDS has bee | eing mar<br>S notifica<br>en activia   | nned<br>ations hav<br>ited |  |   |   |  |   |   |                        |  |                              |   |
|   |                      | (1)   |  | e personn                  |  | perform a   | Site(1)   | per pro  | ocedure(2)  | <u> </u>                                  | .• .                   |  |                              |   |
|   | <b>a.</b>            | Evacuation  | )                                      | (2)<br>EP-AA-              | 113 Persor   | nnel Protecti   | ive Actions   |  | and an                        | in an | en and<br>effi vera    | an a |                              | teres and the second |
|   | b.                   | Assembly  |  | EP-AA-                     | 114 Notifica   | ations  |   |  |   |   |                        |  | ing a nameli sa              |   |
|   | c.                   | Assembly  |  | EP-AA-1                    | 113 Person   | nel Protecti  | ve Actions  |  |   |   |                        |  |                              |   |
|   | d.                   | Evacuation  |  | EP-AA-                     | 114 Notifica   | ations  |   |  | · · · · ·   |   |                        |  |                              |   |
|   | Answe                |   | Exam Le                                | Vei                        | Cogr   | iitive Level  | Application   |  | acility: Braidwoo   | <u></u>                                   |                        |  | Rowers La Construction       |   |
|   | KA: [                | DOWE04G11   |  | 2.1.14                     |  |   |   | · · · ·  |   |   | Exam                   | Date:                                    | 7/1                          | 9/02  |
|   |                      | /Evolution  | il                                     |                            |  |   | 2.5 SRO Valu  | ie: 3.3  | Section: EPE  | RO G                                      | roup:                  | 2 SR                                     | O Group:                     | 1   |
|   |                      | tement:   | ······································ | ·····                      | tside Conta  | *****   |   | <u></u>  |   |   | ******                 |  | E04                          | ,   |
|   | Troloo               | ation of (C   | nowledge                               | e of syster                | m status cri   | iteria which  | require the noti  | fication of p  | lant personnel.   | andressian.                               |                        |  | linera apairer -             | <b>—</b>  |
| l | Answei               | s: À  | A-113 for                              | t - the ass<br>onsite pe   | embly of p<br>rsonnel (A<br>n <del>bly is perf</del> | ersonnel is<br>A) Incorrect -<br><del>ormed IAW</del> | the next action<br>- assembly mus<br><del>EP-AA-113. El</del> | to be perfor<br>it be before<br><del>-AA-114 d</del> | med (before the ev<br>evacuation to give<br>eals with offsite not | acuation).<br>a full accou                | This is a<br>unting of | ccomplish<br>all onsite                  | ed under EP-<br>personnel (B | )   |
|   | obard o belo         | <u>fin</u>  | st                                     |                            | - x x2   |   | <u></u>   | <u></u>  |   | the Alexent                               | <u>,</u>               |  |                              |   |
|   |                      | Ref   | erence                                 | Title                      |  | Facili  | y Reference N   | umber  | Reference Section   | n Pa                                      | ige No.                | Bouloio                                  | L.O. Numb                    |   |
| F | Personr              | el Protective   | e Actions                              |                            |  | EP-AA-11  | 3   |  | Attach 4 & 5  | 13  |                        | 2  |                              |   |
|   |                      |   |  |                            |  | Ī   |   |  |   |   |                        |  | J                            |   |
|   |                      |   |  |                            |  | 1   |   | l  |   |   | l                      | · ]                                      | ]]<br>]]                     |   |
|   | laterial             | Required for  | or Exam                                | ination                    | <u> </u>   |   |   |  |   | ] ]                                       |                        |  |                              |   |
| Q | luestio              | n Source:   | New                                    | ****                       |  | Question M  | odification Me  | thod:  |   | Ū   | d Durir                | no Training                              | Program                      |   |
|   | luestio              | n Source Co   | omment                                 | 8                          |  |   |   |  |   |   |                        | -9 (Taning                               | riogram                      |   |
| C | ommei                | nt Type C   | ommen                                  |                            |  | 11.<br>11. 11. 10. 14. 11.                            |   |  |   |   |                        | Reviews C                                | omploto                      |   |
|   |                      |   |  |                            |  |   |   |  |   |   |                        | Peer                                     | emplete                      |   |
|   |                      |   |  | ****                       |  |   |   |  |   |   |                        | Supervisor                               | 9                            |   |
|   |                      | ] [   |  |                            |  |   |   |  |   |   |                        | acility                                  |                              |   |
|   | <u>.</u>             |   |  |                            |  |   |   |  |   |   |                        |  |                              | <u></u>   |

.

| closed            | d after being r          | BwCA-1.2, "LOCA<br>epositioned?            | Outside Conta   | inment", under w  | hat condition w                  | ould 1SI8835, ":   | SI Pumps t          | o Cold Leg I                        | solation V                 | alve", remain                             |  |
|-------------------|--------------------------|--|---|---|----------------------------------|--|---------------------|-------------------------------------|----------------------------|---|--|
| -1                |                          |  |   |   |                                  | ana ang ang ang ang ang ang ang ang ang  |                     |                                     |                            |   |  |
| a.                | RCS pressur              | re is increasing                           | ·   |   | Kalenderer                       | e an   |                     |                                     |                            | Si Katika serier                          |  |
|                   | SI pump disc             | harge pressure is                          | increasing  | n a Angelein<br>An Statistic  | Auto Party inter                 | natio na tier e  | e. Friederic        | <u>s ein strucci</u><br>Profizielen | Contraction<br>Contraction | 2. Personal<br>1991 march 1               | ata in<br>Pietakie   |
| <b>c.</b>         | Pressurizer le           | evel is decreasing                         | Associated Mathematical   | vieneer his distante  | <u>Annana a</u>                  | Netáralan Frida  | <u>Constant</u>     | HERALIS ().                         | (de publicada)             | a denna fina                              | in the second se |
| . d.              | CETC tempe               | ratures are decrea                         | sing :  | and an a state of the state of th | Pyreina menta ana                |  |                     | ine and de                          | leneitice effe             | in an |  |
| Answer            | r a Ex                   | xam Level B                                | Cognitive   | Level Applica   | ation                            | acility: Braid   | wood                | Exam                                | ·<br>Date:                 | 7/1                                       | 19/02  |
|                   | 00WE04K302               | L  | RO Value  |   | Value: 4.0                       | Section: E   | PE R                | O Group:                            | 2 <b>S</b> R               | O Group:                                  | · .1   |
|                   | N/Evolution Ti           |  | side Containme  |   | A data as a second second second | ESPECIAL / /   |                     |                                     |                            | E04                                       | 2013<br>27513  |
|                   | tement: Kno              | owledge of the rea<br>rmal, abnormal and   | sons for the foll<br>d emergency or                                       | owing responses   | s as they apply                  | to LOCA Outside  | e Containn          | nent:                               |                            | V Bally Care                              |  |
| Explana<br>Answer | ation of (A)             | Correct - as stated<br>given in the proced | l in the procedu  | re 1BwCA-1.2 a  | s the leak is isc                | lated with an RC   | S pressur           | e increase. (                       | William South to be        |   |  |
|                   |                          | rence Title                                | n Maria da Table (CENegara yan<br>Manafarata da katalaki mata da katalaki | Facility Referen  | patrices fronting                | Monte in a second  |                     |                                     | ا<br>بر میں ایک میں کر ا   | n L.O. Num                                | 899 S.   |
|                   | Dutside Contai           |  |   | vCA-1.2   |                                  | NOTE   |                     | 4                                   | 1A WOO                     |   |  |
|                   |                          | a anticipation de la para                  |   |   | res sector                       |  |                     |                                     |                            | र्थ<br>स्टब्स् स्टब्स्                    |  |
|                   |                          |  | I   |   |                                  |  |                     | ]                                   |                            |   | ]  |
|                   |                          | r Examination                              |   |   |                                  |  |                     | `````                               |                            |   |  |
|                   | n Source:                | New  | Ques  | tion Modificatio  | n Method:                        |  |                     | Used Durin                          | g Trainin                  | g Program                                 |  |
| Questio           | n Source Co              | nments                                     |   |   |                                  |  | line faithe and gen |                                     |                            |   |  |
| Commer            | nt Type Co               | omment 4                                   | 44<br>  | international design of the second | (99)                             | Special Street, St |                     |                                     | Reviews C<br>?eer          | omplete                                   |  |
|                   | manufacture and a second |  |   |   |                                  |  |                     |                                     | Gel []                     |   | 1  |
|                   |                          | ······                                     |   |   |                                  |  |                     |                                     | Superviso                  | N   |  |

|   | Ques           | stion Topi  | c Pres                 | surized Th   | nermal Sho                | ck                                      |                               |                     |                                       |                             |  |                               |                           | 1            |
|---|----------------|---|------------------------|--------------|---------------------------|---|-------------------------------|---------------------|---------------------------------------|-----------------------------|--|-------------------------------|---------------------------|--------------|
|   | The f          | following c   | onditions              | exist on L   | Jnit 1                    |   |                               |                     |                                       |                             |  |                               |                           |              |
|   | - Cr<br>  - Al | team gene<br>rew is perf<br>I RCP's ar<br>pop 1A Tc | orming the<br>OFF      | e initial R  | re has occu<br>CS cooldow | irred<br>/n step of 1B\                 | wEP-3, "Steam                 | Generator           | Tube Rupture"                         |                             |  |                               |                           |              |
|   | The S          | STA has re  | ported a               | n ORANGI     | E path on R               | CS Integrity.                           |                               |                     |                                       |                             |  |                               |                           |              |
|   | The U          | Jnit Super  | isor sho               | uld(         | (1) be                    | ecause                                  | (2):                          | t s (1              | Nog 441                               |                             |  |                               |                           |              |
|   | 141223A        | (1)   |                        | ariya a      | n<br>Antonia<br>Antonia   | · · ·                                   | (2)                           |                     |                                       | ·                           |  |                               | Shirikan an               |              |
| n shining<br>Madaleng<br>Tradicing  | a.             | Remain i<br>RCS dep                                 | n 1BwEF<br>ressuriza   | -3 until the | e second<br>nplete        | – Co<br>To                              | old injection wa              | ater is coolir      | g Loop 1A                             | States -                    |  | an Circian                    |                           |              |
| en de Server (1995), 1.<br>1999 : Server III (1995), 1.<br>2017 : Server III (1995), 1.<br>1999 : Server III (1995), 1. | b.             | Immediat<br>"Respon                                 | ely trans<br>se to Imr | tion to 1B   | wFR-P.1,                  |   |                               |                     | the CSF                               |                             |  |                               |                           |              |
|   | · c.           | Transitior<br>the initial                           | to 1BwF<br>cooldow     | R-P.1 as     | soon as                   | Co                                      | oldown in 1Bw<br>er 1BwFR-P.1 | EP-3 takes          | priority                              |                             | an searchaile<br>An Staine Staine<br>An Staine Staine Staine |                               |                           |              |
| · •   | <b>d.</b>      | Remain ir<br>SGTR rec                               | 1BwEP                  | -3 until the | appropriate               |   | RCP will be s                 | tarted in 1E        | wEP-3                                 |                             |  |                               | (*<br>                    |              |
| •   | Answei         |   | Exam 1                 |              |                           | nitive Level                            | Application                   | <                   | cility: Braidw                        | vood                        | Exam   |                               |                           | 9/02         |
|   | KA:            | 00WE08A   | 202                    | EA2.2        | RO                        | Value: 3                                | 5 SRO Valu                    |                     | Section: EP                           |                             | Group:   |                               |                           | 9/02         |
| l. diak   | System         | /Evolutio   | n Title                | Pressuri     | zed Therma                | al Shock                                |                               |                     |                                       |                             | Group.   |                               | Group:                    | <u>1</u> •   |
| ki ka la  | KA Stat        |   | Ability to             | determine    | and interpr               | ret the followi                         | ng as they app                | ly to Press         | rized Thermol S                       | e                           |  | alst Patrice                  | <u>EU0</u>                |              |
| ્યત્ર સંસ્કૃત્ય<br>સંસ્કૃત છેર ક  | Explana        | ation of  | (A) corre              | ct - per 1B  | wEP-3 Cau                 | edures and c                            | peration within               | n the limitati      | ons in the facility                   | 's license a                | nd amend   | ments.                        | estate . A.               |              |
|   | Answer         | 1   |                        | (C) Incor    |                           |   |                               | ompreuori           | p 28 (B) Incorre<br>of step 28 (D) In | ct - same c<br>correct - ca | aution stat<br>ution say v                                   | es NOT to c<br>vait until ste | lo FR-P.1 al<br>p.28, not | して<br>か<br>新 |
|   |                |   |                        |              |                           | <u>al an an an an</u><br>Alata an an an |                               | <u>nave biograf</u> |                                       |                             |  |                               | and and a second          |              |
|   | SGTR           | <u> </u>  | ererence               | THE          | <u></u>                   | Facility<br>1BwEP-3                     | Reference N                   | umber               | Reference Sec                         |                             | Page No.   |                               | L.O. Numb                 | er iz        |
|   |                |   |                        |              |                           |   |                               |                     | step 6, 28                            |                             | 10,36  | 100WO                         |                           |              |
|   |                |   |                        |              |                           |   |                               |                     |                                       |                             | ]<br>  | ]                             | <u> </u>                  |              |
|   | Material       | Required  | for Exa                | nination     |                           |   |                               |                     | ****                                  |                             |  |                               |                           |              |
|   | Question       | n Source:   | New                    |              |                           | Question Mo                             | dification Me                 | thod:               |                                       |                             | sed Durin  | g Training                    | Drogway                   |              |
|   | Questior       | n Source  | Commer                 | ts           |                           |   |                               |                     |                                       | J [2]                       |  | y manning                     | riogram                   |              |
|   | Commen         | nt Type   | Comme                  | nt           |                           |   |                               |                     |                                       |                             |  | ·                             |                           |              |
| 1   | SRO            |   |                        |              |                           | s, procedure                            |                               |                     | - And                                 |                             |  | Reviews Col                   | mplete                    |              |
|   |                |   |                        |              |                           |   |                               |                     |                                       | ****                        |  | veer                          | 1                         |              |
| .   |                |   |                        | *****        |                           | *****                                   |                               |                     |                                       |                             |  | acility                       |                           |              |
| I   |                |   |                        |              |                           |   |                               | •                   |                                       |                             |  | RC                            |                           |              |
|   |                |   |                        |              |                           |   |                               | ······              |                                       |                             | I  |                               | <br>E                     | 53           |

| 1   | 1   | essurized Therma  |                         |  |  |   |   |  |   |  |   |
|---|---|---|-------------------------|--|--|---|---|--|---|--|---|
| Which   | h of the following i  | reflects the intent   | t of the m              | ajor actions   | performed in   | 1BwFR-P.                                | .1, "Respon   | se to Imminer  | nt Pressurized  | Thermal S  | hock"?                                    |
| -1  |   |   |                         |  |  |   |   |  |   |  |   |
|   |   |   |                         |  |  |   |   |  |   |  |   |
|   |   |   |                         |  |  |   |   |  |   |  |   |
|   |   |   |                         |  |  |   |   |  |   |  |   |
|   | ¢ie s<br>−  |   |                         |  |  |   |   |  |   | e dina   |   |
|   | Reduce PCS on   |   |                         |  |  |   |   | (1)<br>(1)<br>(1)<br>(1)<br>(1)<br>(1)<br>(1)<br>(1)<br>(1)<br>(1) |   |  |   |
|   | Reduce RCS coo  |   | decrease                | RCS pressu   | lre,   |   | and a second second   |  | Section 25  |  | ki en |
| 6.  | Reduce RCS coo  | oldown rate and i   | increase l              | RCS pressu   | re ostat   | na consecution<br>Notaerration          | entres contrast<br>Altres de la contrasta de la co<br>Altres de la contrasta de la co | ann an an ann an an an an an an an an an                           |   |  |   |
|   |   |   | ininstanning Aspen      | - marine the state of the state | A real states and a second second                              | 1942.007                                |   |  |   |  |   |
| c.  | Increase RCS co   | oldown rate and   | decrease                | e RCS press  | ure  | ··                                      |   | والمترجع والمترجع المترجع والمترجع                                 | 3.2.(ž  |  | <u></u>                                   |
| d.  | Increase RCS co   |   |                         | PCS proce  |  |   | STAR AN   | ويو موجود المجرم المحجري   | -<br>. :  |  | ·   |
|   |   |   |                         |  |  |   | <br>-   |  |   |  |   |
| Answer  | a Exam  | Level B   | Cognit                  | ive Level  | Memory   | ĪĒ                                      | acility: B  | Braidwood  | Exam  | Date   | 7/19/0                                    |
| KA: 0   | 0WE08K302   | EK3.2   | RO Va                   | alue: 3.6  | SRO Value  | 4.0                                     | Section:  | 3  |   |  |   |
| System  | /Evolution Title  | Pressurized T   | hermal S                | Shock  |  |   | occaron.  |  | RO Group:   |  | O Group:                                  |
| KA Stat   | ement: Knowle   | dge of the reaso  | ns for the              | following re   | Shoncoc oc th  | <u> </u>                                |   |  | المحالية كالمحي التأكير.<br>وقد الأكار الجرائي المكافرة | e da gorante da serie br>En esta da serie da s | E08                                       |
|   | Normal  | , abnormal and e  | mergenc                 | y operating  | orocedures as in   | ey apply t                              | lo Pressuriz  | ed Thermal S   | hock:   | 1  | and the first                             |
|   |   |   |                         |  | 100000000000000000000000000000000000000                        | sociated v                              | with (Pressu  | rized Therma   | Shock)  |  |   |
| Explana<br>Answer                                     | (C,D) in  | correct - increasi  | ina the cr              | noldown rate   | increases the  | the same of a                           | -4  | ) incorrect, ind   | creasing RCS  | pressure ir  | Creases the                               |
| Explana<br>Answer:                                    | (C,D) in  | correct - increasi<br>s (A) Correct - re  | ina the cr              | oldown rate<br>ermal and pr  | increases the<br>essure stresse                                | e thermal s<br>es, per 1B               | stresses. (B<br>WFR P.1   | ) incorrect, inc   | creasing RCS  | pressure ir  | Creases the                               |
| Answers   | s: Reference  | correct - increasi<br>s (A) Correct - rec<br>ce Title                             | ing the co<br>duces the | ooldown rate<br>ermal and pr   | increases the  | e thermal s<br>es, per 1B               | stresses. (B<br>WFR P.1   | ) incorrect, inc   | creasing RCS  | and and the second s  | ncreases the                              |
| Answers   | Reference<br>se to Imminent PT  | correct - increasi<br>s (A) Correct - re<br>se Title                              | ing the co<br>duces the | ooldown rate<br>ermal and pr   | increases the<br>essure stresse                                | e thermal s<br>es, per 1B               | stresses. (B<br>WFR P.1   | ) incorrect, inc   | creasing RCS  | Revision   | Creases the                               |
| Answers   | s: Reference  | correct - increasi<br>s (A) Correct - re<br>se Title                              | ing the co<br>duces the | Facility   | increases the<br>essure stresse                                | e thermal s<br>es, per 1B<br>imber      | stresses. (B<br>WFR P.1   | ) incorrect, inc   | Page No.  | and and the second s  | ncreases the                              |
| Answers   | Reference<br>se to Imminent PT  | correct - increasi<br>s (A) Correct - re<br>se Title                              | ing the co<br>duces the | Facility   | increases the<br>essure stresse<br>Reference Nu                | e thermal s<br>es, per 1B<br>imber      | stresses. (B<br>WFR P.1   | ) incorrect, inc   | Page No.  | Revision   | ncreases the                              |
| Answers<br>Respons<br>Respons                         | Reference<br>se to Imminent PT  | correct - increasi<br>s (A) Correct - re-<br>se Title                             | ing the co<br>duces the | Facility   | increases the<br>essure stresse<br>Reference Nu                | e thermal s<br>es, per 1B<br>imber      | stresses. (B<br>WFR P.1   | ) incorrect, inc   | Page No.  | Revision   | ncreases the                              |
| Answers<br>Respons<br>Respons<br>Material             | Reference<br>se to Imminent PT<br>se to Imminent PT<br>Required for Exa               | icorrect - increasi<br>s (A) Correct - re-<br>se Title                            | ing the cc<br>duces the | Facility<br>Facility<br>BwFR-P.1<br>Background   | increases the<br>essure stresse<br>Reference Nu<br>Document P- | e thermal s<br>es, per 1B<br>imber<br>1 | stresses. (B<br>wFR P.1<br>Reference  | ) incorrect, inc   | Page No.           3-22           1                     | Revision<br>1A, WO<br>1  | LO: Numbe                                 |
| Answers<br>Respons<br>Material<br>Question            | Referencese to Imminent PT<br>se to Imminent PT<br>Required for Excent<br>Source: Fac | Correct - increasi<br>s (A) Correct - re-<br>se Title<br>S<br>S<br>S<br>amination |                         | Facility<br>Facility<br>BwFR-P.1<br>Background   | increases the<br>essure stresse<br>Reference Nu                | e thermal s<br>es, per 1B<br>imber<br>1 | stresses. (B<br>WFR P.1   | ) incorrect, inc   | Page No.  | Revision<br>1A, WO<br>1  | LO: Numbe                                 |
| Answers<br>Respons<br>Material<br>Question            | Reference<br>se to Imminent PT<br>se to Imminent PT<br>Required for Exa               | correct - increasi<br>s (A) Correct - re<br>Title<br>S<br>S<br>S<br>amination     |                         | Facility<br>Facility<br>BwFR-P.1<br>Background   | increases the<br>essure stresse<br>Reference Nu<br>Document P- | e thermal s<br>es, per 1B<br>imber<br>1 | stresses. (B<br>wFR P.1<br>Reference  | ) incorrect, inc   | Page No.           3-22           1                     | Revision<br>1A, WO<br>1  | LO: Numbe                                 |
| Answers<br>Respons<br>Respons<br>Material<br>Question | Referencese to Imminent PT<br>se to Imminent PT<br>Required for Exa<br>Source: Fac    | amination   | ing the cc<br>duces the | Pacific Pacifi | increases the<br>essure stresse<br>Reference Nu<br>Document P- | e thermal s<br>es, per 1B<br>mber<br>1  | stresses. (B<br>wFR P.1<br>Referenc   | ) incorrect, ind   | Page No.  | Revision<br>1A, WO<br>1  | LO: Numbe                                 |
| Answers<br>Respons<br>Material<br>Question            | Referencese to Imminent PT<br>se to Imminent PT<br>Required for Exa<br>Source: Fac    | amination   | ing the cc<br>duces the | Pacific Pacifi | increases the<br>essure stresse<br>Reference Nu<br>Document P- | e thermal s<br>es, per 1B<br>mber<br>1  | stresses. (B<br>wFR P.1<br>Referenc   | ) incorrect, inc   | Page No.  | Revision<br>1A, WO<br>1  | Program                                   |
| Answers<br>Respons<br>Respons<br>Material<br>Question | Referencese to Imminent PT<br>se to Imminent PT<br>Required for Exa<br>Source: Fac    | amination   | ing the cc<br>duces the | Pacific Pacifi | increases the<br>essure stresse<br>Reference Nu<br>Document P- | e thermal s<br>es, per 1B<br>mber<br>1  | stresses. (B<br>wFR P.1<br>Referenc   | ) incorrect, ind   | Page No. 3-22 1 Used Durir                              | Revision<br>1A, WO<br>1<br>g Training<br>Reviews Cc<br>Peer  | Program                                   |
| Answers<br>Respons<br>Respons<br>Material<br>Question | Referencese to Imminent PT<br>se to Imminent PT<br>Required for Exa<br>Source: Fac    | amination   | ing the cc<br>duces the | Pacific Pacifi | increases the<br>essure stresse<br>Reference Nu<br>Document P- | e thermal s<br>es, per 1B<br>mber<br>1  | stresses. (B<br>wFR P.1<br>Referenc   | ) incorrect, ind   | Page No. 3-22 1 Used Durir Used Durir                   | Revision   | Program                                   |
| Answers<br>Respons<br>Respons<br>Material<br>Question | Referencese to Imminent PT<br>se to Imminent PT<br>Required for Exa<br>Source: Fac    | amination   | ing the cc<br>duces the | Pacific Pacifi | increases the<br>essure stresse<br>Reference Nu<br>Document P- | e thermal s<br>es, per 1B<br>mber<br>1  | stresses. (B<br>wFR P.1<br>Referenc   | ) incorrect, ind   | Page No. 3-22 1 Used Durir Used Durir                   | Revision<br>1A, WO<br>1<br>g Training<br>Reviews Cc<br>Peer  | Program                                   |

. 1

| ac                              | cident EXCI                                      | EPT:                                      | ts, all of the fo | lowing preclu   | de the hot fuel rod  | in the core fro   | m undergoing DNB durin   | g a loss of fo  | rced coolan   | nt flow  |
|---------------------------------|--|---|-------------------|---|--|---|--|---|---|--|
|                                 |  |   |                   |   |  |   | ***************************************  |   |   |  |
|                                 |  |   |                   |   |  |   |  |   |   |  |
|                                 |  |   |                   |   |  |   |  |   |   |  |
|                                 |  |   |                   | · .   |  |   |  |   |   |  |
| a                               | . QPTR   | ······································    |                   | time the second   |  |   |  |   |   |  |
|                                 |  |   |                   | na an a  | an an an an air an   | en de la companya de          | stelicie Roche, prostance<br>Administra  | an<br>Garren an   | لومانيا وتحجونا الإسماط   | and a second |
| b                               | FQz  | 1995 (Series 2009)<br>                    |                   | en her sold   |  | With<br>States of the second |  | tentia a co   | 4884 CET 56-5   | itari yawa   |
| c                               | FNdH   |   |                   |   |  |   |  |   |   | i companda a s   |
|                                 | DNBR   | 1. A. |                   | n dan serie |  | ****  |  | en en los partes de la companya de<br>La companya de la comp |   | 348 <b>3</b> 01 (8719) - 2414 (  |
|                                 |  |   |                   | ···   | · 建铅化G. ,前   | e Cwellerale  | ne de la companya de<br>La companya de la comp   |   | ing state of the second se  | tti o <b>x</b> acadosa   |
| Ansv                            | ver c  | Exam L                                    | evel S            | Cognitive L   | evel Memory  | Fa  | cility: Braidwood  | Exam  |   | 7/19/0   |
| KA:                             | 00WE094  | 202                                       | EA2.2             | RO Value:   | 3.4 SRO Va   | lue: 3.8  | Section: EPE R   | O Group:  |   | ) Group:   |
| Syste                           | em/Evolutio                                      | on Title                                  | Natural Circu     | ulation Operation   | ons  |   | The Wat of the West of the Wat of the West |   |   | E09  |
|                                 | tatement:  | Ability to                                | determine and     | d interpret the   | following as they a  | only to Natura  | Circulation Operational  |   | na da internetionalista da la constante da la |  |
| Expla                           |  | 1. anorene                                | se to approprie   | ate procedures  | and operation with   | nin the limitation  | ons in the facility's license  | and amend   | mente ·   |  |
|                                 | /ers:  | response                                  |                   |   | a loos of now acci   | uent. 15 basi   | orced flow. FQz 3.2.1, Q<br>s 3.2.2  | PTR 3.2.4, E  | NBR 3.2.5   | (C) conrect  |
|                                 |  |   |                   | general strengther and the second   | and the state of the second state of the secon | 16.201  | 的复数形式中华的分子的分子  | 4. A. Martin (1997)   | 之物的心的。  | No. of the distance  |
|                                 |  |   | Title             | 1   | acility Reference  | Number 200  | Poteriones Calific   |   |   |  |
| 1 consideration                 | Specs  | Reference                                 | Title             |   | acility Reference  | Lines of the plant Lines of the plant   | Reference Section  | Page No:  |   | L.O. Number  |
| 1 consideration                 | Second 70  | Reference                                 | Title             | Basi  | S  | Lines of the plant Lines of the plant   | 3.2.1,3.2.2,3.2.4,3.2.5  | Page No.  | Revision<br>22,23,0   | LO: Number   |
| 1 consideration                 | Second 70  | Reference                                 | Title             | Basi  | s the transfer   | ale suite 1   |  | Page No:  |   |  |
|                                 | Specs  | Reference                                 | Title             | Basi  | S Transformer (Sec. 1997)  | ale suite 1   | 3.2.1,3.2.2,3.2.4,3.2.5  |   | 22,23,0   |  |
| Tech                            | Specs  | Reference<br>d for Exan                   | Title<br>nination | Basi  | S Contraction of the second seco   |   | 3.2.1,3.2.2,3.2.4,3.2.5  |   | 22,23,0   |  |
| Mater<br>Quest                  | Specs  | Reference<br>d for Exan                   | nination          | Basi  | S Transformer (Sec. 1997)  |   | 3.2.1,3.2.2,3.2.4,3.2.5  |   | 22,23,0   |  |
| Mater<br>Quest                  | Specs<br>ial Require                             | Reference<br>d for Exan                   | nination          | Basi  | S Contraction of the second seco   |   | 3.2.1,3.2.2,3.2.4,3.2.5  |   | 22,23,0   |  |
| Tech<br>Mater<br>Quest          | Specs<br>ial Require                             | d for Exan                                | nination ts       | Basi  | s<br>on Modification N   | fethod:   | 3.2.1,3.2.2,3.2.4,3.2.5  | Used Durir  | 22,23,0   | Program  |
| Tech<br>Mater<br>Quest          | Specs<br>ial Require<br>ion Source<br>ion Source | d for Exan<br>New<br>Commen               | nination ts       | Questi  | S Contraction of the second seco   | fethod:   | 3.2.1,3.2.2,3.2.4,3.2.5  | Used Durir  | 22,23,0   | Program  |
| Tech<br>Mater<br>Quest<br>Quest | Specs<br>ial Require<br>ion Source<br>ion Source | d for Exan<br>New<br>Commen               | Title nination ts | Questi  | s<br>on Modification N   | fethod:   | 3.2.1,3.2.2,3.2.4,3.2.5  | Used Durir  | 22,23,0   | Program  |
| Tech<br>Mater<br>Quest<br>Quest | Specs<br>ial Require<br>ion Source<br>ion Source | d for Exan<br>New<br>Commen               | Title nination ts | Questi  | s<br>on Modification N   | fethod:   | 3.2.1,3.2.2,3.2.4,3.2.5  | Used Durir  | 22,23,0   | Program  |

| સંદેશિત છે.<br>સ્વત્યત્વે છે.          | a.                 | Provides the              | heat removal mec   | (1) The first sector as a sector sector.  | vessel head area   | Real State  | on an an Irrento<br>2019 (Centro Josef)<br>alantara Schulard  | e<br>Eksteration   | We fully four                         |  |
|--|--------------------|---------------------------|--|---|--|---|---|--|---------------------------------------|--|
| at iv                                  | b.                 | Aids in natur             | al circulation flow t  | through the RCS   | S vessel head region   | hadros du seles   | દલ જાઈ કો ન ફિર્દી અને સ  | S. 208 4   | the Alexandra                         | Har de manserare an  |
|  | c.                 | Prevents erra             | atic indication of SI  | R instruments   | ritin andreas and the second | a en la contractione de br>La contractione de la contractione de | in distances and the second | <u>domenta pro</u><br>Anticada (SA   |                                       | norden lagender der  |
|  | d.                 |                           | al circulation flow t  |   |  | with with with  |   |  |                                       |  |
|  | Anewo              |                           | ·  |   |  | no ou - prove - Secolo  | 2.40%3.049, 41.7  |  |                                       | and a second |
| j  -                                   | Answe              |                           | kam Level B  | Cognitive   |  | Facility:   | Braidwood   | Exa  | mDate:                                | 7/19/02  |
| an and                                 | · ·                | 00WE09K202                |  | RO Value  |  | 3.9 Section   | : EPE   | O Group:   | 1 SRO                                 | Group: 1   |
| 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. |                    | v/Evolution Ti            |  | culation Operat   |  | an a  |   | Second Support and and support in the second s | Mar al Elization                      | E09  |
|  | KA Sta             | tement: Kno               | owledge of the inte<br>cility's heat remove  | errelations betwo   | een Natural Circulation O  | erations and th   | e following:  | rr til <del>l</del> warser   |                                       | 推动飞船 。   |
| С<br>Г                                 |                    |                           | the second s | p stadon of allos   | ding primary coolant, emo<br>e systems to the operation  | i oi ule laciity.   |   |  | ご能にたたみつかり                             | The second second  |
|  | Explan<br>Answei   | ation of CR<br>rs: SR     | DM fans cool the u<br>NI's,  | ıpper head regi   | on that may not be cooled  | by natural circi  | lation flow. Rx (   | avity vent   | fans provide o                        | oolina to the  |
|  |                    | Refe                      |  | diat d'ancé persona   | 新的ANA 在1894年1964年1964  | ner. <b>Iner</b> ie   | the first of the Pility   | <u>teraretter</u>  | <u>Markas</u> tr                      | The second second  |
| ſ                                      |                    | eries LP                  |  |   | acility Reference Numb<br>P-XL-01  | er Refere   | nce Section   | Page No  |                                       | L.O. Number  |
| -1                                     | Natural            | Circulation Co            | oldown   | in the second descent fragments of the second se | /EP ES-0.2   | Step 22   |   | 38   | 13<br>WOG1C                           | 3  |
|  |                    |                           |  |   |  |   |   | ] <u> </u><br>]  |                                       | []   |
|  |                    |                           |  | •   | · · ·  |   |   | J [  |                                       |  |
|  | Vateria            | Required for              | Examination  | 1   |  |   |   |  |                                       | 1  |
|  |                    |                           | r Examination  | 3 1   | ion Modification Mother  |   |   | ĩ la sometica com  |                                       |  |
|  | Questio            | n Source:                 | Facility Exam Ba   | nk Quest  | ion Modification Methoc  | : Direct Fro  | om Source   | Used Du  | ring Training                         | Program  |
| E                                      | Questio            |                           | Facility Exam Ba   | 3 1   | ion Modification Methoo  | Direct Fro  | om Source   | Used Du  | ring Training )                       | Program  |
|  | Questio<br>Questio | n Source:<br>n Source Cor | Facility Exam Bar  | nk Quest  | ion Modification Methoo  | Direct Fro  | om Source   | Used Du  |                                       |  |
|  | Questio<br>Questio | n Source:<br>n Source Cor | Facility Exam Bar  | nk Quest  | ion Modification Methoo  |   | om Source   | Used Du  | ing Training I<br>Reviews Cor<br>Peer |  |

| a.       Increase       Increase         b.       Increase       Decrease         c.       Decrease       Decrease         c.       Decrease       Decrease         d.       Decrease       Increase         Answer       d       Exam Level       R         Cognitive Level       Application       Facility         Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       Explanation of         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, sternoved (C  | a       Increase       Increase         b       Increase       Decrease         c       Decrease       Decrease         d       Decrease       Increase         g       System/Evolution Title       Natural Circulation with Ste  | Increase       Increase         Increase       Decrease         C       Decrease         Decrease       Decrease         Answer       d         Exam Level       R         Cognitive Level       Application         Facility       Braidwood         Exam Level       R         Cognitive Level       Application         Facility       Braidwood         Exam Level       R         Cognitive Level       Application         Facility       Braidwood         ExamDate:       7/19/02         (A:       00WE10A102         EA1.2       RO Value         3.6       SRO Value         3.8       Section:         EPE       RO Group:         1       SRO Group:         1   | Increase       Increase         Increase       Decrease         C       Decrease         Decrease       Decrease         Answer       d         Exam Level       R         Cognitive Level       Application         Facility       Braidwood         Exam Level       R         Cognitive Level       Application         Facility       Braidwood         ExamDate:       7/19/02         K&       OOWE10A102         EA1.2       RO Value         3.6       SRO Value         3.8       Section:         EPE       RO Group:         1       SRO Group:  | Increase     Increase     Increase     Decrease     Decrease | a.       Increase       Increase         b.       Increase       Decrease         c.       Decrease       Decrease         d.       Decrease       Decrease         d.       Decrease       Increase         d.       Dovertion time       Revel         d.       System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS <t< th=""><th>a       Increase       Increase         b       Increase       Decrease         c       Decrease       Decrease         d       Decrease       Decrease         d       Decrease       Increase         d       Decrease       Increase         d       Decrease       Increase         d       Exam Level       R       Cognitive Level       Application         K&amp;       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Explanation of system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&amp;B) incorrect - pressure decreases as inventory is system. Pressure decreases as inventory is system. Pressure decreases as inventory is insure decreases as inventory is insured (C) finceneet - fevel increases as youd form</th><th>a       Increase       Increase         b       Increase       Decrease         c       Decrease       Decrease         d       Decrease       Decrease         d       Decrease       Increase         d       Decrease       Increase         d       Decrease       Increase         d       Exam Level       R       Cognitive Level       Application         K&amp;       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Explanation of system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&amp;B) incorrect - pressure decreases as inventory is system. Pressure decreases as inventory is system. Pressure decreases as inventory is insure decreases as inventory is insured (C) finceneet - revel increases as youd form</th><th>a       Increase       Increase         b       Increase       Decrease         c       Decrease       Decrease         d       Decrease       Increase         d       Decrease       Increase         d       Decrease       Increase         d       Exam Level       R       Cognitive Level         Answer       d       Exam Level       R         Cognitive Level       Application       Facility:       Braidwood         K&amp;       Downer 10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Explanation of<br/>system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&amp;B) incorrect - pressure decreases as inventory is       Immoved (C) fmorect - fevel increases as yids form         Immoved (C) fmorect - fevel increases as yids form       Immoved contenses as inventory is       Immoved contincreases as inventory is    <th>a       Increase       Increase         b       Increase       Decrease         c       Decrease       Decrease         d       Decrease       Increase         d       Decrease       Increase         d       Decrease       Increase         d       Exam Level       R       Cognitive Level         Answer       d       Exam Level       R         Cognitive Level       Application       Facility:       Braidwood         K&amp;       Downer 10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Explanation of<br/>system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&amp;B) incorrect - pressure decreases as inventory is       Immoved (C) fmorect - fevel increases as yids form         Immoved (C) fmorect - fevel increases as yids form       Immoved contenses as inventory is       Immoved contincreases as inventory is    </th></th></t<> | a       Increase       Increase         b       Increase       Decrease         c       Decrease       Decrease         d       Decrease       Decrease         d       Decrease       Increase         d       Decrease       Increase         d       Decrease       Increase         d       Exam Level       R       Cognitive Level       Application         K&       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Explanation of system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is system. Pressure decreases as inventory is system. Pressure decreases as inventory is insure decreases as inventory is insured (C) finceneet - fevel increases as youd form   | a       Increase       Increase         b       Increase       Decrease         c       Decrease       Decrease         d       Decrease       Decrease         d       Decrease       Increase         d       Decrease       Increase         d       Decrease       Increase         d       Exam Level       R       Cognitive Level       Application         K&       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Explanation of system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is system. Pressure decreases as inventory is system. Pressure decreases as inventory is insure decreases as inventory is insured (C) finceneet - revel increases as youd form   | a       Increase       Increase         b       Increase       Decrease         c       Decrease       Decrease         d       Decrease       Increase         d       Decrease       Increase         d       Decrease       Increase         d       Exam Level       R       Cognitive Level         Answer       d       Exam Level       R         Cognitive Level       Application       Facility:       Braidwood         K&       Downer 10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Explanation of<br>system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is       Immoved (C) fmorect - fevel increases as yids form         Immoved (C) fmorect - fevel increases as yids form       Immoved contenses as inventory is       Immoved contincreases as inventory is <th>a       Increase       Increase         b       Increase       Decrease         c       Decrease       Decrease         d       Decrease       Increase         d       Decrease       Increase         d       Decrease       Increase         d       Exam Level       R       Cognitive Level         Answer       d       Exam Level       R         Cognitive Level       Application       Facility:       Braidwood         K&amp;       Downer 10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Explanation of<br/>system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&amp;B) incorrect - pressure decreases as inventory is       Immoved (C) fmorect - fevel increases as yids form         Immoved (C) fmorect - fevel increases as yids form       Immoved contenses as inventory is       Immoved contincreases as inventory is    </th> | a       Increase       Increase         b       Increase       Decrease         c       Decrease       Decrease         d       Decrease       Increase         d       Decrease       Increase         d       Decrease       Increase         d       Exam Level       R       Cognitive Level         Answer       d       Exam Level       R         Cognitive Level       Application       Facility:       Braidwood         K&       Downer 10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Explanation of<br>system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is       Immoved (C) fmorect - fevel increases as yids form         Immoved (C) fmorect - fevel increases as yids form       Immoved contenses as inventory is       Immoved contincreases as inventory is   |
|---|--|---|---|--|---|--|--|---|--|
| E       Increase       Decrease         Decrease       Decrease         Answer       d       Exam Level         R       Cognitive Level       Application         Facility       Braidwood       ExamDate         7/19/02       KAS       00WE10A102       EA1.2         RO Value:       3.6       SRO Value:       3.8         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KAS Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement       Ability to operate and / or monitor the facility.       Explanation of         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary.         Increases, fluid flashes to steam displacing pre-level. (A&B) incorrect - pressure decreases as inventory is         Increase       Facility Reference Number       Reference Section       Page No.       Revision<  | b.       Increase       Decrease         c.       Decrease       Decrease         d.       Decrease       Increase         Answer       d       Exam Level       R         Cognitive Leve       Application       Facility       Braidwood       ExamDate:       7/19/02         KAS       00WE10A102       EA1.2       RO Value:       3.6]       SRO Value:       3.8]       Section:       EPE       RO Group:       1       SRO Croup:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10       E10         KA Statement       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Variantion of inswers:       O) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary is system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is increases  | E.       Increase       Decrease         G.       Decrease       Decrease         Answer       d       Exam Level       R         Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       OOWE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       1         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of system. Pressure decreases, fluid flashes to steam displacing part level. (A&B) incorrect - pressure decreases as inventory is intensored (C) fincment - tevel increases as ruids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       C. Number  | Encrease       Decrease         Decrease       Decrease         Answer       Decrease         Increase       Increase         Answer       ExamLevel         R       Cognitive Level         Application       Facility         Braidwood       ExamDate         7/19/02         Ka:       OOVE10A102         EA1.2       RO Value:         3.6       SRO Value:         3.8       Section         EPE       RO Group         1       SRO Croup:         11       System/Evolution Title         Natural Circulation with Steam Void in Vessel with/without RVLIS         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary.         Innover       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary.         Innover       (D) Correct - rapidly increases as vuids form         Reference Title       Facility Reference Number         Reference Title       Facility Reference Number  | Increase       Decrease         Decrease       Decrease         Decrease       Decrease         Increase       Increase         Answer       d         Exam Level       R         Cognitive Level       Application         Facility:       Braidwood         ExamDate:       7/19/02         K&       00WE10A102         EA1.2       RO Value:       3.6         SRO Value:       3.8       Section:         EPE       RO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         CA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Coperating behavior characteristics of the facility.       Examples       Examples         Explanation of       (0) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is imorved (C) fincorrect - revel fincreaseg as voids firm         Re   | Decrease       Decrease         C       Decrease         Decrease       Decrease         Answer       Decrease         Increase       Increase         Answer       Exam Level         R       Cognitive Level         Application       Facility         Braidwood       ExamDate:         7/19/02         KA:       00WE10A102         EA1.2       RO Value:         3.6]       SRO Value:         3.8]       Section:         EPE       RO Group:         1       SRO Group:         1       SRO Croup:   | Increase       Decrease         C       Decrease         Decrease       Decrease         Answer       d         ExamLevel       R         Cognitive Level       Application         Facility:       Braidwood         ExamDate:       7/19/02         Ka:       00WE10A102         EA1.2       RO Value:       3.6         SRC Value:       3.8         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS         Explanation of<br>system. Pressure decreases, fluid flashes to steam displacing par level. (A&B) incorrect - pressure decreases as inventory is tenuved (C) finceneet - fevel increases as vuids form  | Increase       Decrease         C       Decrease         Decrease       Decrease         Answer       d         ExamLevel       R         Cognitive Level       Application         Facility:       Braidwood         ExamDate:       7/19/02         Ka:       00WE10A102         EA1.2       RO Value:       3.6         SRC Value:       3.8         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS         Explanation of<br>system. Pressure decreases, fluid flashes to steam displacing par level. (A&B) incorrect - pressure decreases as inventory is tenuved (C) finceneet - fevel increases as vuids form  | b.       Increase       Decrease         c.       Decrease       Decrease         d.       Decrease       Increase         Answer       d       Exam Level       R         Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation is a sign that voids are forming in the primary is system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is tenuved (C) fincurect - fevel increases as vuido form   | b.       Increase       Decrease         c.       Decrease       Decrease         d.       Decrease       Increase         Answer       d       Exam Level       R         Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation is a sign that voids are forming in the primary is system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is tenuved (C) fincurect - fevel increases as vuido form  |
| C       Decrease       Decrease         Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monifor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monifor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary is system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is itemoved (O) fincorrect - revel increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       Co. Number         Nat Circ Cooldown w/o RVLIS       II towEPD ES 0.4       Increase 0.4       Increase 0.4       Increase 0.4       Increase 0.4 <td>C.       Decrease       Decrease         Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS</td> <td>C       Decrease         Answer       d         Exam Level       R         Cognitive Level       Application         Facility       Braidwood         Exam Date:       7/19/02         KA:       00WE10A102         EA1.2       RO Value:         3.6       SRO Value:         3.8       Section:         EPE       RO Group:         1       SRO Group:         10</td> <td>C.       Decrease       Decrease         Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution       Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement!       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement!       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement!       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement!       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Coperating behavior characteristics of the facility.       Explanation of System. Pressure decreases, fluid flashes to steam displacing pzr level. (A&amp;B) incorrect - pressure decreases as inventory is tentoved (C) fincence - fevel fincreases as virus form         Reference Title       Facility Refer</td> <td>c.       Decrease       Decrease         d.       Decrease       Increase         Answer       d       Exam Level       R         Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Vestor of the correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&amp;B) incorrect - pressure decreases as inventory is temoved (C) fincorrect - tevel increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No. Revision L.O. Number</td> <td>c.       Decrease       Decrease         d.       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary is system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&amp;B) incorrect - pressure decreases as inventory is interved (C) finamed - ferel increases as vuids form</td> <td>C.       Decrease       Decrease         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary.       Explanation of Answers:       (D) Correct - repet increases as vuids form</td> <td>C.       Decrease       Decrease         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary.       Explanation of Answers:       (D) Correct - repet increases as vuids form</td> <td>c.       Decrease       Decrease         d.       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary is system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&amp;B) incorrect - pressure decreases as inventory is increases as vuice form.         Reference Titic       Baterence Titic       Baterence Titic</td> <td>c.       Decrease       Decrease         d.       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Coperating behavior characteristics of the facility.       Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary instrumed (C) finameut - fevel increases as vuids form         Tennoved (C) finameut - fevel increases as vuids form       RABB incorrect - pressure decreases as inventory is</td> | C.       Decrease       Decrease         Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS  | C       Decrease         Answer       d         Exam Level       R         Cognitive Level       Application         Facility       Braidwood         Exam Date:       7/19/02         KA:       00WE10A102         EA1.2       RO Value:         3.6       SRO Value:         3.8       Section:         EPE       RO Group:         1       SRO Group:         10   | C.       Decrease       Decrease         Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution       Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement!       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement!       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement!       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement!       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Coperating behavior characteristics of the facility.       Explanation of System. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is tentoved (C) fincence - fevel fincreases as virus form         Reference Title       Facility Refer   | c.       Decrease       Decrease         d.       Decrease       Increase         Answer       d       Exam Level       R         Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Vestor of the correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is temoved (C) fincorrect - tevel increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No. Revision L.O. Number   | c.       Decrease       Decrease         d.       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary is system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is interved (C) finamed - ferel increases as vuids form   | C.       Decrease       Decrease         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary.       Explanation of Answers:       (D) Correct - repet increases as vuids form  | C.       Decrease       Decrease         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary.       Explanation of Answers:       (D) Correct - repet increases as vuids form  | c.       Decrease       Decrease         d.       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary is system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is increases as vuice form.         Reference Titic       Baterence Titic       Baterence Titic   | c.       Decrease       Decrease         d.       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Coperating behavior characteristics of the facility.       Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary instrumed (C) finameut - fevel increases as vuids form         Tennoved (C) finameut - fevel increases as vuids form       RABB incorrect - pressure decreases as inventory is  |
| d       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases as inventory is is is inventory is is issue decreases as voids form         Immoved       (C) fricorrect - fevel increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       CO. Number   | d       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monifor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monifor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is innoved (C) fincorrect - rever increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       O. Number   | d       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group.       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Coperating behavior characteristics of the facility.       E10         Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary is system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is innoved (C) Incorrect - rever increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number  | d       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Maswers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that vo  | d       Decrease         Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) fincenect - fevel increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision LO. Number   | d       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group.       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary; system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is incorrect - pressure decreases as inventory is         Reference Title       Reference Title       Reference Title  | d.       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group.       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary; system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is innoved (C) finament - five increases as voids form   | d.       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group.       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary; system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is innoved (C) finament - five increases as voids form   | d.       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group.       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary; system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is innoved (C) fincensed - fevel increases as voids form   | d.       Decrease       Increase         Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group.       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary; system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is innoved (C) fincensed - fevel increases as voids form  |
| Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group.       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA statement:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases as voids form  | Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA statement:       Ability noreasing pressurizes of the facility.       Explanation of       (D) Correct - rapidly increasing pressurizes of the facility.   | Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Kassers:       Operating behavior characteristics of the facility.       Explanation of (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary; system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) fincorrect - fevel increases as voids form            | Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Kassers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) fluorect - revel increases as voids form         Reference Title       Facility Reference Number       Ref                                   | Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary: system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) finceneet - fevel increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision L.O. Number  | Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Kaswers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is system. Pressure decreases as voids form         Reference Title       Reference Title  | Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monifor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monifor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Kaswers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) fincement - fevel increases as vuids form   | Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monifor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monifor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Kaswers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) fincement - fevel increases as vuids form   | Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary; system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is increases as voids form  | Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary; system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is increases as voids form   |
| Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Value:       System.       Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is interved (C) incorrect - rever increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number         Nat Circ Cooldown w/o RVLIS       II 19://EE ES 0.44       III 19://EE ES 0.44       III 19://EE ES 0.44       III 19://EE ES 0.44   | Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Vestore - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) incorrect - fevel increases as vuids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       Co. Number  | Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Value:       0perating behavior characteristics of the facility.       E10         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary is system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) incorrect - fevel increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number  | Answer       d       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/02         KA:       00WE 10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Croup:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Value:       0.0 Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary; system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) fincenect - fevel finances as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number  | Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Ka Statement:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, increases as works form   | Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Croup:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability operating behavior characteristics of the facility.       E10         Kanswers:       (D) Correct - rapidly increasing pressurizer level during the   | Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (  | Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Croup:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (  | Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Croup:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation o  | Answer       d       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/02         KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Croup:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Explanation o   |
| KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         Ka Statement:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary is system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) incorrect - foreit increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page   | KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka statement:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is tennoved (C) theorement - rever increases as voids form         Reference Title       Facility Reference Number       Reference Sect  | KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS:       EPE       RO Group:       1       SRO Group:       1         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka statement:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Tennoved       (D) fincorrect - revel increases as voids form | KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka statement:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Tennoved       (C) friconect - fevel increases as voids form       Reference Section       Page No.       Revision | KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka statement:       Ability increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) fincement - rever increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number   | KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Operating behavior characteristics of the facility.         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary.         isystem:       Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         removed       (C) fricurrect - fevel increases as vuids form  | KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Kastement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases as voids form         Reference Title       Reference Title  | KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Kastement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases as voids form         Reference Title       Reference Title  | KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Operating behavior characteristics of the facility.         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary.         with Steam Void (C) Incorrect - fevel increases as voids form         Reference Title  | KA:       00WE10A102       EA1.2       RO Value:       3.6       SRO Value:       3.8       Section:       EPE       RO Group:       1       SRO Group:       1         System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Ka Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Operating behavior characteristics of the facility.         Explanation of       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary.         with Steam Void (C) Incorrect - fevel increases as voids form         Reference Title   |
| System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       LTE       Not Group:       1         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary; system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Tennoved (C) fincement - fevel increases as voids form         Reference Title       Facility Reference Number         Reference Section       Page No.         Revision       LO. Number  | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Vessel with/without RVLIS:       Operating behavior characteristics of the facility.       E10         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) incorrect - rever increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number   | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Tentoved       (C) Incorrect - revent increases as voids form         Reference Title       Facility Reference Number         Reference Section       Page No.         Revision       LO. Number   | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         removed       (C) finamect - level increases as voids form         Reference Title       Facility Reference Number         Reference Section       Page No.         Revision       LO. Number  | System//Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Decentor:       Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Tennoved (C) Incorrect - fevel increases as voids form         Reference Title       Facility Reference Number   | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       ETE       Not Group:       1         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary.         Tennoved       (C) fincurrect - fevel increases as voids form  | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Vessel with/without RVLIS       Operating behavior characteristics of the facility.       Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases as voids form         Reference Title       Reference Title       To We Reference Title   | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       E10         Vessel with/without RVLIS       Operating behavior characteristics of the facility.       Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases as voids form         Reference Title       Reference Title       To We Reference Title   | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Decention         Operating behavior characteristics of the facility.       Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases as voids form         Reference Title       Reference Title  | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Decention         Operating behavior characteristics of the facility.       Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases as voids form         Reference Title       Reference Title   |
| System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS       Decret and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) finance - fevel increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number         Nat Circ Cooldown w/o RVLIS       II 1PwER ES 0.4       Increases as voids form       Difference Section       Page No.       Revision       LO. Number   | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Derating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pir level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number  | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Decrating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number  | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Decrating behavior characteristics of the facility.       E10         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       L.O. Number  | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS       E10         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:       Derating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) incorrect - rever increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number  | System//Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary; system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       Reference Title  | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Operating behavior characteristics of the facility.         Explanation of Answers:         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Tentoved       (C) fincement - fevel increases as voids form  | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Operating behavior characteristics of the facility.         Explanation of Answers:         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Tentoved       (C) fincement - fevel increases as voids form  | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       Reference Title  | System/Evolution Title       Natural Circulation with Steam Void in Vessel with/without RVLIS         KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       Reference Title   |
| KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number  | KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       L.O. Number   | KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary; system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number   | KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number  | KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Vold in Vessel with/without RVLIS:         Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       L.O. Number   | KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title   | KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       To W/C   | KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       To W/C   | KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       Reference Title   | KA Statement:       Ability to operate and / or monitor the following as they apply to Natural Circulation with Steam Void in Vessel with/without RVLIS:         Operating behavior characteristics of the facility.         Explanation of Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Reference Title       Reference Title  |
| Operating behavior characteristics of the facility.         Explanation of Answers:         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Image: Reference Title         Reference Title         Image: No.         Revision         LO. Number   | Operating behavior characteristics of the facility.         Explanation of Answers:         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         removed (C) fincenect - level increases as voids form         Reference Title       Facility Reference Number         Reference Section       Page No.         Revision       LO. Number   | Operating behavior characteristics of the facility.         Explanation of Answers:         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Image: Reference Title       Facility Reference Number         Reference Section       Page No.         Revision       LO. Number   | Operating behavior characteristics of the facility.         Explanation of Answers:         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary.         Image: Reference Title         Facility Reference Number         Reference Title         Image: Reference Section         Page: No.         Revision         Image: Reference Section         Revision         Image: Reference Section         Revision  | Operating behavior characteristics of the facility.         Explanation of Answers:         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         removed (C) finamect - rever increases as voids form         Reference Title         Facility Reference Number         Reference Section  | Operating behavior characteristics of the facility.         Explanation of Answers:         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Tennoved       (C) fincenect - fevel increases as voids form  | Operating behavior characteristics of the facility.         Explanation of Answers:         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         removed       (C) finamect - level increases as voids form   | Operating behavior characteristics of the facility.         Explanation of Answers:         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         removed       (C) finamect - level increases as voids form   | Operating behavior characteristics of the facility.         Explanation of Answers:         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         removed       (C) fincement - fevel increases as voids form   | Operating behavior characteristics of the facility.         Explanation of Answers:         (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         removed       (C) fincement - fevel increases as voids form  |
| Explanation of<br>Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary,<br>system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Immoved (C) incorrect - fevel increases as voids form         Reference Title       Facility Reference Number         Reference Section       Page No.         Revision       LO. Number  | Explanation of<br>Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary,<br>system. Pressure decreases, fluid flashes to steam displacing pir level. (A&B) incorrect - pressure decreases as inventory is         Image: the primary interprimary interprimery interprimary interprimers interprimary interprimary interprimary interprimary interprimers interprimary interprimary interprimers interprimary interprimary interprimers interprimary interprimers interpristent interprimers interprimers interpristent | Explanation of<br>Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary<br>system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Image: Reference Title       Facility Reference Number         Reference Title       Facility Reference Number         Nat Circ Cooldown w/o B)// IS       Image: No.  | Explanation of<br>Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary.<br>system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is         Image: Contract - Tevel increases as voids form         Reference Title       Facility Reference Number         Reference Section       Page No.         Revision       L.O. Number   | Cxpranation of<br>Answers:       (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary,<br>system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is<br>removed (C) finament - level increases as voids form         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       L.O. Number  | Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is   | (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) incorrect - fevel increases as voids form  | (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) incorrect - fevel increases as voids form  | (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) incorrect - fevel increases as voids form   | (D) Correct - rapidly increasing pressurizer level during the RCS depressurization is a sign that voids are forming in the primary, system. Pressure decreases, fluid flashes to steam displacing pzr level. (A&B) incorrect - pressure decreases as inventory is removed (C) incorrect - fevel increases as voids form  |
| Reference Title         Reference Title         Reference Title         Reference Section         Page No.         Revision         LO. Number         Nat Circ Cooldown w/o RVLIS         II 1PwER ES 0.4  | Reference Title         Reference Title         Reference Number         Reference Section         Page No.         Revision         LO. Number  | Reference Title         Reference Title         Reference Section         Page No.         Revision         LO. Number  | Reference Title         Reference Title         Reference Section         Page No.         Revision         LO. Number  | Reference Title     Facility Reference Number     Reference Section     Page No.     Revision     LO. Number   | Tennoved (C) Incorrect - fever increases as voids form  | Contract - fevel increases as voids form   | Contract - fevel increases as voids form   | Tennoved (C) Incorrect - fever increases as voids form  | Tennoved (C) Incorrect - fever increases as voids form   |
| Reference Title         Facility Reference Number         Reference Section         Page No.         Revision         LO. Number           Nat Circ Cooldown w/o RVLIS         II 1PwER ES 0.4         III  1PwER ES 0.4         III 1PwER ES 0.4  | Reference Title         Facility Reference Number         Reference Section         Page No.         Revision         L.O. Number  | Reference Title         Facility Reference Number         Reference Section         Page No.         Revision         L.O. Number   | Reference Title         Facility Reference Number         Reference Section         Page No.         Revision         L.O. Number   | Reference Title Facility Reference Number Reference Section Page No. Revision L.O. Number  | Reference Title   | Reference Trile  | Reference Trile  | Reference Title   | Reference Title  |
| Nat Circ Cooldown w/o RVLIS   | Nat Circ Cooldown w/o RV/LIC   | Nat Circ Cooldown w/o B/// IC   | Nat Circ Cooldown w/o B/// IC   | Facility Reference Number Reference Section Page No. Revision L.O. Number  |   |  |  |   |  |
| Nat Circ Cooldown w/o RVL S    1BwEP ES-0.4   | I Nat Circ Cooldown w/o BV/I IS  | I Nat Circ Cooldown w/o RV/ IS  |   |  |   | Fage NO. Revision L.U. Number  | Revision LO. Number  | Fage NO. Revision L.U. Number   | Fage NO. Revision L.U. Number  |
| Note - step 8 // 1AWOG  |  |   | 1BwEP ES-0.4 Note - step 8 17 1AWOG   | Nat Circ Cooldown w/o RVLIS II 1BwEP ES-0.4 Note - step 8  | I Nat Circ Cooldown w/o RV/US   |  |  |   | UNAT Circ Cooldown w/o DV/US   |
|   |  |   |   |  | Note - step 8 // 1AWOG  |  |  | Note - step 8 // 1AWOG  | Note - step 8 // 1AWOG   |
| Background Documents     1BwEP ES-0.4     Step 8     33     1C  | Background Documents   | Background Documents  | Backaround Documents  | Background Documents   | Background Documents  | Background Documents   | Background Documents   | Background Documents  | Background Documents   |
| Background Documents         1BwEP ES-0.4         Step 8         33         1C  | Background Documents   | Background Documents  | Backaround Documents  | Background Documents   | Background Documents  | Background Documents   | Background Documents   | Background Documents  | Background Documents   |
| Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination       Image: Step 8       Image: Step 8 <t< td=""><td>Background Documents         1BwEP ES-0.4         Step 8         33         1C          </td><td>Background Documents         1BwEP ES-0.4         Step 8         33         1C          </td><td>Background Documents         1BwEP ES-0.4         Step 8         33         1C          </td><td>Background Documents     1BwEP ES-0.4     Step 8     33     1C</td><td>Background Documents     1BwEP ES-0.4     Step 8     33     1C</td></t<>   | Background Documents         1BwEP ES-0.4         Step 8         33         1C   | Background Documents         1BwEP ES-0.4         Step 8         33         1C  | Background Documents         1BwEP ES-0.4         Step 8         33         1C  | Background Documents     1BwEP ES-0.4     Step 8     33     1C   | Background Documents     1BwEP ES-0.4     Step 8     33     1C  | Background Documents     1BwEP ES-0.4     Step 8     33     1C   | Background Documents     1BwEP ES-0.4     Step 8     33     1C   | Background Documents     1BwEP ES-0.4     Step 8     33     1C  | Background Documents     1BwEP ES-0.4     Step 8     33     1C   |
| Material Required for Examination   | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination   | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination  | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination  | Background Documents     1BwEP ES-0.4     Step 8     33     1C       Material Required for Examination   | Background Documents     1BwEP ES-0.4     Step 8     33     1C       Material Required for Examination  | Background Documents     1BwEP ES-0.4     Step 8     33     1C       Material Required for Examination   | Background Documents     1BwEP ES-0.4     Step 8     33     1C       Material Required for Examination   | Background Documents     1BwEP ES-0.4     Step 8     33     1C       Material Required for Examination  | Background Documents     1BwEP ES-0.4     Step 8     33     1C       Material Required for Examination   |
| Material Required for Examination   | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination   | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination  | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination  | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination   | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination  | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination   | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination   | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination  | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination   |
| Material Required for Examination   | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination   | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination  | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination  | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination   | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination  | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination   | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination   | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination  | Background Documents       1BwEP ES-0.4       Step 8       33       1C         Material Required for Examination   |
|   |  |   |   |  |   |  |  |   |  |
|   | Background Documents         1BwEP ES-0.4         Step 8         33         1C   | Background Documents         1BwEP ES-0.4         Step 8         33         1C  | Background Documents         1BwEP ES-0.4         Step 8         33         1C  | Background Documents         1BwEP ES-0.4         Step 8         33         1C   | Background Documents         1BwEP ES-0.4         Step 8         33         1C           Image: Step 8         Image: Step  | Background Documents         1BwEP ES-0.4         Step 8         33         1C   | Background Documents         1BwEP ES-0.4         Step 8         33         1C   | Background Documents         1BwEP ES-0.4         Step 8         33         1C  | Background Documents         1BwEP ES-0.4         Step 8         33         1C   |
| Background Documents         1BwEP ES-0.4         Step 8         33         1C  | Background Documents   | Background Documents  | Backaround Documents  | Background Documents   | Background Documents  | Background Documents   | Background Documents   | Background Documents  | Background Documents   |
| Background Documents         1BwEP ES-0.4         Step 8         33         1C  | Background Documents   | Background Documents  | Backaround Documents  | Background Documents   | Background Documents  | Background Documents   | Background Documents   | Background Documents  | Background Documents   |
| Background Documents     1BwEP ES-0.4     Step 8     33     1C  | Background Documents   | Background Documents  | Background Documents  | Background Documents   | Background Documents  | Background Documents   | Background Documents   | Background Documents  | Background Documents   |
| Background Documents     1BwEP ES-0.4     Step 8     33     1C  | Background Documents   | Background Documents  | Background Documents  | Background Documents   | Background Documents  | Background Documents   | Background Documents   | Background Documents  | Background Documents   |
| Background Documents     1BwEP ES-0.4     Step 8     33     1C  | Background Documents   | Background Documents  | Background Documents  | Background Documents   | Background Documents  | Background Documents   | Background Documents   | Background Documents  | Background Documents   |
| Background Documents  | Background Documents   | Background Documents  | Background Documents  | Background Documents   | Background Documents  | Background Documents   | Background Documents   | Background Documents  | Background Documents   |
|   |  |   |   |  | The step 8 / TAWOG  | Part Lo C. La Contraction of the | Part Lo C. La Contraction of the | The step 8 / 14WOG  | The step 8 / 14WOG   |
|   |  |   |   |  | DWEP ES-0.4    Note - step 8    7    1AW/OG   | I 1BwEP ES-0.4 Note - step 8 17 1 1AWOG 1  | INAT CITC Cooldown w/o RVLIS IBwEP ES-0.4 Note - step 8 17 14W/OG 14000  | 11BwEP ES-0.4 Note - step 8 17 1 1AWOG 1  | 11BWEP ES-0.4 Note - step 8 17 1 1AWOG 1   |
| Note - step 8 // IAWOG //   | Note - step 8 // IAWOG //  | Note - step 8 // IAWOG //   |   |  |   | I I I I I I I I I I I I I I I I I I I  | I Nat Circ Cooldown w/o RVLIS  |   |  |
|   | IDWEP ES-0.4 INote - step 8 17 1 14W/OG 1  | I DWEP ES-0.4    Note - step 8   7    1AWOG   | 118wEP ES-0.4 Note - step 8   | Nat Circ Cooldown w/o RVLIS  | I Nat Circ Cooldown w/o RV/US   |  |  | Nat Circ Cooldown w/o D// IC  | UNAT Circ Cooldown w/o DV/US   |
|   |  |   |   | I Nat Circ Cooldown w/o RV/IS  | Nat Circ Cooldown w/o P/4/10  |  |  | Nat Circ Cooldours w/o BV// IC  | Nat Circ Cooldours w/o BV// IC   |
| I I I I I I I I I I I I I I I I I I I   |  |   |   | Nat Circ Cooldown w/o DV// IC  |   | Net Of a literation of the second sec | Net Of a literation of the second sec | Nu con la serie de  | Nu con la serie de |
| I 1BwEP ES-0.4  |  |   |   |  |   | Net Of a literation of the second sec | Net Of a literation of the second sec | Nu con la serie de  | Nu con la serie de |
|   |  |   |   | UNAT Circ Cooldown w/o DV/US   | Nat Circ Cooldown w/a P/4/10  | Net Of a literation of the second sec | Net Of a literation of the second sec | Nat Circ Cooldown w/o BV// IC   | Nat Circ Cooldown w/o BV// IC  |
| D BINDER BOUER BINDER BINDER BOUER BINDER BIN  |  |   |   | I Nat Circ Cooldown w/o RVI IS   | Nat Circ Cooldown w/a P//US   | Net Of a literation control we have a literation of the literation of | Net Of a literation control we have a literation of the literation of | Nat Circ Cooldown w/o BV// IC   | Nat Circ Cooldown w/o BV// IC  |
|   |  |   | I 1BWEP ES-0.4  | Nat Circ Cooldown w/o RVLIS  | Nat Circ Cooldown w/o BV// IC   |  |  | Nat Circ Cooldown w/o BV// IC   | Nat Circ Cooldown w/o BV// IC  |
|   | I I DWEP ES-U.4   Note - step 8   7    1AWOG   | I I DWEP ES-0.4   Note - step 8   7    1AWOG  | THAT CITE COOLIDATION WORK VEIS   | Nat Circ Cooldown w/o RVLIS  | I Nat Circ Cooldown w/o RV/US   |  |  | I Nat Circ Cooldown w/o D\// IC   | I Nat Circ Cooldown w/o PV/LIS   |
| Note - step 8 // 1AWOG  |  | Note - step 8 // 1AWOG  | IBWEP ES-0.4 Note - step 8 17 1AWOG   | II IBWEP ES-0.4  |   |  | UNAT LITC LOOKOWD W/O BV/US  |   |  |
| Note - step 8 // IAWOG //   | Note - step 8 // IAWOG //  | Note - step 8 // IAWOG //   | 10w1 23-0.4  Note - step 8   7   1AWOG  |  |   |  | I I I I I I I I I I I I I I I I I I I  |   |  |
|   |  |   |   |  | II IDWEP ES-04  | I 1BwEP FS-0.4   | INAT CIRC Cooldown w/o RVLIS   | II 1BWEP ES-0.4   | II 1BWEP FS-0.4  |
|   |  |   |   |  | III DWEP ES-U.4   | I I BwEP ES-0.4  | INAT CIRC Cooldown w/o RVLIS   | Note step 8 1/7 1 4 Marco 1   | II 1BWEP ES-0.4  |
|   |  |   |   | UNAT CITC Cooldown w/o BV/US   | Nat Circ Cooldown w/o PV/US   | Net Of A Line And A Line A Lin | Net Of A Line And A Line A Lin | Nat Circ Cooldown w/o BV// IC   | Nat Circ Cooldown w/o BV// IC  |
|   |  |   |   | Unit ( inc ( cooldown w/o D)// IC  |   | All of the second  | All of the second  | All of the second   | All of the second  |
| I I I I I I I I I I I I I I I I I I I   |  |   |   |  |   | All of the second  | All of the second  | All of the second   | All of the second  |
| I Nat Circ Cooldown w/o RVLIS   |  |   |   |  |   | Nut of a state of the state of  | Nut of a state of the state of  | Nut of a state of the state of   | Nut of a state of the state of  |
| I 18wEP ES-0 4  |  |   |   |  |   | Nut of a state of the state of  | Nut of a state of the state of  | Nut of a state of the state of   | Nut of a state of the state of  |
| I I I I I I I I I I I I I I I I I I I   |  |   |   |  |   | All of the second  | All of the second  | All of the second   | All of the second  |
|   |  |   |   |  |   | Not Of the second  | Net Of a literation of the second sec | Net Of a literation of the second sec  | Net Of a literation of the second sec |
|   |  |   |   | I Nat Circ Cooldown w/o RVLIS  | Nat Circ Cooldown w/o DV/US   |  |  | Nat Circ Cooldown w/o DV/US   | Nat Circ Cooldown w/o DV/US  |
|   |  |   | INdt Olic Cooldowit W/O RVLIS   | Nat Circ Cooldown w/o RVLIS  | I Nat Circ Cooldown w/o RV/ IS  |  |  |   | UNAT CITC Cooldown w/o D// IS  |
|   | I I DWEP ES-0.4   Note - step 8   7   1AWOC  | I I DWEP ES-0.4   Note - step 8   7   1AWOC   | 1BwEP ES-0.4 Note - step 8  | Nat Circ Cooldowil w/o RVLIS II 1BwEP ES-0.4   |   |  |  |   |  |
|   | I DWEP ES-0.4 Note - step 8 17 1 AWOG 1  | I DWEP ES-0.4 Note - step 8 17 1 AWOG 1   | I DWEP ES-0.4 Note - step 8 17 1 AWOG 1   |  |   |  | INALCIC COOLDAWN W/O BV/I IS   |   |  |
| Note - step 8 // / IAWOG  | Note - step 8 7 1AWOG  | Note - step 8 7 1 1AWOG 1   | 1000 - step 8 17 1 1AWOG 1  |  |   |  | II Nat Circ Cooldown w/o RVLIS   |   |  |
|   |  |   |   |  | II I DWEP ES-U.4 INote - step 9 117   | I I BwEP ES-0.4  | INAT CIRC Cooldown w/o RVLIS   | II 1BwEP ES-0.4   | II 1BWEP ES-0.4  |
|   |  |   |   |  | II IDWEP ES-U.4 INote - step 8 17 1 140000  | I 1BwEP ES-0.4   | INAL CIRC Cooldown w/o RVLIS I BwEP ES-0.4   |   | 11BWEP ES-0.4 Note - step 8 17 1 (ANNOC 1  |
|   |  |   |   |  | II IDWEP ES-0.4 INote - step 8  | Inval Circ Cooldown w/o RVLIS II 1BwEP ES-0.4  | INAL CIRC Cooldown w/o RVLIS   | I 1BwEP ES-0.4  | 11BWEP ES-0.4 Note - step 8 17 1 140000 1  |
|   |  |   |   |  | IIIDWEP ES-U.4  | Inval Circ Cooldown w/o RVLIS II 1BwEP ES-0.4  | INAT CIRC Cooldown w/o RVLIS   | II 1BwEP ES-0.4   | II 1BWEP ES-0.4  |
|   |  |   |   |  |   | II 18wEP ES-0.4  | I I BwEP ES-0.4  |   |  |
|   | I DWEF E3-0.4 Note - step 8 17 1 AWOG  | I DWEF E3-0.4 Note - step 8 17 1 AWOG   | I DWEF E3-0.4 Note - step 8 17 1 AWOG   |  |   | I I I I I I I I I I I I I I I I I I I  | II NAT CITC Cooldown w/o RVI IS  |   |  |
|   |  |   | TBWEP ES-0.4  | I IDWEP ES-U.4   |   |  | I INAL CITC COOLIDOWD W/O RV/LIS   |   |  |
|   | I IDWEP ES-U.4 INote - step 8 17 1 1 ANA/OC 1  | I IDWEP ES-U.4 INote - step 8 17 1 1 ANA/OC 1   | TBWEP ES-0.4  | I IBWEP ES-0.4   |   |  |  |   |  |
|   |  |   | Nat Old Cooldown w/o RVLIS  | I 1BWEP ES-0.4   |   |  |  |   |  |
|   |  |   | TBWEP ES-0.4  | I IBWEP ES-0.4   |   |  |  |   |  |
|   | 1 IDWEP E0-U.4   Note - step 8   7   10WEP E0-U.4  | 1 IDWEP E0-U.4   Note - step 8   7   10WEP E0-U.4   | I IBWEP ES-0.4  | I IBWEP ES-U.4   |   |  |  |   |  |
|   |  |   |   | II DWEP EO-U.4   |   |  |  |   |  |
|   |  |   |   | II DWEP ED-0.4   |   |  |  |   |  |
|   | TBWEF ES-0.4 [Note - step 8 ] 7 [14W/OC]   | TBWEF ES-0.4 [Note - step 8 ] 7 [14W/OC]  | TBWEF ES-0.4 [Note - step 8 ] 7 [14W/OC]  | II IDWEF EO-U.4  |   | IIINAL CITC COOLDOWN W/O RVUIS   | II NAT CITC COOLDOWN W/O BV/LIS  |   |  |
|   | TDWEP ES-0.4 [Note - step 8 ] 7 ] 100/00 ]   | TDWEP ES-0.4 [Note - step 8 ] 7 ] 100/00 ]  | TDWEP ES-0.4 [Note - step 8 ] 7 ] 100/00 ]  | II DWEP ED-0.4   |   |  |  |   |  |
|   | 1 IDWEP E0-0.4    Note - step 8   7    10000   | 1 IDWEP E0-0.4    Note - step 8   7    10000  | I IBWEP ES-0.4  | I I BWEP ES-U.4  |   |  | UNAL LIC LOOIDOWD W/O BV/US  |   |  |
|   | I IDWEP ES-0.4 [Note - step 8 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | I IDWEP ES-0.4 [Note - step 8 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | I IBWEP ES-0.4  | I IBWEP ES-0.4   |   |  |  |   |  |
|   | II IDWEP ES-U.4  | II IDWEP ES-U.4   | I I BWEP ES-0.4   | I I BWEP ES-0.4  |   |  |  |   |  |
|   | I IDWEP ES-0.4 [Note - step 8 ] 7 ] 140400 ]   | 11DWEP E5-0.4 [Note - step 8 117 1404000]   | I IBWEP ES-0.4  | II IBWEP ES-0.4  |   |  | UNAT LIFE LOODDOWD W/O BV/US   |   |  |
|   | II DWEF E0-0.4 INote - step 8 1/7 1/4AM/00 // 1  | II DWEF E0-0.4 INote - step 8 1/7 1/4AM/00 // 1   | II DWEF E0-0.4 INote - step 8 1/7 1/4AM/00 // 1   | II IDWEF ED-U.4 INote - step 8 UZ I I ANNOO I  |   |  | IIINAL CIC COOLDOWN W/O RV/LIS   |   |  |
|   |  |   |   |  |   | II NAL UIC COOLDOWN W/O RVLIS II 1BWEP ES-0.4  | II I BWEP ES-04  |   |  |

.

|      | - Tr<br>  - Tr<br>  - Tr<br>  - Tr<br>  - Tr | the STA has<br>the STA has<br>the crew has<br>the crew is pr<br>the US reads | identified a Y<br>entered 1Bw<br>reparing to du<br>a CAUTION | med and a trans<br>′ELLOW path o<br>/FR-H.2, "Resp<br>ump steam from<br>that does not a  | sition made to 11<br>in the Heat Sink<br>onse to Steam (<br>in the affected sta<br>allow releasing s<br>affected SG if N | rstem malfunction<br>BwEP ES-0.1, "Reac<br>Status Tree for stear<br>Generator Overpress<br>eam generator<br>team from a SG with<br>IR level is >93%?  | n generator p<br>ure"<br>a narrow rar | pressure   | er than 93%     |                  |                       |
|------|--|--|--|--|--|---|---------------------------------------|--|-----------------|------------------|-----------------------|
|      | a.   | May cause  | an uncontro  | lled radiation re  | elease since it is   | likely that the steam   | generator is                          | ruptured   |                 |                  |                       |
|      | b,   | May result   | in two phase   | flow and wate  | r hammer, poten  | tially damaging pipe  | s and valves                          | the in State Pater   | fordscheit (so  | and the second   | and the second second |
|      | c.   |  |  | and and and a state of the stat | han a second           | G water is likely subc  | นสารสิบสามของ (36 เมื่อ               | and the second of the second |                 |                  |                       |
|      | d.   |  |  |  |  | / resulting in a safety   |                                       |  |                 |                  |                       |
|      | Answe  |  |  |  |  | *   |                                       | v  | 168             | Poperatur:       |                       |
| -    |  | 00WE13K20  | Exam Level   |  | gnitive Level  | Memory  |                                       | Braidwood  | Exami           | Date:            | 7/19/                 |
| 1    |  | i/Evolution  | ······   | äm Generator (   | O Value: 3.0   | SRO Value: 3  | 2 Section                             |  | O Group:        |                  | O Group:              |
| · [  | Explan:<br>Answer                            | ation of (E  | B) Correct - p   | per FR-H series  | background doc<br>35# and RCS T  | nary coolant, emerge<br>is to the operation of<br>suments. (A) Incorrect<br>ave post trip, opening<br>e cannot be obtained  | t - no indicat<br>the PORV (          | ions are present<br>or Steam Dumps   | that would s    | uspect a S       | GTR had               |
| 1    |  | Re   | ference Title  | 9  |  | Reference Number  | Conte Charlen a                       | ce Section   | instal (C/SC) 1 | a subject of the | LO. Numbe             |
|      | Respon                                       | se to SG O   | /erpressure  | د بود.<br>مربع المربع موجع المربع الم<br>المربع المربع  | 1BwFR-H.1  | ور با با از می br>مرابع از می |                                       |  | 5               | 1A               |                       |
| · 15 |  | und Docum  |  | a san sa sa sa sa sa s   | - HI N-11.2  | العارية والمنابع والمنابع والمنابع والمرابع المرابع   | Caution                               | . 1  | 12              | 1C               | 1                     |
| · 15 |  | und Docum  |  |  |  |   |                                       |  |                 |                  |                       |
|      | Backgro                                      |  | for Examinat   | ion  |  |   |                                       |  |                 |                  | ]                     |
|      | Backgro<br>Material<br>Questio               | Required (   | for Examinat   |  | Question Moc   | lification Method:  | Editorially                           |  | Used Durin      |                  | I Program             |

| While performing actions of 1BwFR-Z.1, "Response to High Containment Pressure", what steps are taken to limit the peak pressure rise in containment in the event one of the steam generators is faulted?   |            |
|--|------------|
|  |            |
|  |            |
|  |            |
|  |            |
| All four RCFCs are started in Fast Speed upon entry to 1BwFR-Z 1 and 2 a |            |
| Feed Flow is isolated to any steam generator that is depressurizing in an uncontrolled manner.   | trivits nr |
| Aux Feedwater Flow to all steam generators is throttled down to 45 gpm per steam generator   |            |
| All steam generators are allowed to completely depressurize before exiting 1BwFR-Z.1   |            |
|  |            |
| Completionschiller in achter Braidwood Examplete   | 7/19/02    |
| System/Evolution Title High Containment Processor  | 14         |
| KA Statement: Knowledge of the interrelations between High Containment Pressure and the following:   | ]          |
| between the proper operation of these systems to the operation of the facility.  | 500000     |
| Explanation of (B) Correct - per step 6 of FR-Z.1. (A) incorrect - RCFC's are never run in fast speed in adverse containment conditions to prote the fans (C) incorrect - AFW is only throttled to 45 gpm if all steam generators are faulted. (D) incorrect - all steam generators are faulted.   | re         |
| Peterones Title  |            |
| Reference Title         Facility Reference Number         Reference Section         Page No.         Revision         L.O. Nu           Response to High Cnmt Pressure         1BwFR-Z.1         9         1AWOG         1AWOG   |            |
|  |            |
| Material Required for Examination  | ]          |
|  |            |
| Question Modification Method: Used During Training Program   |            |
|  |            |
| Comment Type Comment   |            |
| Peer Supervisory   |            |
|  |            |
|  |            |

~~~

1Bw "Res spra	tion Topic       High Containment Pressure         CA-1.1, "Loss of Emergency Coolant Recirculation", is in progress when a RED path is identified for containment pressure. 1BwFR-Z.1         conse to High Containment Pressure", is entered immediately and containment isolation is verified. The operators then operate the consistent according to the directions found in 1BwCA-1.1, instead of 1BwFR-Z.1.	1, ontainment
Unde	r these conditions, 1BwCA-1.1 takes precedence over 1BwFR-Z.1 because the 1BwCA-1.1 pump operating criteria:	
Answe Systen	Ensure that the maximum heat removal system capacity is used to reduce containment pressure.         Are more restrictive, ensuring continuous containment spray system operation to reduce containment pressure.         Are less restrictive, permitting reduced containment spray operation to conserve RWST water.         Are less restrictive, permitting reduced containment spray operation to conserve RWST water.         Provide a more rapid means of verifying automatic actuation of the containment spray system. <ul> <li></li></ul>	7/19/02 0up: 1 E14
Respon	C) Correct - spray operation requirements are relaxed to allow conservation of RWST water inventory (A) incorrect - CS is in maximized but reduced (B) incorrect - 1.1 criteria is less restrictive, allowing no CS pumps if all RCFCs are available and runal step 9, and then only to look at required flows     Reference Title     Facility Reference Number.     Reference Section     Page No.     Revision     Courtien	
	A Source: Facility Exam Bank Question Modification Method: Editorially Modified Used During Training Proceedings Comments Reviews Complete Source Comment Reviews Complete Source Comment Facility Facility Facility Reviews Complete Source Comment Facility Reviews Complete Source Comme	

	Question Topic       Containment Flooding         A large break LOCA has occurred on Unit 1. The crew is currently performing steps in 1BwEP-1, "Loss of Reactor of Secondary Coolant". The following conditions existed when the STA made his initial scan of the Status Trees:
	<ul> <li>Pressurizer level was 0%</li> <li>Containment spray had automatically actuated. Cnmt pressure was 12 psig and decreasing.</li> <li>Containment rad monitors 1RT-ARO20 and 1RT-AR021 were in ALARM.</li> <li>Containment floor water level indicated 65 inches.</li> </ul>
	Which of the following procedures must be entered to address the above containment conditions?
Gali e da	1BwFR-Z.1 Response to High Containment Pressure
n and an	BwFR-Z.2 Response to Containment Flooding
CERCE .	1BwFR-Z.3 Response to High Containment Radiation Level
	1BwFR-I.2 にの Response to Low Pressurizer Level のの時間、 のは 最後的なほどの そのである しかってきたけのののです。
	Answer b Exam Level R Cognitive Level Application Facility: Braidwood ExamDate: 7/19/02
4 14 8 14	KA:       00WE15A201       EA2.1       RO Value:       2.7       SRO Value:       3.2       Section:       EPE       RO Group:       3       SRO Group:       3         System/Evolution Title       Containment Flooding       E15
166-5 1- 16-16-16-16-16-16-16-16-16-16-16-16-16-1	KA Statement:       Ability to determine and interpret the following as they apply to Containment Flooding:       E15         Facility conditions and selection of appropriate procedures during abnormal and emergency operations.       E15
	Answers: (C) Incorrect - chmt pressure is <20 psig and not required to be identified for entry by the STA. (B) Correct - flooding entry pt is 64. MELLOW end point and not higher than flooding. (D) Incorrect - Par Level is MELLOW endpoint and not higher than flooding. (D) Incorrect - Par Level is MELLOW endpoint and not higher than flooding.
	Reference Title         Facility Reference Number         Reference Section         Page No.         Revision         LO. Number           Containment / Inventory Status Trees         18wST-5 and 6.         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <t< td=""></t<>
	Material Required for Examination 18wST-5 Containment Status Tree
14	Question Source: Facility Exam Bank Question Modification Method: Significantly Modified Used During Training Program
	Question Source Comments         2001 Bwd NRC
	Comment Type Comment I
	Peer Supervisory

.

	Ques	tion Topic	High Containment Radiation	on					
	The f	ollowing cond	ditions exist on Unit 1:		44 - Martin Barran, and an				
	- Th - R0 - R0 - Pz - Co - Co - Co - All - Th	te reactor wa CS pressure CS temperatu r level is 25% pontainment pro- pontainment ra S/Gs are into e operating c	RCS LOCA occurred 45 min is successfully tripped and S is 900 psig and increasing s ure is 500°F and decreasing 6 and increasing slowly ressure is 4 psig, decreasing idiation levels are steady at act with NR levels at 27% ar crew has performed all applic provide the structure of the structure provide the structure of the structure ing statements is true conce	il actuated lowly slowly g slowly from a peak press 2.6E5 R/hr nd increasing slowly cable steps of 1BwEP-0 a	nd have transitioned to 1BwEP		1 million to participate	Che and the second second	
astronomic and a second	a	Total Aux Fo	eed Flow may be throttled ba	ack to less than 500 gpm t	o reduce RCS cooldown effect	5) S)		ontotate faile and and a state of the second se	
in the second br>Second second	Б.	Containmen	t Spray pumps may now be	stopped at any time deen	ied appropriate to conserve RV	VST inventory of a			
an a	<b>C.</b>	RCS subcod	bling is acceptable and would	d allow for SI termination i	f all other parameters are met				
1 <i>1 1</i> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	d.	Pzr level wo	uld require SI be immediatel	ly reinitiated if it had been	previously terminated	N B B C S			
	System KA Stat	DOWE 16A 101 /Evolution T lement: Ab Cc au ation of Ad s: 0 Refe	I       EA1.1       RO         Ittle       High Containment R         oility to operate and / or monipompents, and functions of tomatic and manual features         verse containment condition	itor the following as they a control and safety system a	3.2       Section:       EPE         pply to High Containment Rad         s. including instrumentation, si         levels (>1E5 r/hr). (A) incorrec         00°F requires 950psig adverse	RO Group: ation: gnals, interlocks, fa - requires SG leve commt. (D) Correct Ion Page No	2 SRC illure modes, ils between 3 - Pzr level is	ward to the state	
-	Material	Required fo	r Examination	1] 1BwEP 1-1 RCS Subcoo	ling Margin				
		n Source: n Source Co	New	Question Modification M		Used Dur	ing Training	Program	
Torrino Torrino Torrino T	Commer	nt Type C	omment stations				Reviews Co Peer		• • •
						· · · · · · · · · · · · · · · · · · ·		<u> </u>	

	Whic temp	h of the fol erature an	lowing Pres d pressure	surizer leve	el channels	is NOT dens	sity compens	ated, makir	ng it read lo	wer than act	ual level at noi	mal operat	ting
•	*******												
$\sim$					· • · · ·				an an taon An				
			A REAL PROPERTY AND A REAL	monistadus	and an international states of the		- 1		. action to a	Maddala	i k		an the state
	a.	LT-459	na ang a Ng kasarang kasara	ELS CONTRACTOR	Sectoral de la composición de la compos	en de la composition Recordance de la composition de la comp		sitaihedeni utotositain	sitali anda n Filina di	ingrations,			ut tonyour
	<b>b.</b>	</td <td>*****</td> <td>****</td> <td>899 B. SAG</td> <td>Nemphasis Fel</td> <td></td> <td>in a saint</td> <td>ner det tanler Nettraksfert</td> <td></td> <td></td> <td>a san san san san san san san</td> <td>المحاجب والمستعد والمراجب والمستعد والمستعد</td>	*****	****	899 B. SAG	Nemphasis Fel		in a saint	ner det tanler Nettraksfert			a san san san san san san san	المحاجب والمستعد والمراجب والمستعد والمستعد
			e transformer e	an a		a and a second	terretaria incensi dia anno Mandalaria dia dia dia dia dia dia dia dia dia d	na na na sana na	and the second second	ar dalar da al da	and below some	Art Barrier	Second and a lo high she
	Ċ,	LT-461	TACEMENT	ાંસનુસ્ટપ્ર્યુ	ata di sete		r destate	Mar Alena	visiter the	er sin kara	S. WAAR	en de la calencia de	and the state of the
	d.	LT-462	1. <u>1.</u> 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.										
	<u>×.</u>	L / -402				"REPRES		4%2%9°2**			a da		
	Answe	r d	Exam Le	vel R	Cognitiv	ve Level	Memory	Fa	cility: E	raidwood	Exami	Date:	7/19
	KA:	011000K4	03	K4.03	RO Val	ue: 2.6	SRO Valu	e: 2.9	Section:	SYS	RO Group:		O Group:
,	Systen	n/Evolutio			Level Contr				English and a state of the stat				······································
n Serie R	C						om docian fo		and the second		ovide for the f	and and a second	011
	abaina)		Density co	mpensation	of PZR leve	el al	eni design lea	ature(s) and	or interiod	K(S) Which pi	ovide for the f	ollowing:	
	Explan Answe	ation of	LT-462 is r	ot density o	compensate	d or calibra	ted to read a	our stalie of		- to	C DOODE	D) is corre	ct. hardet (192
					14 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		e en en en en Esta en en en en		第一2件也为11分		<u>1990 (1995) (199</u>	NT POSSI	h Ard subma of the
- C - E -			eference	Title		Facility I	Reference N			e Section			LO. Numb
	Pressu	rizer LP				1-RY-XL-01		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	<b>II</b>	Less and the second	15	2	18
-													
		e significa	Kantar Is Hannar		2 () (24.994) 				1979) (A. 197	ng dia langing d		E 1.	1
	Materia	I Require	l for Exam	ination						~	·		
	Questio	on Source	Facilit	y Exam Bar	nk Qu	estion Mod	lification Me	thod:	Editorially N	And ified		a Tralaina	Program
	Questic	on Source	Comment	***************************************	J [ <u>[]][</u>								Flogram
1 1				थ						_			
			Commen										
	Comme	Int Type				1.14			5	9		Reviews C	omplete
	Comme	ent Type									1 1 1	eer 🛄	
	Comme	int Type											
	Comme	ent Type										upervisor acility	

	nstrumentation	, LCO 3.3.	on of Pressur .3?			s, if failed, w	vill require a	n addition	al Tech Sp	Dec entry	for Post A	ccident M	lonitorin	g (PAM)
$\sim$														
	<b>a.</b> LT-459 a	lone	er i s Alfornadas Budus	uddheige) Glassian	alle Conservation La conservation and	antina		1. A. J. A.	<u></u>		and and a second se			
	<b>b.</b> LT-459 a	317 100				interiori		t unfine Colorege	n de la			Newski Mersen Stransson	*	
			.a.9.4.4.4											
	c. LT-460 ar	nd LT-462	an in Steine Ala	and Collies		1047-847,85	行的場合的有	hilisane	e and the second		alest post	e e e e	-1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	n. Altracia
		one betw		2	F. 2. 1.2			和短期				*****		1946 - <u>A</u> R 20
Ans	wer b	Exam Le	vel R	Cogni	itive Level	Memor	V	Facility	Braidw					
KA:	011000K60	)5	K6.05					0.7 Sect			2000274000	mDate:	<u></u>	7/19/0
Syst	tem/Evolution	Title	Pressurizer L	i i i i i i i i i i i i i i i i i i i	······ }-····			Oeci		. <u>I</u>	RO Group:	© {	SRO G	
KAS	Statement:	Knowledge	e of the effec f PZR level g	t of a los	s or malfun	ction on the	e following v	vill have o	n the Pres	surizer L	evel Contr	ol System		011
, The second second														
	anation of	TS 3.3.3 re	equires 2 cha	innels op	erable. LT-	459. LT-46	0 and LT_4	1 are use	d for DANE					
Ansv	wers:	TS 3.3.3 re noperable	equires 2 cha will require e										hannels *1	B al line And North
Ansv	wers:	TS 3.3.3 re noperable eference 1	<b>Fitle</b>		Facilit	y Referenc	e Number	Refe		Star Maria Alexandra Maria		er Hildesse 👻 Laine Hiltonia	N LL SUL SU	
Ansv Tech Accid	wers:	TS 3.3.3 re noperable	fitle •		Facilit LCO 3.3.3	y References	ce Number	Refe	rence Sec	tion	Page No 3.3.3-1	er Hildesse 👻 Laine Hiltonia	sion L.	and See
Ansv Tech Accid	wers:	TS 3.3.3 re noperable	fitle •		Facilit LCO 3.3.3	y Referenc	ce Number	Refe	rence Sec	tion	Page No	b. Revis	sion L.	O. Number
Ansv Tech Accid	wers:	TS 3.3.3 re noperable eference 1 g Inst Mon	Litle		Facilit LCO 3.3.3	y References	ce Number	Refe	rence Sec	tion	Page No 3.3.3-1	2. Revis	sion L.	O. Number
Ansv Tech Accid Mater	wers: <u>r</u> Ri Ri Specs dent Monitorin	TS 3.3.3 re noperable eference 1 g Inst Mon for Exami	Litle		Facilit LCO 3.3.3 1BwOSR	y References	e Number	Refe	rence Sec	tion .	Page N 3.3.3-1 D-3	Am98           4	sion (2)	O. Number
Ansv Tech Accid Mater Quess	wers: <u>rial Required</u>	TS 3.3.3 re noperable aference g Inst Mon for Exami	fifte the second		Facilit LCO 3.3.3 1BwOSR	y Reference 3 3.3.3.1	e Number	Refe	rence Sec	tion .	Page No 3.3.3-1	Am98           4	sion (2)	O. Number
Ansv Tech Accid Mater Quest	wers: [] R A Specs dent Monitorin rial Required tion Source: tion Source (	TS 3.3.3 re noperable aference g Inst Mon for Exami	ritle		Facilit LCO 3.3.3 1BwOSR uestion M	y Reference 3 3.3.3.1 odification	že Number Method:	Refe	sheets	tion .	Page N 3.3.3-1 D-3	Am98           4	sion (2)	O. Number
Ansv Tech Accid Mater Quest	wers: [] R A Specs dent Monitorin rial Required tion Source: tion Source (	TS 3.3.3 re noperable aference g Inst Mon for Exami	ritle		Facilit LCO 3.3.3 1BwOSR uestion M	y Reference 3 3.3.3.1 odification	že Number Method:	Refe	sheets	tion .	Page No 3.3.3-1 D-3	3     Revis       3     Am98       4     4       1     4       1     1	sion £	O. Number
Ansv Tech Accid Mater Quest	wers: [] R A Specs dent Monitorin rial Required tion Source: tion Source (	TS 3.3.3 re noperable aference g Inst Mon for Exami	ritle		Facilit LCO 3.3.3 1BwOSR uestion M	y Reference 3 3.3.3.1 odification	že Number Method:	Refe	sheets	tion	Page No 3.3.3-1 D-3	2. Revis	sion 1	O. Number

	RO	SkyScraper	SRO	Skyscraper	RO	System/Evoluti	on List SRC	System/Evol	ution List	Dutline Ch	anges		Chun	234
	Ques	stion Topi	Read	tor Protect	ion Syste	m							ليحويدون	
	Give	n the follow	ving plant	conditions	on Unit 1	:								
5	4 - 11	ne reactor	tripped or	n a LO-2 S/	G narrow	ems in a norma range level co en as expected	al, automatic line. ondition	ıp						
	With	NO operat	or action,	the steam	dumps w	ill open on a si	ignal from the	(1)	controller and	will control	Tave at _	(2)		
		_(1)			_(2)		nadinalistationation : Anticiaet (participaetation)				e Alfondor <u>Alfo</u> draete		ান কেন্দ্র নায় কেন্দ্রিকালক ইকর্বা	
1 1.1 1.1 1.1 1 1 1 1 1	a.	Plant trip		n stor Na http://doi.org/ Na http://doi.org/	557°F					inter (Standard (Standard) Standard (Standard)			teres a second	
	b.	Load reje	1997 - 1996 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	ر. ورا در مرد به م	557°F			يواغه ويعرود والمحرومة	an ta ta na sa	01041 J. 55.	**************************************			
	Ċ.	Load reje	ect		560°F			2 (4) (2) (A) (4) (4)		<u>El esta Serre</u>	ala Bessier-	r. RALLÍN SERIE	Sectoral also	errere and An redeficie
	d.	Plant trip			560°F					i se				<u></u>
	Answe	r c	Exam L	evel B	1 0				<u></u>					
		012000K3		•		gnitive Level	Application			od	ExamD	ate:	7/	19/02
• 	••••••••••••••••••••••••••••••••••••••	n/Evolutio		K3.03 Reactor F		Value: 3.		<u>هي</u> نا ليسمير ال	ction: SYS	ROO	iroup:	2 <b>S</b> F	O Group:	2
на на селото на селот На селото на селото н На селото на селото н				1	*****		nction of the Rea		******					
ſ			000				and the bar share the line	28 A. B. B.	14. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	a l'arte de te	ave a cha	and the area	Sec. 1. Level	ser and Ser der
	Explan Answe	ation of rs:	RTA arm Tempera	s the stean ture will be	n dumps i controlle	n the plant trip d within a 3°F	mode. (A&D) are deadband - in this	e incorrect as s case from r		1				Ī
	Y.			Title		ار این و در این این این معام کر او اساله در داده او در در در در از مرز <u>و از او</u>	y Reference Nun	وبرما يتبادلها الت		વેશકો હોઇન ચંધ		de <sup>st</sup> ante qui	y. trating	
	Operate	or Big Note	es <u>,</u>			MS-4						6		
							•							
ļ									<b></b>	][	]			
1-				mination	2000 J									
				lity Exam B	ank	Question M	odification Meth	od: Dire	ct From Source	Us	ed During	i Trainin	g Program	
	Questic	on Source	Commer	ots										
	Comme	nt Type	Comme	nt		- 	56 <b>4</b> 41	in the second second			R	eviews C	omplete	
											And a	er 🗌		
				******								uperviso	<b>v</b>	
		]	[	**********				*****	*****			icility		
£					100000-01100 (classic or concentration)									

/ 4	
. 07	0

	that the	of the following re e allowable heat g	eneration rate	on system tr = (kw/ft) of th	ips serves a ne fuel is NO	is a BACK-UP )T exceeded?	to the Pow	er Range N	eutron Flux	- High trip	and is desig	gned to ens	ure
l													
~													
	a. (	OTdT					a sa ang ang ang ang ang ang ang ang ang an					an di san di kata kata ya	Autorio
·						ata a pangata di Salay. Dan sana ta sana sana sana sana sana sana			standaroutet, konto o e ja	san ing ing ing ing ing ing ing ing ing in			
	b. (	OPdT the state of the		A Standard Sta	BUCCE AND AND	ter Miller		ien najeza.	ele la artae	er in station of the state of the	an a	estante d	
	<b>c.</b> [	Pzr low pressure	ten ganga	Salating and the	sidaanke (de	ana <b>e</b> ttipping		anter a sector de la composition de la La composition de la c	en de letter. Ter statelitet		ne ne de service son de Marine de la companya de la Marine de la companya	de for maniput States and states and	n year
		RCS low flow	*****			***							
	Answer	b Exam I	Level B	Connitia	ve Level	Memory	1 1						
	KA: 01	12000K502	K5.02	RO Val		SRO Value:			dwood		nDate:		7/19/0
		Evolution Title	Reactor Pro			n value.	المستحمد المستحمة ( التلك المستحمد التلكي المستحمد التلكي	1	SYS	RO Group:	1	RO Group;	
K	KA State	ment: Knowled	ge of the ope	rational impl		he following co	and the second	ala and a second se		or Protectio	n System:	23)2423	2
E	Explanat	ion of Per TS 3	3 1 - hasis (P		root roop or	A Martine Contraction of the second sec		Calence ogsafg				·····································	1.Fr. no
	Answers		ARE THE 140		Charles States 7 1		iatany tao-	<u> 1986)</u> 1986)	इनिकाल व	公司。如何许良	SCALL ADDRESS		12 B39 Nario
·		and the second se	e Title		Facility R	Reference Nur	nber	leference S	ection	Page No		n L.O. Nu	
1	Tech Spe	ecs	<u>a britte i an i</u>	<u></u> B	Basis	i salaini apag	E	3 3.3.1		17	24		- \$(f.)
~Г										]	<u> </u>		
				and a second sec		And and the state of the state				J [	┛ [		
	Naterial F	Required for Exa	mination	, , , , , , , , , , , , , , , , , , ,			· · ·						
		Required for Exa		 Qui	estion Modi	ification Meth	od:	-		Used Dur	ing Trainin	a Program	
Q	luestion		/	] Que	estion Modi	fication Meth	od:			Used Dur	ing Trainir	ng Program	
a a	uestion Nestion	Source: New Source Commen	v nts								ing Trainir	ng Program	
Q	luestion	Source: New Source Commer	v nts			ification Meth					Reviews (		
a a	uestion Nestion	Source: New Source Commen	v nts									Complete	

	Que	stion Top	ic Engine	ered Safety Fea	tures Actuation S	System (ESFAS)				
	The	following		ist on Unit 1:	*****	****				
	- A - S - Ti - Ti - N - A	RCS LOG afety Inject he Emerg he crew is o CSF hig nnunciato	CA has occur ction and all l rency Directo performing gher than YE. r 1-6-B7," RV	rred. ESFAS equipme r has declared a the actions of 1E LLOW is in effec VST LEVEL LO	BWEP ES-1.2, "Post at -2" has just alarm	ost LOCA Cooldown ar		2		
				ns should be tal	********				5 · · · ·	he to the s
196	a.	A Site E	vacuation sh	ould be ordered	AND the people	directed to assemble a	at the New Training	Building	usphater	E
د المحمول موجود مع المحمول المع المحمول محمول المحمول ا المحمول المحمول					and the second	enter the second se	- en el se el superior de la forma de la compañía d	S. A. Barriera	and a second appropriate	na ang kang kang kang 🖬 👘
n nations	b.	A plant a	announceme	nt should be ma	de warning persi	onniel to restrict entry in	to the Aux Building	due to potential	high radiation	with the state of the second second
	<b>c</b> .	The eve	nt should be	reclassified as a	General Emera	ency AND the NRC, St	ate and local gauge			
and a second second		,							1	
	d.	Protectiv	e Action Rec	commendations	(PARs) determin	ed AND State and loca	l governments notifi	ed within 1 hour	following evaluat	ion I
ta 1. an	Answe	1	Exam Lev		ognitive Level	-				
	KA:	013000G				Comprehension	Facility: Braidwo	pod · ; E	xamDate:	7/19/02
		n/Evolutio			RO Value: 2.			S RO Grou	p: 1 SRO	Group: 1
		tementa	······································		ty Features Actu	ation System			「「「「「」」	013
	INA SIA	tements	Knowledge	of system statu	s criteria which re	equire the notification o	and Constant Party	1	219 L	A MERINA SERVICE COME (M.
ज्यसम्बद्धः । सन्दर्भः	Explan	ation of	(A) Incorrect	t - No radiologic	al safety hazzar	I worronting				Charles Constanting and the second
	Answei	rs:	high rad lev	els in the aux bu	uilding. (C) Incor	rect - No General Eme	rgency conditions ha	ave been met. (	over to recirc may D) Incorrect - PAF	cause Rs are only
	i certifi (1476) F	-	Statistic - Yes	LEILER CHARLES	Site Dat of the grad	STREETS STREETS				
an a		and the second s	1	tle		reference futiliber	Reference Sect	ion Page	No. Revision	-O. Number
		r to cold l				-1.2	CAUTION	10		
• • • • • • • •			ions Emergen		and a support of the	idwood Annex	Initiating Condition	ons 3,4	6	
					EP-AA-111			1-16		
- 1-			d for Exami	nation						:
		n Source		acility	Question Mo	dification Method:	Editorially Modified	Used [	Juring Training P	
	Questio	n Source	Comments	2001 Prairie			£		enng ridning r	
	Commei	nt Type	Comment							
		<u>ke type</u>	Comment	<u> </u>		an a	da dharing të të ba	n an an an an a'	<b>Reviews</b> Com	iplete
in Summe									Peer	
		1							Supervisory	
			£				·····			
1		*******								
										68

1					4 с л						
				·							
	1 <b>1</b>	- 01 - 11			ty i a potra se altre a tra de la companya de la companya tra de la companya		generation and	n an tana sa tar	م محمد معام معرف مراجع والمراقع محمد ما المراجع	a tur or Antonio antonio Attigate or or	•
• • • • • <b>a.</b>		c SI will occur. Tra	ain A ECCS eq	uipment will a	automatically start.	Train B ECCS	equipment m	ust be manua	lly started	Lo maiser	Bar
b.	Automati	c SI will NOT occi	ur. Train A and	Train B ECC	S equipment will a	utomatically sta	art when SI is	manually actu	ated	the second second	
<b>.</b>	1		and the state of the second state of the secon	and the second second second second	and the second	na an a	・ もと きみ・5 ようようようとう とうどう ふうう	and the second	e in the state of the	يوبه فانتهاره المناولا	Sector Carlos Contra
	1				ipment will automa						Ascenting A
d.	Automatio	c SI will NOT occu	ur. Train A ECC	S equipment	must be manually	started. Tráin	B ECCS equip	ment cannot	be started	J.	
Answe	era	Exam Level	R Cogni	itive Level	Application	Facility:	Braidwood		nDate:		
KA:	013000K2	01 K2.01	ROV	alue: 3.6*		3.8 Section					7/19/0
Syster	m/Evolutio	n Title Engine			tion System		······································	RO Group:	<u>المستحمد المستحمد المستحم الم</u>	SRO Gro	· · · · · · · · · · · · · · · · · · ·
				aluies Auluai							
KA Sta	atement:			and the second				y osterna i			013
KA Sta	atement:	Knowledge of bu	s power suppli	es to the follow	wing:' *	建催去的		12174.5	) Statia	(analasia	
Explan	nation of	Knowledge of bus ESFAS/safeguard	s power supplie ds equipment c	es to the follow control			1	in an thair An thairt an thairt	) SSEMPA SSE	(anales) Choise	sine ye h
n Alter Statistics Texture	nation of ers;	Knowledge of bu ESFAS/safeguan SI will automática as designed. The	s power suppli ds equipment c ally actuate, bot y can be manu	es to the follow control th trains, Train ally started <i>(</i> )	wing:	vever have los prrect - SI will	t the relay (en actuate, Train	ergize to actua B will not auto	ate) and v	(anales) Choise	sine ye h
Explan Answe	nation of Prs:	Knowledge of but ESFAS/safeguard SI will automatica as designed. The auto start (D) find	s power supplieds equipment of ally actuate, both actuate, both actuate, both actuate, both actuate and be manu connect.	es to the follow control th trains. Train rally started. (/ will auto star	wing: n B ESF Loads how A) Correct (B) inc	/ever have los prrect - SI will	t the relay (en actuate, Train	ergize to actua B will not auto	ate) and v start_(C	vill not au ) Train B	uto start will not
Explan	nation of ers:	Knowledge of but ESFAS/safeguari SI will automatice as designed. The auto start (D) inc eference Title	s power supplieds equipment of ally actuate, both actuate, both actuate, both actuate, both actuate and be manu connect.	es to the follow control th trains. Train ally started. () will auto star Facility (	wing: n B ESF Loads hov A) Correct (B) inc Reference Numbe	vever have los prrect - SI will	t the relay (en actuate, Train	ergize to actua B will not auto	ate) and v o start (C	vill not au ) Train B	sine ye h
Explan Answe	nation of Prs:	Knowledge of but ESFAS/safeguari SI will automatice as designed. The auto start (D) inc eference Title	s power supplieds equipment of ally actuate, both actuate, both actuate, both actuate, both actuate and be manu connect.	es to the follow control th trains. Train ally started. (/ will auto star Facility ( 1BwOA ELE	wing: n B ESF Loads hov A) Correct (B) inc t Reference Numbe	vever have los prrect - SI will r Referen table D	t the relay (en actuate, Train	ergize to actua B will not auto	ate) and v o start (C	vill not au ) Train B	uto start will not
Explan Answe	nation of ers:	Knowledge of but ESFAS/safeguari SI will automatice as designed. The auto start (D) inc eference Title	s power supplieds equipment of ally actuate, both actuate, both actuate, both actuate, both actuate and be manu connect.	es to the follow control th trains. Train ally started. (/ will auto star Facility ( 1BwOA ELE	wing: n B ESF Loads hov A) Correct (B) inc Reference Numbe	vever have los prrect - SI will r Referen table D	t the relay (en actuate, Train	ergize to actua B will not auto	ate) and v o start (C	vill not au ) Train B	uto start will not
Explan Answe	f Instrumen	Knowledge of but ESFAS/safeguard SI will automatica as designed. The auto start (D) find the start (D) find	S power supplie ds equipment of ally actuate, boly can be manu onect - Train A	es to the follow control th trains. Train ally started. (/ will auto star Facility ( 1BwOA ELE	wing: n B ESF Loads hov A) Correct (B) inc t Reference Numbe	vever have los prrect - SI will r Referen table D	t the relay (en actuate, Train	ergize to actua B will not auto Page No 18	ate) and v o start (C	vill not au ) Train B	uto start will not
Explan Answe Loss of Materia	al Required	Knowledge of but ESFAS/safeguard SI will automatica as designed. The auto start (D) inc eference Title t Bus	s power supplie ds equipment of ally actuate, bot y cân be manu onect - Train A	es to the follow control th trains. Train ally started. (/ will auto star Facility ( 1BwOA ELE	wing: n B ESF Loads hov A) Correct (B) inc t Reference Numbe	vever have los prrect - SI will r Referen table D	t the relay (en actuate, Train	ergize to actua B will not auto Page No 18	ate) and v o start (C	vill not au ) Train B	uto start will not
Explan Answe	Aation of ers; f Instrument al Required on Source;	Knowledge of but ESFAS/safeguan SI will automatica as designed. The auto start (D) find eference Title t Bus for Examination Facility Exam	s power supplieds equipment of ally actuate, both so that is a second se	es to the follor control th trains. Train ally started. (/ with auto star Facility: I 1BwOA ELE	wing: n B ESF Loads how A) Correct (B) inc Reference Numbe C-2	vever have los orrect - SI will r () table D	t the relay (en actuate, Train ice Section	ergize to actua B will not auto Page No 18	ate) and v o start (C   100 	vill not au ) Train B	ito start will not
Explan Answe Loss of Materia Questic	al Required	Knowledge of but ESFAS/safeguan SI will automatica as designed. The auto start (D) find eference Title t Bus for Examination Facility Exam	s power supplieds equipment of ally actuate, both so that is a second se	es to the follor control th trains. Train ally started. (/ with auto star Facility: I 1BwOA ELE	wing: n B ESF Loads hov A) Correct (B) inc t Reference Numbe	vever have los orrect - SI will r () table D	t the relay (en actuate, Train ice Section	ergize to actua B will not auto Page No 18	ate) and v o start (C   100 	vill not au ) Train B	ito start will not
Explan Answe	al Required on Source	Knowledge of but ESFAS/safeguard SI will automatica as designed. The auto start (D) find eference Title t Bus for Examination Facility Exam Comments	s power supplie ds equipment of ally actuate, bot ey can be manu oneut - Train A and a state of the supplier of the supplier o	es to the follow control th trains. Train ally started. ( with auto star Facility if 1BwOA ELE	wing: n B ESF Loads how A) Correct (B) inc Reference Numbe C-2	vever have los orrect - SI will r () table D	t the relay (en actuate, Train ice Section	ergize to actua B will not auto Page No 18	ate) and v o start (C Revis	vill not au ) Train B	ito start will not
Explan Answe	al Required on Source	Knowledge of but ESFAS/safeguard SI will automatica as designed. The auto start (D) find eference Title t Bus for Examination Facility Exam Comments	s power supplie ds equipment of ally actuate, bot ey can be manu oneut - Train A and a state of the supplier of the supplier o	es to the follow control th trains. Train ally started. ( with auto star Facility if 1BwOA ELE	wing: n B ESF Loads how A) Correct (B) inc Reference Numbe C-2	vever have los orrect - SI will r () table D	t the relay (en actuate, Train ice Section	ergize to actua B will not auto	ate) and v o start (C   100    vill not au ) Train B ion LO	ito start will not Number	
Explan Answe	al Required on Source	Knowledge of but ESFAS/safeguan SI will automatica as designed. The auto start (D) find eference Title t Bus for Examination Facility Exam	s power supplie ds equipment of ally actuate, bot ey can be manu oneut - Train A and a state of the supplier of the supplier o	es to the follow control th trains. Train ally started. ( with auto star Facility if 1BwOA ELE	wing: n B ESF Loads how A) Correct (B) inc Reference Numbe C-2	vever have los orrect - SI will r () table D	t the relay (en actuate, Train ice Section	ergize to actua B will not auto Page No 18 18	ate) and vo start (C start (C   Revis   100   10	vill not au ) Train B ion L.O 	ito start will not Number
Explan Answe	al Required on Source	Knowledge of but ESFAS/safeguard SI will automatica as designed. The auto start (D) find eference Title t Bus for Examination Facility Exam Comments	s power supplie ds equipment of ally actuate, bot ey can be manu oneut - Train A and a state of the supplier of the supplier o	es to the follow control th trains. Train ally started. ( with auto star Facility if 1BwOA ELE	wing: n B ESF Loads how A) Correct (B) inc Reference Numbe C-2	vever have los orrect - SI will r () table D	t the relay (en actuate, Train ice Section	ergize to actue B will not auto Page No 18 18 19 10 10 10 10 10 10 10 10 10 10 10 10 10	ate) and v o start (C   100    vill not au ) Train B ion L O	ito start will not Number	

	(1)	nonication on e	ach steam gen _(2)	erator whi	ch input to	m (ESFAS), there are(2) independe	(1) chanı nt safety trains of ESI	F.	range steam g	generator level
	<b>a.</b> ][	2.36 an ann an 199	4				an ann an Anna an Anna an Anna an Anna	ja 1. se	Sin inggan ngangangan sa	n na na na seu tra constante da seu tra esta constante da seu tra constante da se
5-1 - 1 - 1 - 1 - 1 - 1					and the second second second	arter and an and a second s	in an	1.55 Design	i i i i i i i i i i i i i i i i i i i	
	. <b>b.</b> [	2 ALTER CALLER AND THE AND	2	aloonere R.	an merdiner	行生代化的运行时代的标	alter and the second	N. W. Shakara an	-1115-4-16-537644	abovérovation a tra
						an a				
	Transmission - Stationer					de normanis i den devendration de seux		ses normana a	here the fillen station	strates in the particular
	<b>d</b> , 4		. 4 小心的能力	and and a second se	Historiazi-		diana ai	- Arismanoy		A ST CARLES TO BE
A	nswer	c Exa	m Level B	Cog	nitive Level	Memory	Facility: Braidwood	d I Ex	amDate:	7/19/0
K	<b>A:</b> 01	13000K501	K5.01	RO	Value: 2.8			RO Group		
- Sy	/stem/l	<b>Evolution Title</b>	Engineer	ed Safety F	eatures Actua	tion System				RO Group:
		ment: Know	ledge of the o	perational i	implications of	the following assessed			od u marky slag	
	in en service Stationes (Stationes) Stationes (Stationes)	Syste	m: itions of safety	train and t			as they apply to the E	ingineered Sat	ety Features	Actuation
_ I.			in on salety	uan anu p	-SF channel	n an	strates and strates	C. 12 - 145		
		ion of There	are 2 indeper	ident trains	s of ESF (A&B)	Each frain will receive				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
An	swers	gener	ator for ESF p	urposes. (1	TS 3.3.2) (C) is	Only correct combined	an input from each o	ne of 4 level c	nannels on ea	ch steam? Stor
An	swers	gener	ator for ESF p	urposes. (1	TS 3.3.2) (C) is	only correct combination	an input from each o	ne of 4 level c	nannels on ea	ch steam: S
An	Swers	gener Refere	ator for ESF p	urposes. (1	Facility	Only correct combined	Reference Section	ne of 4 level cl	nannels on ea	n LO.Number
An ES	Swers	gener Refere	ator for ESF p	urposes. (1	Facility I I1-EF-XL-01	Cach gain will receive only correct combination Reference Number	an input from each o	ne of 4 level cl	nannels on ea lo. Revision	n LO. Number
An ES	Swers	gener Refere	ator for ESF p	urposes. (1	Facility I I1-EF-XL-01	Reference Number	an input from each o on Single Section Reference Section	n Page N	nannels on ea	n LO.Number
ES	Swers F LP ch Spe	gener Refere	ator for ESF p	Jrposes. (1	Facility I I1-EF-XL-01	Reference Number	an input from each o on Single Section Reference Section	n Page N	nannels on ea lo. Revision	n LO.Number
ES	F LP ch Spe terial R	Refere ccs	ator for ESF p	UTPOSES. (1	FS 3.3.2) (C) is Facility I II-EF-XL-01 LCO	Reference Number	An input from each of section         Reference Section         1         1         3.3.2	ne of 4 level c	IG: Revision Am115	n LO. Number
	F LP ch Spe terial R estion	Refere ccs	ator for ESF p nce little xamination	UTPOSES. (1	FS 3.3.2) (C) is Facility I II-EF-XL-01 LCO	Reference Number	An input from each of section         Reference Section         1         1         3.3.2	ne of 4 level c	nannels on ea lo. Revision	n LO. Number
	F LP ch Spe terial R estion	Refere CS Required for E Source:	ator for ESF p nce little xamination	UTPOSES. (1	FS 3.3.2) (C) is Facility I II-EF-XL-01 LCO	Reference Number	An input from each of section         Reference Section         1         1         3.3.2	ne of 4 level c	IG: Revision Am115	n LO. Number
	F LP ch Spe terial R estion	gener Refere CS Required for E Source:	ator for ESF p nce little xamination	urposes. (1	FS 3.3.2) (C) is Facility I II-EF-XL-01 LCO	Reference Number	An input from each of section         Reference Section         1         1         3.3.2	ne of 4 level c	ic. Revision	n LO Number
	Swers F LP ch Spe terial F estion	gener Refere CS Required for E Source:	ator for ESF p nce   itie xamination lew hents	urposes. (1	FS 3.3.2) (C) is Facility I II-EF-XL-01 LCO	Reference Number	An input from each of section         Reference Section         1         1         3.3.2	ne of 4 level c	IG: Revision IG: Revision Am115 Am115 Am115 Reviews C	n LO Number
	Swers F LP ch Spe terial F estion	gener Refere CS Required for E Source:	ator for ESF p nce   itie xamination lew hents	urposes. (1	FS 3.3.2) (C) is Facility I II-EF-XL-01 LCO	Reference Number	An input from each of section         Reference Section         1         1         3.3.2	ne of 4 level c	ic: Revision	n LO. Number 5,7 9 Program
	Swers F LP ch Spe terial F estion	gener Refere CS Required for E Source:	ator for ESF p nce   itie xamination lew hents	urposes. (1	FS 3.3.2) (C) is Facility I II-EF-XL-01 LCO	Reference Number	An input from each of section         Reference Section         1         1         3.3.2	ne of 4 level c	IG: Revision IG: Revision Am115 Am115 Am115 Reviews C	n LO. Number 5,7 9 Program

	Q	iesti	on Topic	Rod	Position Indica	tion Syst	em (RPIS)								
	Th	ne fo	llowing co	onditions	exist on Unit 1	:									
	-	Rea Indi	actor pow ividual an	er is holo d group	ding steady at position indicat	1x10e-8 a tors show	amps during a all control b	a normal re ank D rods	actor startup at 120 steps	withdrawn					
$\overline{}$	an	d D2	groups.	DRPI inc	licators for rod	s D-12, N	I-4, and H-8	ange in RC indicate 0 s	S Tave. The teps. All othe	control ban r rod postic	denly drops by k D step counte on indicators (D		104	ues to for both D1	
renda a bini denga j					as occurred bas				N Branzisky († 1					e al éterletre.	l [
antinense -		a.	The conti	ol bank :	step counters a	ind assoc	ciated DRPI i	ndicators, a			tions are consis				
		<b>6</b> .	The indiv	idual rod	position indica	tors appe	ear to have fa	ailed, more	than a single	dropped ro	od would have r	esulted in a r	eactor trip	entra, ventelare	3814. J.N.4.
REFERENCES.			The contr	ol bank I	D group 2 step	counter l	nas failed, it s	should also	read 0 steps	if the rods	in this group are	e fully inserte	d d	nin main die Colora de Ang	
ecterativ	G	<b>1.</b>	Either the	control	oank D group s	tep ćoun	ter or 3 DRP	l indicators	have failed, r	ot enough	information is p	rovided to de	etermine w	vhich	
	Ans	wer	a	Exam	_evel B	Cogni	tive Level	Application	on F	acility: E	Braidwood 🕴 ,	Exam	ate:	7/19	/02
ی د د	KA:	a [	14000K1		] K1.02 → 🔄	ROV	alue: 3.0	SRO Va	lue: 3.3	Section:	SYS R	O Group:	2 SR	O Group:	
	Syst	tem/	Evolutio	n Title	Rod Position	Indicatio	on System	- Ternett Societ	icionan biga	h lar			n an	014	
	KAS	State	ement:	Knowlec NIS	lge of the phys	ical conn	ections and/o	or cause-ef	fect relations	ips betwee	en Rod Position				
	Expl Ansi				ns provided an rect - group co endent affect c	untersar	e demand in	ple droppe dicators on	d rods. (A) is lý: (D) incorre	córrect. (B) ct - given N	) incorrect - the NS response; D	reactor does RPI or group	not trip fro demand	om neg rate counters have	
	1.0	9. 189		eferenc	e Title				Number		e Section		an a		
СКТ — Л Х. И	-	dans and		Acres A to A t	or Misaligned R	222 200 200 200 200 200 200 200 200 200	1BwOA RO			Symptom		Page No.	101	E.O. Numb	
	Bwd	Big	Notes			<u> </u>	RD-6	h há ar triðiga.	talan si kara	DRPI Ind		1	2	<ul> <li>Structure and structure</li> <li>Structure</li> </ul>	-
						]					]				
ľ.	Mate	rial	Required	l for Exa	mination	<u> </u>					<u></u>				<u>  </u>
	Ques	stion	Source	Fac	ility Exam Banl	<u> </u>	uestion Mo	dification I	Method:	Editorially N	Modified	Used Durin	g Training	g Program	
	Ques	stion	Source	Comme	nts										
	Com	men	t Type	Comme	ənt	<u>1</u>			1				eviews C	omplete	
								****	*****				eer		
													uperviso acility		
				1							·····				
														7	<u> </u>

1 1	ANUTAL	lescribes the ef	fects of a	short uninte	entional emerg	ency bora	tion on the reac	for at 75%	DOWOR Ace	ma th-t		······
	ANUAL.					, -,			POWER. ASSL	urne that co	ontrol rods	are
1												
-1												
									<b>*</b> .			
				• • • • • • • •					۰ ۱۹۹۰ - ۲۰۰ ۱۹۹۰ - ۲۰۰	n an an an an An an		
a.	Tave initially decr	eases causing:	reactor p	ower to deci	rease. Tave th	ien increas	ses to approximation	ately the in	nitial value	bizecina cinc	Sec. 1	· . ·
b.	Tave initially incre	ases causing r	eactor po	wer to decre	ease Tave th	n dogroop			President (* 1910) Statestick			
							化并非可能分离 化氟甲酸乙酸	124 SAULT AL 2191		. 이 지 않는 것이 했는 것이 없다.	Sala da Sala da	A
<b>c.</b>	Reactor power ini	tially decreases	causing	Tave to dec	rease. Reaction	prover th	en increases to	approxim	ately the initia	al value.		Leinithe
d.												- <b>1</b>
	Reactor power init				ease. Reacto	r power the	en increases to a	approxima	tely the initia	l value.		507
Answe	er c Exam	Level	Cognit	ive Level	Application		acility: Braid	lwood	Exam	Date		7/19/0
KA:	015000A107	A1.07	RO V	alue: 3.3	* SRO Valu	e: 3.4			RO Group:			
System	n/Evolution Title	Nuclear Instr	umentatio	on System	RITER TO SAME			( <b>E</b>			O Group	20 <b> </b>
KA Sta	itement: Ability to						ith operating the		an r-Accara	1920 225444464	<u>9 0</u> 1	5
rates. An an an an an an		a:		9P		sociated w	ial operating the	e Nuclear	Instrumentati	on System	controls	Gales -
							ちゃ とうさん したも ール		and the second second	iadating land	Selection also selected	
City was a second	Change	s in boron conc	entration			an a		م في المريخ المريخ	na an an Araba An Araba	<u></u>	tata is chiracher	
City was a second	Change	s in boron conc is an added on	entration	er peutrone	ovoilable (	na hayar Markar Markara		44-34, <u>1</u> -4	<u>na di san di sina di sina di</u> Kanangan di sana di san Kanangan di sana di san		teres in an and a second	
Explana Answer	ation of Boration rs: power re	s in boron conc is an added po sults in a lower	entration bison, few Tave. As	er neutrons Tave decre	available for eases, (+) rea	absorption ctivity is ad	in the fuel, reac Ided causing rea	tor power actor powe	decreases. 7 er to increase	The decreas	se in reac	tor tor
Answer	Ation of rs: Power re	s in boron conc is an added po sults in a lower e Title	entration lison, few Tave. As	er neutrons Tave decre Facility	available for eases, (+) rea Reference N	absorption ctivity is ad umber	in the fuel; reac Ided causing rea	tor power actor powe	decreases. T er to increase	The decreas	sé in reac ct respoor	tor ise.
Explana Answer	ation of Boration rs: power re	s in boron conc is an added po sults in a lower e Title	entration lison, few Tave. As	er neutrons Tave decre	available for a eases, (+) rea Reference N	absorption ctivity is ad umber	in the fuel, reac Ided causing rea	tor power actor powe	decreases. 7 er to increase	The decreas (C) correct	sé in reac ct respoor	tor ise.
Explana Answer	Ation of rs: Power re	s in boron conc is an added po sults in a lower e Title	entration lison, few Tave. As	er neutrons Tave decre Facility BwOP CV-(	available for a eases, (+) rea Reference N	absorption ctivity is ad umber	in the fuel; reac Ided causing rea	tor power actor powe	decreases. T er to increase	he decreas a. (C) correct	sé in reac ct respoor	tor ise.
Explana Answer	Changes ation of rs: Boration power re Reference Operating Procedu	s in boron conc is an added po esults in a lower e Title ires	entration lison, few Tave. As	er neutrons Tave decre Facility BwOP CV-(	available for a eases, (+) rea Reference N	absorption ctivity is ad umber	in the fuel; reac Ided causing rea	tor power actor powe	decreases. T er to increase	he decreas a. (C) correct	sé in reac ct respoor	tor ise.
Explana Answer	Changes ation of rs: Boration power re Reference Operating Procedu	s in boron conc is an added po esults in a lower e Title ires	entration ison, few Tave. As	er neutrons Tave decre Facility BwOP CV-(	available for a eases, (+) rea Reference N	absorption ctivity is ad	in the fuel; reac Ided causing rea	tor power actor powe	decreases. T er to increase	he decreas a. (C) correct	sé in reac ct respoor	tor ise.
Explana Answer	Changes ation of rs: Boration power re Reference Operating Procedu I Required for Exa on Source: Faci	s in boron conc is an added po esults in a lower of Title tres mination	entration ison, few Tave. As	er neutrons Tave decre Facility BwOP CV-(	available for a eases, (+) rea Reference N	absorption ctivity is ad	in the fuel; reac Ided causing rea	tor power actor power	decreases. T er to increase	The decreases: (C) correct Revision	sé in reac ct respoor	tor Ise.
Explana Answer Normal Material Questio	Changes ation of rs: Boration power re Reference Operating Procedu	s in boron conc is an added po esults in a lower a Title tres mination	entration ison, few Tave. As	er neutrons Tave decre Facility BwOP CV-(	available for a eases, (+) rea Reference N	absorption ctivity is ad	in the fuel, reac ded causing read Reference Se Precautions	tor power actor power	decreases: 7 er to increase Page No. 2 035	The decreases: (C) correct Revision	sé in reac ct respoor	tor Ise.
Explana Answer	Changes ation of rs: Boration power re Reference Operating Procedu I Required for Exa m Source: Factor n Source Commen	s in boron conc is an added po esuits in a lower e Title ires mination	entration bison, few Tave. As	Facility BwOP CV-6	available for eases, (+) rea Reference N 3 dification Me	absorption ctivity is ad umber	in the fuel, reac ded causing read Reference Se Precautions	tor power actor power	decreases: 7 er to increase Page No. 2 035	he decreas : (C) correct Revision	sé in reac ct respoor	tor Ise.
Explana Answer	Changes ation of rs: Boration power re Reference Operating Procedu I Required for Exa m Source: Factor n Source Commen	s in boron conc is an added po esults in a lower a Title tres mination	entration bison, few Tave. As	Facility BwOP CV-6	available for eases, (+) rea Reference N 3 dification Me	absorption ctivity is ad umber	in the fuel, reac ded causing read Reference Se Precautions	tor power actor power	decreases: 7 er to increase Page No. 2 (15) 1	Revision	sé in reac ct respoor	
Explana Answer Normal Material Question Question	Changes ation of rs: Boration power re Reference Operating Procedu I Required for Exa m Source: Factor n Source Commen	s in boron conc is an added po esuits in a lower e Title ires mination	entration bison, few Tave. As	Facility BwOP CV-6	available for eases, (+) rea Reference N 3 dification Me	absorption ctivity is ad umber	in the fuel, reac ded causing read Reference Se Precautions	tor power actor power	decreases: 7 er to increase Page No. 2 04 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The decreases: (C) correct Revision	sé in reac ct respoor	
Explana Answer Normal Material Question Question	Changes ation of rs: Boration power re Reference Operating Procedu I Required for Exa m Source: Factor n Source Commen	s in boron conc is an added po esuits in a lower e Title ires mination	entration bison, few Tave. As	Facility BwOP CV-6	available for eases, (+) rea Reference N 3 dification Me	absorption ctivity is ad umber	in the fuel, reac ded causing read Reference Se Precautions	tor power actor power	decreases: T er to increase Page No. 2 05 1 2 0 1 0	Revision	sé in reac ct respoor	
Explana Answer Normal Material Question Question	Changes ation of rs: Boration power re Reference Operating Procedu I Required for Exa m Source: Factor n Source Commen	s in boron conc is an added po esuits in a lower e Title ires mination	entration bison, few Tave. As	Facility BwOP CV-6	available for eases, (+) rea Reference N 3 dification Me	absorption ctivity is ad umber	in the fuel, reac ded causing read Reference Se Precautions	tor power actor power	decreases: 7 er to increase Page No. 2 (04) 3 (04) 4 (04)	Revision          Ine decrease         Image: Content of the second secon	sé in reac ct respoor	

	Question Topic Nuclear Instrumentation System	
	The following conditions exist on Unit 2:	
	<ul> <li>A normal reactor startup is in progress</li> <li>Reactor power is steady at 1000 cps</li> <li>PR NI channel N-41 has failed low</li> <li>Operators have completed performing 2BwOA INST-1, "Nuclear Instrumentation Malfunction" for the failed PR channel</li> </ul>	
	Seconds later the control power fuses on PR channel N-43 both indicate blown	
	Which of the following describes the next action to take:	
NTTERFORE	Verify all rod at bottom lights LIT: Glade Roll control and the location of the location	
<b>地区均利</b> 纳。	Manually reinsert all control bank rods	e See
93.986-8 .)	Manually reinsert all control and shutdown banks-	
	Complete the startup to <p-10 instruments<="" ir="" only="" th="" using=""><th>97 A.</th></p-10>	97 A.
(1-3 数元的 - 1		-
an a statisticana 1996 - Hensenson C. Na diagonalistican 1996 - Hense I. Sona a	KA:       015000K604       K6.04       RO Value:       3.1       SRO Value:       3.2       Section:       SYS       RO Group:       1       SRO Group:       1         System/Evolution Title       Nuclear Instrumentation System       Nuclear Instrumentation System       015	а <u>қ</u>
aras (1944)	KA Statement: Knowledge of the effect of a loss or malfunction on the following will have on the Nuclear Instrumentation System 2010	<u>.</u>
la febreta (g	Explanation of automatic trip on PR instruments is active, even at < indictated PR power, SP instruments is active.	
	distractors (D.C.D.) plausible but interest	i Fli IBek min
	Reference Title	
	Braidwood Big Notes NI-2 1 4 4	
1		·
-	Material Required for Examination	
	Question Source: New Question Modification Method: Used During Training Program	
	Question Source Comments	
	Comment Type Comment :	
	Reviews Complete	
	Supervisory	
I		

	Whi	ich of the f	ollowing N	lain Control B	oard reco	orders pro	ovides the r	operator with	the option	n of SEL	ECTINO				<
				lain Control B						N OT SEL	ECTING spe	ecific chann	els for trei	nding?	
	1														
		Sa a													
	l						· · · ·	ی کاری بیرو ویشمیدی می میراند. میرو بیراند کاری کاری میگرد از م	n a terda ya sa a Marina a sa	<i></i>				e a ter a sea ae	in sa gerin Sector da la
5.	in a.	1LR-93	0 RWST L	.evel		. 1. Sk. 3	verserier	autoric Alberta	1.580,5350	<sup>6</sup> - 59, 49 e			there started	eter er en er en er	
<u>8</u>	b.	1PR-93	7 Contain	ment Pressure	1949 - 1949 1949 - 1949 1949 - 1949 - 1949		and and a strict of the strict and a strict of the strict	<u>er (h. deregi, e. e. d. 194</u> Alexandre en der					a second states		白土村 こうひもう
••••	100000000			ment Pressure	and	فريدة والمساهمة والمتركب والمشارعة	Sec. 2 Produced in	and the state of the second	1. Sec. 1. He + A + A	to basis with which	as a start of the second second	医白毛 计语言公司 化原苯甲基 医肠管	1	1.5 Section and	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
ti i	C.	1PR-05	14 Steam	Generator Pre	ssure	nia contra international de la contra de la co	an statisti	erenan	Profikesan)	Skiller an	-meksetteri	1. Sale it blind	sister distant	an a	and Constants. Film to a star
ni. Sjor	d.												Reference i President	edetelek 27 gitzi	N263-992.0
	<u>M.</u>	1111-05	io Steam	Generator Ste	am Flow	/Feed Fic	SW ≩ ™		····	· -	Contrasta	and Sheethe	genjajer (* 1	,	
	Answe	er d	] Exam L	evel B	Cogn	itive Lev	el Men	norv		tur Dr.	jiska John John John John John John John John	1			
	KA:	016000A	102	A4.02		/alue:				<u> </u>	boowbi		nDate:		7/19
	Received in the second	n/Evolutio		·		raiue:			7 6* 6	ction:	SYS	RO Group:	2	SRO Gro	Ment Fr
				Non-Nuclea	- In otra			······································	interimentation and a second second		E	co oroup.			John -
			21.4.1.12				System 33		ailleanana	- <sup>6</sup> 6,111					
		atement:	Ability to	manually ope	rate and/	or monito	System and so	ntrol room:	attikisian Hitanista	i factoria	J	· · · · · · · · · · · · · · · · · · ·	4. <sup>404</sup> 3.	erative i	
. ~ <b>r</b> i <b>f</b>	KA Sta	atement:	Ability to Recorder	manually ope	rate and/	or monito	System of a	ntrol rooms	ai Ukitsi Anno 19 Canadarco 19 Sanadarco	in the second	5 (4 <del>2</del> 4	·		entre: entrette	016
	KA Sta	atement:	Ability to Recorder	manually ope	rate and/	or monito	System of a	ntrol rooms	ai Ukitsi Anno 19 Canadarco 19 Sanadarco	in the second	5 (4 <del>2</del> 4	·		entre: entrette	016
	KA Sta	atement: lation of	Ability to Recorder (A,B,D) h 1PM04J	manually ope rs lave no capab	rate and/ ility to se	'or monito lèct optio	System or in the co pnal channe	ntrol room	a Philip History B. (C) ha	s 2 chan	nels availab	le with a MC	CB seléct	entre: entrette	016
	KA Sta Explan Answe	atement: lation of irs:	Ability to Recorder (A,B,D) h 1PM04J Reference	manually ope rs ave no capab na sio na sio	rate and/ ility to se	for monito	System or in the co mal channe illity Refere	ntrol room	8. (C) ha	s 2 chan	nels availab	·	CB select	or switch	016
	KA Sta Explan Answe MCB La	atement: lation of irs:	Ability to Recorder (A,B,D) h 1PM04J	manually ope rs ave no capab na sio na sio	rate and/ ility to se	for monito	System or in the co nal chânne Illty Refere	ntrol room els on the MC	B. (C) ha	s 2 chan ference	nels availab Section	le with a MC	CB select	or switch	016
	KA Sta Explan Answe MCB La	atement: hation of irs: ayout C LP	Ability to Recorder (A,B,D) h 1PM04J Reference	manually ope rs lave no capab "na sile" Title	rate and/ ility to se	for monito	System or in the co mal chânne illity Refere	ntrol rooms	B. (C) ha	s 2 chan	nels availab Section	le with a MC	CB select	or switch	016
	KA Sta Explan Answe MCB L SGWL	atement: nation of rs: ayout C LP	Ability to Recorder (A,B,D) h 1PM04J Reference	manually ope S ave no capab	rate and/ ility to se	for monito	System or in the co mal chânne illity Refere	ntrol room els on the MC	B. (C) ha	s 2 chan ference	nels availab Section	le with a MC	CB selecto	or switch	016 on
	KA Sta Explan Answe MCB La SGWLC	atement: lation of irs: ayout C LP	Ability to Recorder (A,B,D) h 1PM04J Reference	manually ope rs ave no capab maint site Title	rate and/ ility to se	for monito	System or in the co mal chânne illity Refere	ntrol rooms	B. (C) ha	s 2 chan ference	nels availab Section	le with a MC	CB selecto	or switch	016 on
	KA Sta Explan Answe MCB L2 SGWLC Materia Questio	atement: hation of irs: ayout C LP Il Require on Source	Ability to Recorder (A,B,D) h 1PM04J Reference	manually ope rs lave no capab "na sys Title Dination	rate and/ ility to se	for monito	System or in the co mal channe illity Refere KL-01	ntrol rooms	B. (C) ha	s 2 chan ference	nels availab Section	le with a MC	B selecto	or switch	016
	KA Sta Explan Answe MCB L2 SGWLC Materia Questio	atement: hation of irs: ayout C LP Il Require on Source	Ability to Recorder (A,B,D) h 1PM04J Reference	manually ope rs lave no capab "na sys Title Dination	rate and/ ility to se	for monito	System or in the co mal channe illity Refere KL-01	ntrol rooms	B. (C) ha	s 2 chan ference	nels availab Section	le with a MC	B selecto	or switch	016
	KA Sta Explan Answe MCB L2 SGWLC Materia Questio	atement: hation of irs: ayout C LP Il Require on Source	Ability to Recorder (A,B,D) h 1PM04J Reference	manually ope rs lave no capab "na sys Title Dination	rate and/ ility to se	for monito	System or in the co mal channe illity Refere KL-01	ntrol rooms	B. (C) ha	s 2 chan ference	nels availab Section	le with a MC	B selecto	or switch	016
	KA Sta Explan Answe MCB La SGWLC Materia Questio	atement: hation of irs: ayout C LP Il Require on Source	Ability to Recorder (A,B,D) h 1PM04J Reference	manually ope rs ave no capab na side and Title	rate and/ ility to se	for monito	System or in the co mal channe illity Refere XL-01 Modificati	ntrol room:	B. (C) ha	ference	nels availab	le with a MC	B selecto	or switch	016 00 Numbe W2-10
	KA Sta Explan Answe MCB La SGWLC Materia Questio	atement: lation of ers: ayout C LP Il Require on Source on Source	Ability to Recorder (A,B,D) h 1PM04J Reference d for Exar New Commen	manually ope rs ave no capab na side and Title	rate and/ ility to se	for monito	System or in the co mal channe illity Refere XL-01 Modificati	ntrol rooms	B. (C) ha	ference	nels availab	le with a MC	B selecto	or switch	016 00 Numbe W2-10
	KA Sta Explan Answe MCB La SGWLC Materia Questio	atement: lation of ers: ayout C LP Il Require on Source on Source	Ability to Recorder (A,B,D) h 1PM04J Reference d for Exar New Commen	manually ope rs ave no capab na side and Title	rate and/ ility to se	for monito	System or in the co mal channe illity Refere XL-01 Modificati	ntrol room:	B. (C) ha	ference	nels availab	le with a MC	B selecto	or switch	016 00 Numbe W2-10
	KA Sta Explan Answe MCB La SGWLC Materia Questio	atement: lation of ers: ayout C LP Il Require on Source	Ability to Recorder (A,B,D) h 1PM04J Reference d for Exar New Commen	manually ope rs ave no capab na side and Title	rate and/ ility to se	for monito	System or in the co mal channe illity Refere XL-01 Modificati	ntrol room:	B. (C) ha	ference	nels availab	le with a MC	B selector	or switch	016 00 Numbe W2-10
	KA Sta Explan Answe MCB La SGWLC Materia Questio	atement: lation of ers: ayout C LP Il Require on Source	Ability to Recorder (A,B,D) h 1PM04J Reference d for Exar New Commen	manually ope rs ave no capab na side and Title	rate and/ ility to se	for monito	System or in the co mal channe illity Refere XL-01 Modificati	ntrol room:	B. (C) ha	ference	nels availab	le with a MC	B selecto	or switch	016 00 Numbe W2-10

	of In	In-Cor icore T	e Temperatur hermocouple	re Monitoring s required to	System is uti be OPERABL	ilized as par _E is(	t of the Power (1) with	r Distributio greater tha	n Monitoring Syst	tem (PDMS).	As such, the		number
		(1)	(2					•			relector(s) pr	er core quad	irant.
-1	,							· ·	a the second second	······			
			· · · .	e e Sector e sector s	0. (m.								
	a.	11	and the second	a - samerek	KO II. A I		* 2.867.64		e texter de la com	-			···· · · · · · · · · · · · · · · · · ·
	1					متروفتهم ليرب الأرتشان والمتحميق	والمعادية ومستحلك والمعادين والمواجرين	Congrission into Appirate Rich	الأحفين معيدي وجرائبا تنتقد جنافن ورودي فيكرفهم وروا	and the law of the bost of the	يبار موجود بالبداء ورماردان	· manufactured a secondaria	والمروسة ودهور وخاتلاته
為。 *	b:	14	· Waranditability . Pr	<b>2</b>	der socialisme	sterrite status a	states and the second	téréne ana ang	e Taklat Animani	ana tok inco	a daving and and a	and when the second	Alisaksi in
	<b>c</b> .]	******			and the second	and mainestation	化试验检试验检试验检试验	elise state a substantistical	erezentetetetetetetetetetetetetetetetetete	and the shirt of the shirt of the state	ia pagaalaa shekarar	مواجدته والمصرحان الأولان أوالم والمراقع	diantan in sur 16
					na nasistang sakadi	-more and mild		aran tataya A	Mara de traisleachaireachaireachaireachaireachaireachaireachaireachaireachaireachaireachaireachaireachaireachai	allinitiepekses A	r nister dette	r ide laters a	ANTAL YORS
	d.	20		3		Succession of	to and the second	93 T T	·	5,	witten war.		
	Answe	er c	Exam I									a nama di da kan da kan se	
			Light States	· · · · · · · · · · · · · · · · · · ·		1	Memory	Fac	ility: Braidwoo	od i l	ExamDate:		7/19/02
	- •		0 <b>G222</b> 년 12	· <u></u>			SRO Value:	4.1	section: SYS	RO Gro	up: 1	SRO Grou	<b>p:</b>
			lution Title	In-Core Ter	mperature Mo	onitor Syster	m · ·	- (*	1. SME83.5.0(44	•_•_•_•	and a Discussion		017
K	(A Sta	atemei		et war and the	ALL WEER	2013年1月1日 【19月1日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日	•	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Friday Harden and State	States of the second	1. A.		South Yo
			Knowled	ge of limiting	conditions fo	r operations	and safety lir	mits.	in a star of the case of a	المحافية والمحافظ والمعاصورين			
	<b>x</b> nlan	vation	of TDM22	Trenties 1.	with greater	than or equ	ial to 2 per qu	iadrant. (C)	Correct	·····································	9 48 T 1	28%等于19个小	<b>把</b> 带滚滚
	xplan \nswe	nation Irs:	OI 11 I KM 3.3	the factor in	"""你们这个客户	- "你们的你们的问题。"		and the first in the	a the first we have the state of the	1. and to be a	and a second of the second		
				. Paralyse and				6 9 10 <b>1</b> 1 70,	n sanah nangan sentembah sana	्रम् अस् स्ट्रीस्ट्र	T COM, AND	二、白髓色的。 近	1996.001963) K
		r Nersen Alexandria Alexandria	Reference	e Title		Facility R	eference Nu	mber F	Reference Section	्रम् अस् स्ट्रीस्ट्र		二、白髓色的。 近	tankisteriyi Karalar
		Require	Reference ments Manua	<b>a Title</b>		Facility R		mber F	Reference Section PDMS 3.3.h	्रम् अस् स्ट्रीस्ट्र	No. Revi	sion L.O.I	tankisteriyi Karalar
		Require	Reference	<b>a Title</b>		Facility R	eference Nu	mber f	Reférence Sectio	on Page   <u>h-5</u>	No. Revi	sion L.O.I	lumber
	ech R	Require	Reference	• Title		Facility R	eference Nu	mber f	Reference Section PDMS 3.3.h	on Page   <u>h-5</u>	No. Revi	sion L.O.I	lumber
	ech R	Require	Reference ments Manua	• Title		Facility R	eference Nu	mber f	Reférence Sectio	on Page   <u>h-5</u>	No. Revi	sion L.O.I	lumber
	ech R	Require	Reference ments Manua	• Title		Facility R RM	eference Nu	mber i i i i i i i i i i i i i i i i i i i	Reférence Sectio	00. 32 Page   h-5	No. Revi	Sion L.O. I	lumber
	ech R lateria uestic	Require al Requ	Reference ments Manua	• Title		Facility R RM	eference Nu	mber i i i i i i i i i i i i i i i i i i i	Reférence Sectio	00. 32 Page   h-5	No. Revi	sion L.O.I	lumber
	ech R lateria uestic	Require al Requ	Reference ments Manua ulred for Exa	• Title		Facility R RM	eference Nu	mber i i i i i i i i i i i i i i i i i i i	Reférence Sectio	00. 32 Page   h-5	No. Revi	sion L.O. I	lumber
	ech R ateria uestic	Require al Requ	Reference ments Manua ulred for Exa arce: New	2 Title	Que	Facility R RM	eference Nui	mber [	Reference Section	n Page h-5	No Revi	sion L.O.I	
	ech R ateria uestic	Require N Requ on Sou on Sou	Reference ments Manua ulred for Exa arce: New	2 Title	Que	Facility R RM	eference Nui	mber [	Reférence Sectio	n Page h-5	No. Review	sion L.O. I	
	ech R ateria uestic	Require N Requ on Sou on Sou	Reference ments Manua ulred for Exa arce: New	2 Title	Que	Facility R RM	eference Nui	mber [	Reference Section	n Page h-5	No. Revi 16 16 During Trai Review	sion L.O. I	
	ech R ateria uestic	Require N Requ on Sou on Sou	Reference ments Manua ulred for Exa arce: New	2 Title	Que	Facility R RM	eference Nui	mber [	Reference Section	n Page h-5	No. Review	sion L.O. I	

		stion Topic	89 (			r (ITM) Syste					· · · · · · · · · · · · · · · · · · ·			
										ling 690°F and				
	Whick increa	h of the foll ase. (Assur	owing des	scribes the ex e cooling is p	<pre>cted re resent)</pre>	esponse of the	e CETCs as ti	ne Reactor	Coolant S	ystem and cor	e exit temper	atures cont	linue to	
Š	1 The C	CETC's will	indicate	-										
		<b></b>				****			taan yaan ka	ىم تەخەرىلىدىيە ھەتچەرىيە	a Anna an			
n da de la composición br>Composición de la composición de la comp	a.	lower thar	actual te	mperature at	bove 700°	F, and will sto				tures exceed			1	
s Weiter :	<b>b.</b> ]	accurately	/ up to 18(	00°F, and car	n be used	for frending r	urnoses un f	0.2300°E	inder States and States and States	antical the Us	alikationije integrationi Statistication (Statistication) Maria (Statistication)	n-mefrikki chekalist Contactor	ante contrativitationales.	
ر ایا روانیم محمد د. ۱۹۰۰ ور جامع عومه دهنه	· · · · · · · · · · · · · · · · · · ·				**************************************			il an eine state	and and the second	والرجاري والمراجع والتجاري والمتعاد والمعن	ante de actuer	ราวรู้ มหาครามส่ว	der en entretter beiden er	× 11
in an the c	<b>c.</b>	higher tha	n actual te	emperature a	bove 700	°F, and canno	ot be relied up	on for acc	urate indic	ation above 12	00°F.	vrovi svri pla	s mississississississi	
	d.					letely above								
				, and win		netely above	1800°H. (181	ATEN 李瑞登出		· .	- 4	- Yewla	fred white option	(8)  -
	Answe	b b	Exam Le	vel R	Cogni	tive Level	Application	F	acility:	Iraidwood	Examl	Date:	7/19	02
	KA:	017000K10	)2	K1.02	ROV	alue: 3.3	SRO Value	3.5	Section:	SYS	O/Group:		O.Group:	
a na	System	n/Evolutior	Title	In-Core Tem	perature	Monitor Syste		· ·						 
n v Altra	KA Sta	itement:	,					relationsh		n In-Core Tem			017	
	i Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi Salifi		following:					N. 19 1	· · · · · · · · · · · · · · · · · · ·	to a second state of the	area wat is establish	and the second	n and the	
A SALT	Explan	minuter and the second s	and the second second	and the second second second second					eligia, carrigad Aliante de la companya de la company Aliante de la companya	1998 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 -	، راي والمالية في محمد والمارية . المحمد المحمد المحمد والمارية :	19 11 11 11 11 11 11 11 11 11 11 11 11 1		
v Politika National States National States	Answer	<u>.                                    </u>							n an	with reduced	a ta fair borgs an ang	1. 1. 1. 1.		
	inter a	R States	びは役割におした	∂kreissaken. Title	C. Printer	自然的问题。在国	这些人对你的正	all stream and a stream	Section 2	Ser Sections	19 (Part 19 19 19 19 19 19 19 19 19 19 19 19 19	1.2.2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	HIAGAN AND AND AND AND	
Į				/stem LP		I1-IT-XL-01				e Section		Revision		
											8	1	5	
								<u> </u>			[]]		[]	
Ļ	Materia	I Required	for Evon					I			l	[	[ <u></u>	
-														
	Questio	in Source:		ty Exam Ban		uestion Mod	ification Met	hod:	Significantly	/ Modified	Used Durin	g Training	Program	
														1
	Questio	on Source (	Comment	2										
	Questio Comme					en de Regeler des					[F	Reviews Co	omplete	
					- 94							Reviews Co Peer	omplete	
										Store Contractor			_	
												'eer	_	

The\_

	RO SkyScraper SRO Skyscraper KRO System/Evolution List SRO System/Evolution List Outline Changes Obum 28	
	Question Topic Containment Cooling System (CCS)	_
	The following conditions exist on Unit 2:	
	<ul> <li>The reactor is at 100% power, steady state</li> <li>2A and 2C RCFCs are running in high speed</li> <li>2B and 2D RCFCs are in standby</li> <li>A reactor trip and Safety Injection occur due to a large break RCS LOCA.</li> <li>Which of the following describes the low speed start response of the RCFCs after the SI signal is received?</li> </ul>	
	All four RCFCs start 20 seconds after the SI signal	
	2A and 2C RCFCs start 20 seconds after the SI signal, 2B and 2D RCFCs start immediately	
	All four RCFCs start immediately after the SI signal	
	a 2A and 2C RCFCs start immediately after the SI signal, 2B and 2D RCFCs start 20 seconds later	
	Answer a Exam Level B Cognitive Level Application Facility: Braidwood ExamDate: 7/19/02	
	KA:         022000A401         A4.01         RO Value:         3.6         SRO Value:         3.6         Section:         SYS         RO Group:         1         SRO Group:         1	
	System/Evolution Title Containment Cooling System	
	KA Statement: Ability to manually operate and/or monitor in the control room:	••
	Explanation of Answers:       Fans already running in slow speed will remain running - none are in this example. All high speed breakers trip (2A & 2C). After a 20         Answers:       second time delay, slow speed breakers close on non-running fans. (A) correct response.	
1	Reference Title	
$\sim$	Bwd Big Notes         Containment Cooling         VP-3         5         1	
		•••
	Material Required for Examination	
	Question Source: Facility Exam Bank Question Modification Method: Significantly Modified Used During Training Program	
	Question Source Comments	
	Comment Type Comment Reviews Complete	
	Peer Supervisory	
1	Supervisory Eacility	
_		

	The f	tion Topic	·····	exist on Unit	ling Syster	m (CCS)							· · · · · · · · · · · · · · · · · · ·	
	- A - Th - Co 1 - RO - An - RO	small RCS ne crew is p ontainment CFC 1C low nnunciator 1 CFC 1C is in	LOCA ha performing pressure speed br 1-3-E5, "R n LOCAL	s occurred 1BwOA PF is 2.9 psig a reaker auto CFC LOCA control at th	RI-1, "Exce and increas SI closure L CONT", he RSDP a	relay failed and is LIT. Ind running in H	d was declared	d inopera				۰		
talog ::	Which psig? a.					peration of the trip, the low sp								
na analan Marata 1928 Bilini Marata	Б.	1				tically trip, the lo		en e	et en brendes brender.	1			the pass of the	
onsas	č.	I				trip, the low sp					and a second second	a generation		
	d. Answe	]	peed brea			tically trip, the lo							er is trippe	ed.
1.				<u></u>			Application		acility: Br	aidwood	Exam	Date:		7/19/02
and a second		022000G43	ł	2.4.31 Containmei			SRO Value:	3.4	Section:	SYS R	O Group:	<u>1</u> S	RO Grou	<b>a:</b> 1
. DE 197	KA Stat	tement:				54-3A	an the second							
	-		nowledg	e of annunc	iators alar	ms and indicati	ons, and use o	of the res	ponse instr	uctions.		1	an an Anna An Anna Anna Anna Anna Anna A	ilense de la Compañía
	Explan: Answer	ation of rs:	RCFC'LO Inaffected nconect - rip, 1PM0	CAL CONT I by the Loc high speed 6J low spee	indicates al/remote breaker w d operatio	ms and indicati that the high sp switch. (C) is co ill trip on the Si in is available.	ons, and use o eed breaker fo prect. (A) Inco , (110000 Jow	of the res or the RC prrect - lo speed o	ponse instr FC is in loc w speed op peration is a	al control. Los eration is not rvailable: (D)	w speed brea available at t mconect - f	iker oper he RSDF ligh spee	ation is P (B) d breaker	87941 201 97 30 30 97 30 30 97 30 30 97 30 30 97 30 50 10 br>10 50 10 10 10 10 10 10 10 10 10 10 10 10 10
	Answer	ation of rs:	RCFC LO Inaffected ricorrect - rip, 1PM0	CAL CONT I by the Loc high speed 6J low spee Title	indicates al/remote breaker w d operatio	ms and indication that the high sp switch. (C) is co- the spont of the Si in is available. Facility Re	ons, and use of eed breaker fo priect (A) Inco , 11 M003 Iow of the second second second second second second second second second second second second second second second br>second second br>second second br>second second seco	of the res or the RC prrect - lo speed o	ponse instr FC is in loc w speed op peration is a	al control. Los eration is not vailable: (D)	w speed brea available at t mconect - t	ker oper he RSDF ligh spec	ation is ' (B)	87941 201 97 30 30 97 30 30 97 30 30 97 30 30 97 30 50 10 br>10 50 10 10 10 10 10 10 10 10 10 10 10 10 10
	Answer	ation of frs:	RCFC LO Inaffected ricorrect - rip, 1PM0	CAL CONT I by the Loc high speed 6J low spee Title	indicates al/remote breaker w d operatio	ms and indicati that the high sp switch. (C) is co ill trip on the Si in is available.	ons, and use of eed breaker fo priect (A) Inco , 11 M003 Iow of the second second second second second second second second second second second second second second second br>second second br>second second br>second second seco	of the res or the RC prrect - lo speed o	Ponse instr FC is in loc w speed op peration is a Reference	al control. Lov eration is not valiable. (D) Section	w speed brea available at t mconect - f	iker oper he RSDF ligh spee	ation is P (B) d breaker	87941 201 97 30 30 97 30 30 97 30 30 97 30 30 97 30 50 10 br>10 50 10 10 10 10 10 10 10 10 10 10 10 10 10
	Answer	ation of frs:	RCFC LO Inaffected ricorrect - rip, 1PM0	CAL CONT I by the Loc high speed 6J low spee Title	Indicates al/remote breaker w operatio	ms and indication that the high sp switch. (C) is co- the spont of the Si in is available. Facility Re	ons, and use of eed breaker fo priect (A) Inco , 11 M003 Iow of the second second second second second second second second second second second second second second second br>second second br>second second br>second second seco	of the res or the RC prrect - lo speed o	Ponse instr FC is in loc w speed op peration is a Reference NOTE	al control. Lov aration is not valiable. (D) Section	w speed brea available at t mconect - f	ker oper he RSDF ligh spec	ation is P (B) d breaker	NY AN AN
	Answer	ation of frs:	RCFC'LO unaffected riconect- rip, 1PM0 aference onse proce	CAL CONT I by the Loc high speed 6J low spee Title ser	Indicates al/remote breaker w operatio	ms and indication that the high sp switch. (C) is co- the spont of the Si in is available. Facility Re	ons, and use of eed breaker fo priect (A) Inco , 11 M003 Iow of the second second second second second second second second second second second second second second second br>second second br>second second br>second second seco	of the res or the RC prrect - lo speed o	Ponse instr FC is in loc w speed op peration is a Reference NOTE	al control. Lov aration is not valiable. (D) Section	w speed brea available at t mconect - f	ker oper he RSDF ligh spec	ation is P (B) d breaker	NY AN AN
	Answer	ation of rs: <u>t</u> t t rs: <u>t</u> t rs: t t r Re t t r Re t t t	RCFC'LO unaffected riconect- rip, 1PM0 aference onse proce	CAL CONT I by the Loc high speed 6J low spee Title ser	Indicates al/remote breaker m d operatio	ms and indication that the high sp switch. (C) is co- the spont of the Si in is available. Facility Re	ons, and use of eed breaker fo priect (A) Inco (11 Mood low aference Num	of the res or the RC speed of speed of	Ponse instr FC is in loc w speed op peration is a Reference NOTE	al control. Lov aration is not valiable. (D) Section	w speed brea available at t mconect - f	ker oper he RSDF ligh spee Revisi	ation is (B) of Direaker on EON	VUU
	Answer Annunci Material Questio	ation of rs:	RCFC'LO unaffected rip, 1PM0 ofference onse proce for Exam	CAL CONT I by the Loc high speed 6J low speed Title edures	Indicates al/remote breaker m d operatio	ms and indicati that the high sp switch. (C) is co ill trip on the Si in is available. Facility Re BwAR 1-3-E5	ons, and use of eed breaker fo priect (A) Inco (11 Mood low aference Num	of the res or the RC speed of speed of	Ponse instr FC is in loc w speed op peration is a Reference NOTE	al control. Lov aration is not valiable. (D) Section	v speed brea available at t incorrect - 1 Page No.	ker oper he RSDF ligh spee Revisi	ation is (B) of Direaker on EON	VUU
	Answer Annunci Material Questio	ation of rs:	RCFC'LO unaffected rip, 1PM0 ofference onse proce for Exam	CAL CONT I by the Loc high speed 6J low speed Title edures	Indicates al/remote breaker m d operatio	ms and indicati that the high sp switch. (C) is co ill trip on the Si in is available. Facility Re BwAR 1-3-E5	ons, and use of eed breaker fo rrect (A) Inco (111000 Iow aference Num	of the res or the RC speed of speed of	Ponse instr FC is in loc w speed op peration is a Reference NOTE	al control. Lov aration is not valiable. (D) Section	v speed brea available at t hictinect - 1 Page No. 1 1 Used Durin	iker oper he RSDF ign spee Revisi 5	ation is (B) (C) (C) (C) (C) (C) (C) (C) (C	
	Answer Annunci Material Questio	ation of rs:	RCFC'LO inaffected rip, 1PM0 ofference onse proce for Exam	CAL CONT I by the Loc high speed 6J low speed Title edures	Indicates al/remote breaker m d operatio	ms and indication that the high sponsormal sectors of the high sponsormal sectors of the sectors	ons, and use of eed breaker fo rrect (A) Inco (111000 Iow aference Num	of the res or the RC speed of speed of	Ponse instr FC is in loc w speed op peration is a Reference NOTE	al control. Lov aration is not valiable. (D) Section	v speed brea available at t hictinect - 1 Page No. 1 1 Used Durin	Aker oper he RSDF light spee g Revision 5 	ation is (B) (C) (C) (C) (C) (C) (C) (C) (C	

-		SkyScraper	SRO Skyscraper	ROS	vstem/Evolution List	SRO System/	Evolution List Ou	utline Changes		Quen	262
		stion Topic	Containment Spr		***************************************		······				
	Whic	ch of the follow	wing valves is inter	ocked wit	n OPENING of the 1A	CS Pump Sump	Suction Isolation Va	alve, 1CS009A?			
_1											
							· · · · · · · · · · · · · · · · · · ·				
	a.	1SI8809A	RHR Cold Leg Inje	ction Isola	tion Valve			a da serie de la serie de En la serie de l			1
	b.	1SI8811A	1A Containment Si	ump Isolai	ion Valve		<u>a da se na da seu adres.</u> Maria		te bainstant		64999
			·····					en de la servició de	en u della Versione	in the second	 
	c.	1CS007A	1A CS Pump Disch	arge Isola	tion Valve			******			
	d.	1CS001A *	1A CS Pump RWS	Γ Suction	solation Valve		******				
	Answe	 	xam Level B		itive Level Memor						
1-		026000K101					acility: Braidwood		Date:		19/02
	1.	n/Evolution T				Value: 4.2	Section: SYS	RO Group:	2 <b>S</b>	RO Group:	1
	KA Sta	tement: Kr			nections and/or cause-	effect relationsh	ins between Contain	mont Course		026	
Г											
	answe	ation of Int rs: are	erlocks for opening e not in interlock cir	1CS009/ cuitry and	are: 1SI8811A Open, are incorrect	1RH8701A Clo	sed, CS to Open. (B	) is only correct a	inswer. (A,	C,D) valves	
ſ	- 1-44	Refe	erence Title		Exallia D. A	1					
10	CS LP				Facility Referen	ce Number	Reference Section			n L.O. Num	
	3wd Bi	g Notes			Containment Spray		CS-1	16	2	S.CS1-08	
-									<u> </u> 		
			or Examination								
6	luestic	on Source:	Facility Exam Ba	nk [	Question Modification	n Method:	Editorially Modified	Used Duri	ng Trainin	g Program	
	luestio	n Source Co	omments	****							
							*****				
	omme	nt Type C	omment	1 100		er deren an er	Talland area in the	en e	Reviews (	Complete	
			*****						Peer		
									Superviso Facility		
											Vitabilitation
					*******						]

• • •

	Q	lue	stio	n Top	ic   [	Conta	ainme	ent Sr	pray	Syste	em (C	CCS																		
		he	folic	wing											·····		*****							· · · · · · · · · · · · · · · · · · ·						
$\sim$		- A - A - Fi - Ti - Ti	rea II E ive rain rain	ctor tr CCS e (5) mir B of ( A of (	ip and quipn tutes S sta S did	l safe nent f after rted NOT	ety inj functio the S as de F auto	ection oned I was esigne o start	n hav norn s rece ed t and	/e oc nally eived   coul	upon , Cor d NC	n rece ntainn )T be	ipt of nent S manu	the S Spray Jally :	SI sign: (CS) started	al actuat I from	LOCA ion se the Co	tpoin ontrol	Roor	n										
	<u>    ~</u>	Vhic	h o	the fo	llowir	ig an	nunci	ators	s, if re	eceiv	ed JL	JST F	PRIOF	R to re	eachin	g the	CS act	tuatio	n set	poin	t, woi	uld re	sult ir	the a	above	e statu	s for (	S?		
÷		a.	1	21-A4	BU	S 13	3X/1:	33Y F	D BF	RKR	TRIP	,	·	40-54	(na kiri) (na kiri)	- 1-12-5-2	<del>ande sin</del> Stational	<del>ca at</del> Gift S	a <del>niasia</del> Utereta	ing Say	airean airean	<u>1. (* 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. </u>	and a second	*ésser:	يو : در بوالي . :	aren e Alfae	्र स्टब्र्ड् जनस्वर्थ	ang sa	esekere ficioj Gana a conte	_
Tilling Mapping		<b>b</b> .	1	22-A4	BU	S 13	AX11:		n ec		TDID		****		milinia			dadine.	and at a		e state e tea						مين ويتريم مين مريد المريم مين مريد المريم مين	alaran yang Manangkangkangkang Manangkangkangkangkangkang	Station Station	
in de la servici de protection notation de protection de protection notation de la servici de la notation de la servici de la			1				A	Lang March 1							<u></u>		Section Corner	ANS 1.216	A standard	ed grang	وسيلجد فأتصبو	Service and	an a	essi antere	زيديد والمرار	es. Antibati	South States	142E(S)) 142E(S))	alitiktikaali	
- 初始的有限		Ċ.	1-	21- <u>A1</u>	0, BU	S 13		) BRI	KR T	RIP		et et	-34 X 3	<b>a</b> 334		<u>ki k</u> aj	310) <i>6</i> 8		The State		S.S.	1245	ğaştı	de la dej		independent of the	A State		te gan	1 - 36
i supri inte		d.	1-	22-A1	D BU	S 132	2X FE	BR	KR T	RIP	101	6 84	he hij		( <b>3</b> .)	e in	ru:			**	***				in de	Rigtine	R.	bot	······	<u>_</u>
	An	swe	er]	c	Ex	am L	evel	В		Co	gniti	ve Le	vel	Ap	plicati	on		Facil	ity:	Bra	idwo	od		Ex	aṁD	ate:	<b></b>		7/19/02	
й - т	KA			000K		·····	K2.0	)2		R	) Val	lue:	2.7	*] S	RO V:	ilue:	2.9	] <b>S</b> i	oction	r:	SYS		RO	Group	50 <b>[</b>	2	SRO	Group	1	न दिल्ल
				voluti	on Tit	le	Con	ntainm	nent	Spra	y Sys	stem		· · ·	·	Sec. 35	724244	A.	- sitio	e şar	1.6 <b>6</b> 1			- ` <u>,</u>					26 (shi)k	1
e e e e e e e e e e e e e e e e e e e	KA	Sta	iten	nent:	Kno MO		ge of	bus p	oowe	r sup	plies	to th	e follo	owing			et.Váste						<u>5</u>				· · · · · · · · · · · ·	1.94 Be	1.1461.113	Ī
ngelaate oo g Wedegaare oo	Exp	olar	atio	on of	Inter	locks	s - to	auto	start	1CS	019 n	nust	auto c	pen.	Powe	r supp	ilv is 1	31X1	, For	120	o ho		ually s	tarter	1.10	SOOZA	must	be clo	<u>. di li</u>	1
	Ans				1	nect	- uan	101	3. (A	80) 1			10.10	1001	1A mu	siner	onen n	ut we	e are i	not ii	n reci	rc ye	t (Ċ)	is onl	y cor	rect ar	swer.	(D) in	ecc. Midogge	
					Refer					97. (43) (11)			cility	Refe	erence	Num	ber (	R	eferer	nce	d Secti	on		age N	103.200 <b>10</b>	Revis	ion	0 Ni	umber	
~_1				Plan		20003) 	61297C		S 19 4	¥		1-XL	-CS-0	1		a teringa		] []			.3553			2-15		2		S.CS1-	6	
,	Bwo	d Bi	g N	otes								Conta	inme	nt Sp	ray				S-1							5				
·											]								- 17 - 14 - 14 - 14				_  _							
-				əquire				lon					-																	+
			22.	iourc		New				**********	Qu	estio	on Mo	dific	ation	Vetho	d:	[						ed D	uring	g Trair	ning P	rogran	n 🗌	
	Que	estic	on S	iource	Con	omer	its						-			*****												,		
	Con	nme	ent '	Гуре	Co	nme	nt				14														R	eview	s Con	nplete		
		***								****																eer [[		ipiete		
																										upervi				
					I		****************											·····								acility	L	]		
					H.A.			01-0							Haidenstaine			<u></u>	in a serve		<u>National</u>		ini na	ustur (usta		RC				
																													80	

11	2007 00, 15 0	ant conditions, opening ccomplished in the Ma (2) scale		A Hydrogen m from	Monitoring outside (1), and inc	suction and discharged lication of containme	ge isloation valves nt hydrogen conc	s, 1PS228A/I entration will	B - I normally be
	(1)				(2)				
-1						,	***************************************		
		an shekara a sa							
a.	1PM11J	Unit 1 Containment Iso	lation Panel		HI, BEADERAD	. Partis Garaceae a ca	ab)	4	
b.	0PM02J	Unit Common Ventillat	tion Panel	Cast Port Star	5 LO 30.414		an a	net densemme e Vizi Alfondiska nas	n it minute Africanisti Alite - Alitzer and a
				ana da ana ing kangkaran ang sa ng	- Carlos - Sale Land - Sale Carlos	AND AN AN AND AND AND AND AND AND AND AN	B. Cherry A. P. St. St. St. St. St. St. St. St. St. St		an a
C		Unit Common Ventillat	ion Panel		<b>时,通过</b> 新日本	ang pasa sa di	中国的这些一个	n Northern	04343932244
d.	1PM11J_U	Jnit 1 Containment Iso	lation Panel		LO		Conta	hit with with	No.
Answ	ver d	Exam Level B	Cognitive L	evel Mer		acility: Braidwood			
KA:	028000A40		RO Value:						7/19/0:
	1	<u> </u>	nu value,					3 SRO	Group:
	m/Evolution	Title Hydrogen R			C Value: 3.3	Section: SYS	RO Group:		
	m/Evolution		ecombiner and	Purge Contr	ol System	Witten frank and an			028
	tatement:	Ability to manually ope	ecombiner and rate and/or mor	Purge Contr nitor in the co	ol System	nin anala anala			028
KA St	iatement:	Ability to manually ope ocation and operation D) Correct - Controls a	ecombiner and rate and/or mor of hydrogen sa	Purge Contr nitor in the co ampling and for 1PS228	ol System	ment atmosphere, in	icluding alarms ar	id indication	028 s
KA Sta Explai Answe	nation of crs.	Ability to manually ope ocation and operation D) Correct - Controls a IPM11J. PS343 and P IPM02J (A) Incorrect	ecombiner and rate and/or mor of hydrogen sa and indications S344 are normally selec	Purge Contr nitor in the co ampling and for 1PS228, ally selected ted to LC rat	ol System ontrol room: analysis of contair 229, and 230A&B to indicate on the nge	ment atmosphere, in valves are all located LO range (B&C) Incc	icluding alarms ar d,on the Containm prrect - controls ar	id indications ent Isolation e not located	028 s Panel;
KA Sta Explai Answe	tatement:	Ability to manually ope ocation and operation D) Correct - Controls a IPM11J, PS343 and P IPM023 (A) Incorrect	ecombiner and rate and/or mor of hydrogen sa and indications S344 are norma normally selec	Purge Contr nitor in the co ampling and for 1PS228, ally selected ted to LO ra	ol System ontrol room: analysis of contair 229, and 230A&B to indicate on the nge	ment atmosphere, in valves are all located LO range (B&C) Inco	icluding alarms ar don the Containm prrect - controls ar	id indication	028 s Panel; d on
KA St.	atement:	Ability to manually ope ocation and operation D) Correct - Controls a IPM11J. PS343 and P IPM02J (A) Incorrect	ecombiner and rate and/or mor of hydrogen sa and indications S344 are norma normally selec	Purge Contr nitor in the cc ampling and for 1PS228, ally selected ted to LO ra actility Refer	ol System ontrol room: analysis of contair 229, and 230A&B to indicate on the nge	ment atmosphere, in valves are all located LO range (B&C) Incc	icluding alarms ar d on the Containm prrect - controls ar Page No	ent Isolation e not located	028 s Panel; d on
KA St.	atement:	Ability to manually ope ocation and operation D) Correct - Controls a IPM11J, PS343 and P IPM02J (A) Incorrect Ofference Title	ecombiner and rate and/or mor of hydrogen sa and indications S344 are norma normally selec	Purge Contr nitor in the cc ampling and for 1PS228, ally selected ted to LO ra actility Refer	ol System ontrol room: analysis of contair 229, and 230A&B to indicate on the inge	ment atmosphere, in valves are all located LO range (B&C) Inco Reference Section	cluding alarms ar don the Containm prrect - controls ar <b>Page No:</b>	id indication	028 s Panel; d on
KA St.	atement:	Ability to manually ope ocation and operation D) Correct - Controls a IPM11J, PS343 and P IPM02J (A) Incorrect Ofference Title	ecombiner and rate and/or mor of hydrogen sa and indications S344 are norma normally selec	Purge Contr nitor in the cc ampling and for 1PS228, ally selected ted to LO ra actility Refer	ol System ontrol room: analysis of contair 229, and 230A&B to indicate on the inge	ment atmosphere, in valves are all located LO range (B&C) Inco Reference Section	icluding alarms ar d on the Containm prrect - controls ar Page No	ent Isolation e not located	028 s Panel; d on
KA St. Explai Answe	atement:	Ability to manually ope ocation and operation D) Correct - Controls a IPM11J, PS343 and P IPM02J (A) Incorrect Ofference Title	ecombiner and rate and/or mor of hydrogen sa and indications S344 are norma normally selec	Purge Contr nitor in the cc ampling and for 1PS228, ally selected ted to LO ra actility Refer	ol System ontrol room: analysis of contair 229, and 230A&B to indicate on the inge	ment atmosphere, in valves are all located LO range (B&C) Inco Reference Section	icluding alarms ar d on the Containm prrect - controls ar Page No	ent Isolation e not located	028 s Panel; d on
KA Sta Explan Answe Norma Materia	atement:	Ability to manually ope 	ecombiner and rate and/or mor of hydrogen sa and indications S344 are normally selec monnally selec BwO	Purge Contr nitor in the co ampling and for 1PS228, ally selected ted to LO ta actility Refer	ol System ontrol room: analysis of contair 229, and 230A&B to indicate on the inge	ment atmosphere, in valves are all located LO range (B&C) Inco Reference Section	ncluding alarms ar d on the Containm prrect - controls ar Page No. 2	Revision	028 S Panel; d on LO Number
KA Sta Explar Answer Norma Materia Questi	atement:	Ability to manually ope ocation and operation D) Correct - Controls a IPM11J, PS343 and P IPM02J (A) Incorrect Proceeding to the Proceeding to the Proceeding to the Proceeding to the for Examination	ecombiner and rate and/or mor of hydrogen sa and indications S344 are normally selec monnally selec BwO	Purge Contr nitor in the co ampling and for 1PS228, ally selected ted to LO ta actility Refer	ol System ontrol room: analysis of contair 229, and 230A&B to indicate on the inge	ment atmosphere, in valves are all located LO range (B&C) Inco Reference Section	icluding alarms ar d on the Containm prrect - controls ar Page No	Revision	028 S Panel; d on LO Number
KA Sta Explar Answer Norma Materia Questi	atement:	Ability to manually ope ocation and operation D) Correct - Controls a IPM11J, PS343 and P IPM02J (A) Incorrect Proceeding to the Proceeding to the Proceeding to the Proceeding to the for Examination	ecombiner and rate and/or mor of hydrogen sa and indications S344 are normally selec monnally selec BwO	Purge Contr nitor in the co ampling and for 1PS228, ally selected ted to LO ta actility Refer	ol System ontrol room: analysis of contair 229, and 230A&B to indicate on the inge	ment atmosphere, in valves are all located LO range (B&C) Inco Reference Section	ncluding alarms ar d on the Containm prrect - controls ar Page No. 2	Revision	028 S Panel; d on LO Number
KA Sta Explar Answe Norma Materia Questi	atement:	Ability to manually ope ocation and operation D) Correct - Controls a IPM11J, PS343 and P PM02J (A) Incorrect PM02J (A) Incorrect Procedures for Examination	ecombiner and rate and/or mor of hydrogen sa and indications S344 are normally selec F BwO	Purge Contr nitor in the cc ampling and for 1PS228, ally selected ted to LO rai acility Refer IP PS-9	ol System ontrol room: analysis of contair 229, and 230A&B to indicate on the nyc rence Number tion Method:	ment atmosphere, in valves are all located LO range (B&C) Inco Reference Section	acluding alarms ar d on the Containm prrect - controls ar Page No 2 2 3 4 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Revision	028       s       Panel;       con       L.O. Number       Program
KA Sta Explar Answe Norma Materia Questi	atement:	Ability to manually ope ocation and operation D) Correct - Controls a IPM11J, PS343 and P IPM02J (A) Incorrect Proceeding to the Proceeding to the Proceeding to the Proceeding to the for Examination	ecombiner and rate and/or mor of hydrogen sa and indications S344 are normally selec F BwO	Purge Contr nitor in the cc ampling and for 1PS228, ally selected ted to LO rai acility Refer IP PS-9	ol System ontrol room: analysis of contair 229, and 230A&B to indicate on the nyc rence Number tion Method:	ment atmosphere, in valves are all located LO range (B&C) Inco Reference Section	Acluding alarms ar don the Containm prrect - controls ar Page No.	nd indications ent Isolation e not located Revision 8E2	028       s       Panel;       con       L.O. Number       Program
KA Sta Explar Answe Norma Materia Questi	atement:	Ability to manually ope ocation and operation D) Correct - Controls a IPM11J, PS343 and P PM02J (A) Incorrect PM02J (A) Incorrect Procedures for Examination	ecombiner and rate and/or mor of hydrogen sa and indications S344 are normally selec F BwO	Purge Contr nitor in the cc ampling and for 1PS228, ally selected ted to LO rai acility Refer IP PS-9	ol System ontrol room: analysis of contair 229, and 230A&B to indicate on the nyc rence Number tion Method:	ment atmosphere, in valves are all located LO range (B&C) Inco Reference Section	don the Containm prect - controls ar Page No. 2 Used Durin	Ind indications ent Isolation e not located Revision 8E2 Ing Training Reviews Co	028 S Panel; on C Number C Program mplete

	T	kyScraper ion Topic		scraper.		Evolution List	SRO System	/Evolution Lis	t Outline	Changes		()ta m	289
	The fol	llowing co	onditions exis	t on Unit 1:		****		****					]
a second	- Rea   - Cor   Co   - Dur	actor is at ntainment intainmen	100%, steac purge is in p t Release Fo lease, Healtl	ly state power rogress and is rm"	s being per	formed under B E-PR001 be plac							
	Which comply	of the follo with the i	owing action requirements	s must be take of BwRP 611	en prior to 0-13T1 an	olacing 1RE-PR d RETS 2.2-1a	001 in purge to						
	a. [	Suspend	the containm	ent release of	radioactiv	e effluents via th	nis pathway	1	and an and a second and a secon	na sjæterner n Nations	n o ngagan kun gang Sanangangan kun gang	na de la composición Na descara de la composición Na composición de la composición	
	b. (	Obtain co	ntinuous san	ples of this pa	athway wit	h auxiliary samp	ling equipment	· · · · · · · · · · · · · · · · · · ·	far e cara feiteara S		a in a copra		
	<b>c.</b> F	Restore th	ne monitor to	operable statu	us before t	he next 30 hour	sample is requi	ired					
	<u> </u>	27 <b>}</b>		5-1	R011 is ope	erable and conti	nue the release	· · ·					
•	Answer	a	Exam Leve	BC	ognitive l	.evel Comp	rehension	acility: B	raidwood	Exam	Date:	7/19	9/02
		29000A20		.04	RO Value	2.5* SRO	Value: 3.2*	Section:	SYS R	O Group:	2 SR	O Group:	2
	System/	Evolution	n Title Co	ontainment Pu	rge Syster	n						029	
4.1.5 115 	KA State		hioceanies (	o conect, com	uoi, or mitt	e following on th gate the conseq ent atmosphere	e Containment uences of those	Purge Syste e abnormal c	m and (b) base peration:	ed on those	oredictions	, use	
	Explanat Answers	tion of	isolating 1RE this pathway	-PR001 rende	ers the not (A) Correc	le gas activity m t. (B) incorrect	- this is an allow	ahle ontion	only for the ied	ino and now	invitation from	f purging via actions of	
$\sim$			eference Tit	· · · ·		acility Referen				····			
	ODCM R			nt monitoring		S 2.2-1a	ice Number	Reference	e Section	Page No.		L.O. Numb	er
		nent Relea				P 6110-13T1		] ]B	I	18-20 8	5	 	
									l I		<u> </u>	]	
	Material I	Required	for Examin	ation								I [	
	Question	Source:	New		Quest	ion Modificatio	n Method:		1	Used Durin	ig Training	Program	
	Question	Source (	Comments	similar to rec	cent Bwd L	ER event	р 						
	Commen	t Type	Comment.			6 <b>1</b>					Reviews Co rear iupervisor acility IRC	omplete	
													a1

Answer:       Answer:       Application       Facility       Brackword       Examples       7/19/0         KA:       029000G449       Cognitive Level       Application       Facility       Braidwood       Examples       7/19/0         KA:       029000G449       Cognitive Level       Application       Facility       Braidwood       Examples       7/19/0         KA:       029000G449       Containment Purge System       029       2       SRO Group:	E       Closure of 1VQ005B, Mini-Flow Purge Exhaust Outside Crimt Isolation Valve         Manual actuation of deluge in the Post LOCA Purge Filter Unit.         High alarm on the Crimt Purge rad monitor, 1RE-PR001         Answer       a         Exam Level       R         Cognitive Level       Application         Facility:       Braidwood         ExamDate:       7         KA       029000G449         2.4.49       RO Value         4.0       SECtion:         System/Evolution.Title       Containment Purge System         Controls:       022         RAS Statement:       Ability to perform without reference to procedures those actions that require immediate operation of system components and incorrect - VQ005A is interlocked with BOTH the mini-flow purge exhaust fam and the post LOCA purge exhaust fam. (B) row incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fam. (C) Incorrect - this action will auto close VQ003 which is borned monitor in will auto close VQ003 which is borned monitor in will auto close VQ003 which is borned monitor in will auto close VQ003 which is borned monitor in will auto close VQ003 which is borned monitor in the Page No.         Reference Title       Facility: Reference Number       Reference Section         Material Required for Examination       1       5         Material Required for Examination       1       5
Explanation of   Average   Assertion of deluge in the Post LOCA Purge Filter Unit   High alarm on the Crimt Purge rad monitor, 1RE-PR001 Answer a Exam Toyet R Cognitive Level Application Facility Braidwood Examplate: 7/19/C KA: 029000C449 2.4.49 Ro Value: 4.0 SRO Value: 4.0 Section SYS RO Groups 2 SRO Groups 2 Sector System Koultion, Title Containment Purge system Controls Controls Reference Trill Material Required for Examination Cuestion Source: New Question Modification Method Sector Source: New Question Modification Method Sector Source Comments Comment Type Comment Reviews Complete Sector Source Comments	6.       Closure of 1VQ005B, Mini-Flow Purge Exhaust Outside Crimt Isolation Valve         6.       Closure of 1VQ005B, Mini-Flow Purge Exhaust Outside Crimt Isolation Valve         6.       Manual actuation of deluge in the Post LOCA Purge Filter Unit.         6.       High alarm on the Crimt Purge rad monitor, 1RE-PR001         Answer       a       ExamDate:       7         KA:       029000C449       2.4.49       RO Value:       4.0       Section:       SYS       RO Group:       2       SRO Group:       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       022       023       024       024       024       024       024       024       024       024       024       024       024       024       024       024       024<
B:       Closure of 1VQ005B, Mini-Flow Purge Exhaust Outside Crimt Isolation Valve       Addition of deluge in the Post LOCA Purge Filter Unit         Manual actuation of deluge in the Post LOCA Purge Filter Unit       Addition Valve       ExamDate:       Platestation         Answer:       a       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7/19/C         KA:       029000C449       Containment Purge System       A0       Skotiont       SYS       Ro Groups       2       SRO Groups       2	b.       Closure of 1VQ005B, Mini-Flow Purge Exhaust Outside Cnmt Isolation Valve         Manual actuation of deluge in the Post LOCA Purge Filter Unit       Manual actuation of deluge in the Post LOCA Purge Filter Unit         d.       High alarm on the Cnmt Purge rad monitor, 1RE-PR001         Answer       a       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7         KA.       029000G449       2.4.49       RO Value       4.0       Section:       SYS       RO Group:       2       SRO Gr
Manual actuation of deluge in the Post LOCA Purge Filter Unit       Additional actuation of deluge in the Post LOCA Purge Filter Unit       Additional actuation of deluge in the Post LOCA Purge Filter Unit         Manual actuation of deluge in the Post LOCA Purge Filter Unit       Answers       a Exam Level R Cognitive Level Application       Facility:       Braidwood       ExamDate       7/19/C         Answers       a Exam Level R Cognitive Level AD SRO Value:       4.0 SRO Value:       4.0 SRO Croupt:       SYStem/Evolution Title       Control:       SYStem/Evolution Title       System/Evolution Title <td>C       Manual actuation of deluge in the Post LOCA Purge Filter Unit         di       High alarm on the Cnmt Purge rad monitor, 1RE-PR001         Answer       a       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7         KA       029000G449       2.4.49       RO Value       4.0       SRO Value:       4.0       Section:       SYS       RO Group:       2       SRO Group:         System/Evolution. Title       Containment Purge System       025       O29       2       SRO Group:       025         System/Evolution. Title       Containment Purge System       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025</td>	C       Manual actuation of deluge in the Post LOCA Purge Filter Unit         di       High alarm on the Cnmt Purge rad monitor, 1RE-PR001         Answer       a       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7         KA       029000G449       2.4.49       RO Value       4.0       SRO Value:       4.0       Section:       SYS       RO Group:       2       SRO Group:         System/Evolution. Title       Containment Purge System       025       O29       2       SRO Group:       025         System/Evolution. Title       Containment Purge System       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025       025
High alarm on the Crimt Purge rad monitor, 1RE-PR001       Exam Level       R       Cognitive Level       Application       Facility:       Braidwood       Exam Date:       7/19/0         Kds:       029000G449       2.449       RO Value:       4.0       SRO Value:       4.0       Section:       SYS       RO Group:       2       SRO Group:       3       SRO Group:	del       High alarm on the Cnmt Purge rad monitor, 1RE-PR001         Answer       a       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7         KA:       02900006449       2.4.49       RO Value       4.0       SRO Value:       4.0       Section       SYS       RO Group:       2       SRO Group:       2       SRO Group:       025         System/Evolution Title       Containment Purge System       025       025       025       025         KA Statement:       Ability to perform without reference to procedures those actions that require immediate operation of system components and controls.       025         Explanation of       (A) Correct - VQ005A is interlocked with ONLY the miniflow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the miniflow purge exhaust fan and the post LOCA purge exhaust fan. (B) isolates and the post LOCA purge exhaust fan. (C) incorrect - this action will auto close VQ003 which isolates and the post LOCA purge exhaust fan. (C) incorrect - this not automatic actuations         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision LO. Num         Bwd Big Notes - Crimt Purge       VP-2       1       5       1       5       1       5       1       5       1       5       1       5
Answer:       a       Exem Level       R       Cognitive Level       Application       Facility:       Braidwood       ExamDate:       7/19/C         KA:       029000G449       2.4.49       RO Value:       4.0       SRO Value:       4.0       Section:       SYS       RO Group:       2       SRO Group:       029         System/Evolution Title       Containment Purge System       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029       029 <td>Answer       a       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7         KA:       029000G449       2.4.49       RO Value:       4.0       SRO Value:       4.0       Section:       SYS       RO Group:       2       SRO Group:         System/Evolution Title       Containment Purge System       029       029       029       029         KA:       Statement:       Ability to perform without reference to procedures those actions that require immediate operation of system components and controls.       029         KA:       Statement:       Ability to perform without reference to procedures those actions that require immediate operation of system components and incorrect - VQ005A is interlocked with BOTH: the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) Incorrect - this action will auto close VQ003 which isolates and trips the Post LOCA rung exhaust fan (D) incorrect fully reference Section       Page No.       Revision LO. Num         Bwd Big Notes - Crimt Purge       VP-2       1       5         Material Required for Examination       Image: Section Section       Page No.       Revision LO. Num         Output       Image: Section Section       Num       1       5</td>	Answer       a       Exam Level       R       Cognitive Level       Application       Facility       Braidwood       ExamDate:       7         KA:       029000G449       2.4.49       RO Value:       4.0       SRO Value:       4.0       Section:       SYS       RO Group:       2       SRO Group:         System/Evolution Title       Containment Purge System       029       029       029       029         KA:       Statement:       Ability to perform without reference to procedures those actions that require immediate operation of system components and controls.       029         KA:       Statement:       Ability to perform without reference to procedures those actions that require immediate operation of system components and incorrect - VQ005A is interlocked with BOTH: the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) Incorrect - this action will auto close VQ003 which isolates and trips the Post LOCA rung exhaust fan (D) incorrect fully reference Section       Page No.       Revision LO. Num         Bwd Big Notes - Crimt Purge       VP-2       1       5         Material Required for Examination       Image: Section Section       Page No.       Revision LO. Num         Output       Image: Section Section       Num       1       5
KA:       0290006449       2.4.49       RO Value       4.0       SRO Value       4.0       Section:       SYS       RO Group:       2       SRO Group: <td>KA:       029000G449       24.49       RO Value:       4.0       SRO Value:       4.0       Section:       SYS       RO Group:       2       SRO Group:       02         System/Evolution Title       Containment Purge System       025         Ability to perform without reference to procedures those actions that require immediate operation of system components and controls.       Ability to perform without reference to procedures those actions that require immediate operation of system components and incorrect - VQ005A is interlocked with BOTH: the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which incorrect - this red monitor mas NO automatic actual on a standard or proceedings.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Nur is red monitor for Examination         Material Required for Examination       Image: No.       Image: No.       Image: No.       Image: No.         Output       Image: No.       Image: No.       Image: No.       Image: No.       Image: No.         Image: No.       Image: No.       Image: No.       Image: No.       Image: No.       I</td>	KA:       029000G449       24.49       RO Value:       4.0       SRO Value:       4.0       Section:       SYS       RO Group:       2       SRO Group:       02         System/Evolution Title       Containment Purge System       025         Ability to perform without reference to procedures those actions that require immediate operation of system components and controls.       Ability to perform without reference to procedures those actions that require immediate operation of system components and incorrect - VQ005A is interlocked with BOTH: the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which incorrect - this red monitor mas NO automatic actual on a standard or proceedings.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Nur is red monitor for Examination         Material Required for Examination       Image: No.       Image: No.       Image: No.       Image: No.         Output       Image: No.       Image: No.       Image: No.       Image: No.       Image: No.         Image: No.       Image: No.       Image: No.       Image: No.       Image: No.       I
System/Evolution Title       Containment Purge System       029         KA Statement       Ability to perform without reference to procedures those actions that require immediate operation of system components and       029         KA Statement       Ability to perform without reference to procedures those actions that require immediate operation of system components and       029         KA Statement       Ability to perform without reference to procedures those actions that require immediate operation of system components and       029         Answers:       IA Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - this action will auto close VQ003 which incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which incorrect - this requires exhaust fan. (C) incorrect - this action will auto close VQ003 which incorrect - the requires exhaust fan. (C) incorrect - this action will auto close VQ003 which incorrect - this requires exhaust fan. (C) incorrect - this requires exhaust fan. (C) incorrect - this action is actionable.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       L.O. Number         Bwd Big Notes - Crittle       Facility Reference Number       Reference Section       Page No.       Revision       L.O. Number         Question Source:       New       Question Modification Method:       Used During Training Program       Dispartisery         Comment <td< td=""><td>System/Evolution Title       Containment Purge System       025         KA Statement:       Ability to perform without reference to procedures those actions that require immediate operation of system components and       025         Explanation of       (A) Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which isolates and they be the Post LOCA runge exhaust fan. (D) incorrect - this rad monitor has NO automate actuation is         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       O. Num         Bwd Big Notes - Crimt Purge       VP-2       1       5       5       5         Material Required for Examination       Image No.       Revision       O. Num</td></td<>	System/Evolution Title       Containment Purge System       025         KA Statement:       Ability to perform without reference to procedures those actions that require immediate operation of system components and       025         Explanation of       (A) Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which isolates and they be the Post LOCA runge exhaust fan. (D) incorrect - this rad monitor has NO automate actuation is         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       O. Num         Bwd Big Notes - Crimt Purge       VP-2       1       5       5       5         Material Required for Examination       Image No.       Revision       O. Num
System/Evolution Title       Containment Purge System       029         KA Statement:       Ability to perform without reference to procedures those actions that require immediate operation of system components and       029         KA Statement:       Ability to perform without reference to procedures those actions that require immediate operation of system components and       029         KA Statement:       Ability to perform without reference to procedures those actions that require immediate operation of system components and         Answers:       (A) Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - this action will auto close VQ003 which is objected with ONLY the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - this action will auto close VQ003 which is objected with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which is objected with BOTH the mini-flow purge exhaust fan. (D) incorrect - this action will auto close VQ003 which is objected at the red intervent of the red purge states and the post LOCA purge exhaust fan. (D) incorrect - this red intervent exclusions         Bwd Big Notes - Crint Purge       VP-2       1       5         Bwd Big Notes - Crint Purge       Question Modification Method:       Used During Training Program.         Question Source:       New       Question Modification Method:       Used During Training Program.         Question Source Comment	System/Evolution Title       Containment Purge System       022         Ability to perform without reference to procedures those actions that require immediate operation of system components and controls.       Ability to perform without reference to procedures those actions that require immediate operation of system components and controls.         Explanation of Answers:       (A) Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which is visite and trips the Post LOCA Turge exhaust fan only. (D) incorrect - this requiring it is NO outomatic actuations         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       O. Num         Material Required for Examination       Image: August and the post controls       Image: August and the post action actuation actua
KA Statement:       Ability to perform without reference to procedures those actions that require immediate operation of system components and controls.         Explanation of Answers:       (A) Correct - VQ005A is interlocked with BOTH the min-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the min-flow purge exhaust fan. (C) incorrect - this action will auto dose VQ003 which isolates and one to the the cost LOCA purge exhaust fan. (B) isolates and one with the total to dose VQ003 which isolates and the post LOCA number of this perform without reference and one to the the cost controls.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision LO. Number         Bwd Big Notes - Crimt Purge       VP-2       1       5	KA Statement:       Ability to perform without reference to procedures those actions that require immediate operation of system components and controls.         Explanation of Answers:       (A) Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which isolates and the post LOCA furge exhaust fan only. (D) incorrect - this action will auto close VQ003 which isolates and the post LOCA furge exhaust fan only. (D) incorrect - this action will auto close VQ003 which isolates and the post LOCA furge exhaust fan only. (D) incorrect - this action will auto close VQ003 which isolates and the post LOCA furge exhaust fan only. (D) incorrect - this action will auto close VQ003 which isolates and the post LOCA furge exhaust fan only. (D) incorrect - this action will auto close VQ003 which isolates and the post LOCA furge exhaust fan only. (D) incorrect - this action will auto close VQ003 which isolates and the post LOCA furge exhaust fan only. (D) incorrect - this action will auto close VQ003 which isolates and the post LOCA furge exhaust fan only. (D) incorrect - this action will auto close VQ003 which isolates and the post LOCA furge exhaust fan only. (D) incorrect - this action isolates at use the post LOCA furge exhaust fan only. (D) incorrect - this action isolates at the post LOCA furge exhaust fan only.         Bwd Big Notes - Cnmt Purge       VP-2       1       5
Ability to perform without reference to procedures those actions that require immediate operation of system components and controls.         Explanation of Answers:       (A) Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which to totates and tips the Post LOCA ruge exhaust fan. (C) incorrect - this action will auto close VQ003 which totates and tips the Post LOCA ruge exhaust fan. (C) incorrect - bits required monitor has NO automatic actuations         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number         Bwd Big Notes - Crimt Purge       VP-2       1       6	Ability to perform without reference to procedures those actions that require immediate operation of system components and controls.         Explanation of Answers:       (A) Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) is incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) Incorrect - this action will auto close VQ003 which is inderest and the post LOCA furge exhaust fan. (C) Incorrect - this action will auto close VQ003 which is inderest and the post LOCA furge exhaust fan. (C) Incorrect - this action will auto close VQ003 which is inderest for the post LOCA furge exhaust fan only. (D) Incorrect - this rad monitor fras NO automatic actuations         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       L.O. Num         Bwd Big Notes - Crimt Purge       VP-2       1       5
Explanation of Answers:       (A) Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B)         Answers:       Incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which isolates and the post LOCA nurge exhaust fan only. (D) incorrect - this rad monitor fies NC automatic actuations         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number         Bwd Big Notes - Crimt Purge       VP-2       1       5	Explanation of Answers:       (A) Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) Incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) Incorrect - this action will auto close VQ003 which isolates and trips the Post LOCA Purge exhaust fair only. (D) incorrect - this rad monitor has NO automatic actuations         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Nur         Bwd Big Notes - Crimt Purge       VP-2       1       5
Explanation of Answers:       (A) Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) isolates eind ups the Post LOCA "urge exhaust fan in flow purge exhaust fan. (C) incorrect - this red monitor has NO automatic actuations         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       C. Number         Bwd Big Notes - Comt Purge       VP-2       1       5       5         Material Required for Examination	Explanation of Answers:       (A) Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) Incorrect - this action will auto close VQ003 which isolates and these the Post LOCA Purge exhaust fair only. (B) incorrect - this rad monitor has NO automatic actuations         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Nur         Bwd Big Notes - Crimt Purge       VP-2       1       5       1       5         Material Required for Examination       Duestion Sources       Now       Interlocked for Examination
Application or Answers:       (A) Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) Incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto dose VQ003 which isolates and this the Post LOCA Purge exhaust fan routy. (D) incorrect - this red monitor has NO automatic actuations         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number         Bwd Big Notes - Crimt Purge       VP-2       1       5       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	Answers:       (A) Correct - VQ005A is interlocked with BOTH the mini-flow purge exhaust fan and the post LOCA purge exhaust fan. (B) incorrect - VQ005B interlocked with ONLY the mini-flow purge exhaust fan. (C) incorrect - this action will auto close VQ003 which isolates and thes the Post LOCA runge exhaust fan only. (D) incorrect - this rad monitor has NO automatic actuations         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Num         Bwd Big Notes - Crimt Purge       VP-2       1       5       1       5       1       5         Material Required for Examination       Incorrect       Now       Incorrect       Now       Incorrect
Isolates and trips the Post LCOA Purge exhaust fair only. (D) forceret it its rad monitor fairs NC automatic actualions         Reference Title       Facility Reference Number         Bwd Big Notes - Crimt Purge       VP-2         Image: State of the stat	Isolates and trips the Post ECOA Furge exhaust fair only. (b) incorrect - this rad monitor has NC automatic actuations         Reference Title       Facility Reference Number.         Reference Section       Page No.         Revision       L.O. Nur         Bwd Big Notes - Crimt Purge       VP-2         Image Material Required for Examination       Image Material Required for Examination
Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       L.O. Number         Bwd Big Notes - Crimt Purge       VP-2       1       5       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -<	Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Nur         Bwd Big Notes - Crimt Purge       VP-2       1       5       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -
Bwd Big Notes - Crimt Pürge       VP-2       1       5         Bwd Big Notes - Crimt Pürge       VP-2       1       5         Material Required for Examination	Bwd Big Notes - Crimt Purge     VP-2     1     5       Material Required for Examination
Bwd Big Notes - Crimt Purge       VP-2       1       5         Material Required for Examination	Bwd Big Notes - Crimt Purge     VP-2     1     5       Material Required for Examination
Dwd Dg Notes - Chint Purge       VP-2         1       5         Material Required for Examination	Dwd Dig Notes - Crimit Purge     VP-2       Image: Image interval     Image: Image interval       Image: Image interval     Image: Image interval       Image: Image interval     Image: Image interval       Image: Image interval     Image interval       Image: Image interval     Image interval       Image: Image interval     Image interval       Image interval     Image interval       Image interval     Image interval       Image interval     Image interval
Material Required for Examination	Material Required for Examination
Material Required for Examination	Material Required for Examination
Question Source:       New       Question Modification Method:       Used During Training Program         Question Source Comments	
Question Source:       New       Question Modification Method:       Used During Training Program         Question Source Comments	
Question Source Comments     Used During Training Program       Comment Type     Comment III	Question Source: New Question Modification Method: Used During Training Program
Question Source Comments         Comment Type       Comment III	
Comment Type     Comment	Question Source Comments
Reviews Complete       Peer       Supervisory	A STATE OF A
Reviews Complete       Peer       Supervisory	
Reviews Complete       Peer       Supervisory	Commont Tune Common Tune
Peer Supervisory	Comment Type Comment
Supervisory	
	Supervisory
Facility	

	leak develops of(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)(2)_(2)	on the discharge of (1) before tl - <sup>.</sup>	the Spent Fu	el Pool Heat Exchanger loses suction. Using Bw	while the cooling OP FC-11, makeu	loop is in operation p water will be ac	on, the Spent i Ided back to t	Fuel Po he Sper	ol will lose a nt Fuel Pool via
	(1)	(2)							
System	4 inches 44 4 inches 44 4 feet 67 a E 033000A203 m/Evolution T	Xam Level B A2.03 Itle Spent Fuel F	Control Tank g Water Stora Control Tank ( Cognitive RO Valu Pool Cooling	(VCT) Ige Tank (RWST) VCT) Level Application e: 3.1 SRO Value System	Facility:	Braidwood	Storage 3 of the second	eqtion :	7/19/02 <b>RO Group:</b> 2
	pro			he following on the Spe tigate the consequence					
	incontrol (A)	orrect - the 4 inches orrect - the 4 inches orrect - the VCT is n	s relates to the s relates to the s. (C) incom not an availab	I or loss of water level stops 4 feet below norm e anti-siphon hole on the eut - the 4 incluss relate le source of makeup wa	al water level. The SFP cooling disc s to the enti-sipho ter.	RWST is an avai harge to the pool Thole on the STT	lable source o The VCT als	of make o is not harge to	up water. (B): 344
Explan Answe	inco inco inco inco inco inco inco inco	rence Title	suction has s relates to th er. (C) incom not an availab	stops 4 feet below norm e anti-siphon hole on the	al water level. The SFP cooling disc s to the anti-sipho iter.	RWST is an avai harge to the pool Thole on the STT	lable source of The VCT als Cooling discl	of make o is not harge to	up water. (B): 444 an available: 444 the pool (D)
Explan Answe	interiore (A) instantia (A) interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interior	Correct - the pump orrect - the 4 inches orrect - the VCT is n rence Title	s relates to th e. (C) incom not an availab	stops 4 feet below norm e anti-siphon hole on th eut - the 4 inches relate le source of makeup wa Facility Reference Nu (OP FC-11	al water level. The s SFP cooling disc s to the anti-siption ter.	RWST is an avai harge to the pool there on the ST	lable source of The VCT als cooling disc	of make o is not harge to	up water. (B) an available the poor (D)
Explan Answe	interiore (A) instantia (A) interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interiore interior	rence Title	s relates to th e. (C) incom not an availab	stops 4 feet below norm e anti-siphon hole on the out - the 4 inches relate le source of makeup wa Facility Reference Nu	al water level. The = SFP cooling disc = to the enti-siption ter. mber Refere	RWST is an avail harge to the pool there on the ST nee Section	lable source of The VCT als cooling disc	of make o is not rarge to Revisi	up water. (B): 444 an available: 444 the pool (D)
Explan Answe Spent F Spent F	refe vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex	rence Title	s relates to the second state of the second st	stops 4 feet below norm e anti-siphon hole on th eut - the 4 inches relate le source of makeup wa Facility Reference Nu (OP FC-11	al water level. The SFP cooling disc s to the anti-sipho iter. <b>mber</b> <b>F</b>	RWST is an avail harge to the pool there on the ST nee Section	lable source of The VCT als cooling disc	of make o is not rarge to Revisi	up water. (B) an available die pool (D) on LO. Number
Explan Answe Spent F Spent F Materia	Refe Fuel Pool Leve Fuel Pool Cooli I Required for	rence Title	Suction has : s relates to th er. (C) incom not an availab	stops 4 feet below norm e anti-siphon hole on the ect - the 4 inches relate le source of makeup wa Facility Reference Nu /OP FC-11 FC-XL-01	al water level. The e SFP cooling disc s to the anti-sipho iter. <b>mber</b> F fig 51-1	RWST is an avail harge to the pool there on the ST nee Section	lable source of The VCT als cooling disc	of make o is not rarge to Revisi	up water. (B) an available die pool (D) Dn LO: Number
Explan Answe Spent F Spent F Materia Questio	refe vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex vertex	rence Title	Suction has : s relates to th er. (C) incom not an availab	stops 4 feet below norm e anti-siphon hole on th eut - the 4 inches relate le source of makeup wa Facility Reference Nu (OP FC-11	al water level. The e SFP cooling disc s to the anti-sipho iter. <b>mber</b> F fig 51-1	RWST is an avail harge to the pool there on the ST nee Section	lable source of The VCT als cooling disc Page No 3	of maker o is not range to Revisi 20 1	up water. (B) an available die pool (D) Dn LO: Number

	1		tion Top					System (SHE bly out of the		Dealusia						
		(****************					1 035611	bly out of the	Spent Fuel	Pool using I	the new fue	elevator?				
~	ĺ															
															•	
ana. George		a.	Control	s for the r										<sub>.</sub>	۰ یا ۱۰ ۱۰ - ۱۰ - ۱۰ - ۱۰ ۱۰ - ۱۰ - ۱۰ - ۱۰	
14			******	·····			****	y travel in on	St. 27. 1926 Statistics States	الأرق وجاعدت والأقرار فالمقادك	و ۵۰ فکل راهن و رئیش اجرا و ارت	والمحادثة والمحادية فالمحادث والمحاد	And Sector Construction	ويوجز وتنابع والارجاب ويهوق الاراب	化磷酸钙 机动物的 化分子	\$ Artza
30a -		<b>b.</b>	Upward	motion o	f the ne	w fuel el	levator is	s stopped if s	urface radial	ion levels a	pproach 10	0 mr/hraeaa	Seconstancij	Cast Sat Net C	tractional are	
ann a Sigirí									- <u>1997 - 1997 - 1997 - 1997 - 1997 - 1997</u>	بحجاري المرجع أتحر فالمرجع	e de salaria de com	the second states of the second	والمحادية المستكنية والتراكين	And the second second	i i standarda i istalaida	1752 N. 197
	េ		-				*****	g any loads (							este araa	Salar ald
	C	d.	A slack	cable inte	rlock pr	events r	aising th	e much light	er spent fuel	assembly v	ia the new f	uel elevator	e e state do da	78.1 (	. • · · · · · · · · · · · · · · · · · ·	· .
	Ans	wer	c	Exam	Level	В	Cogn	itive Level	Memory		acility:	Braidwood	1 12	n (		
34	KA:	0	34000A	302	A3.0;	2 * *		/alue: 2.5			·			amDate:		7/19/02
.8	Sys	tem	/Evoluti	on Title		J		nent System				<u>ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا </u>	RO Group	(B	SRO:Group	······
	KA :	Stat	ement:	Ability to				rations of the				in al calla a c		**************************************		34
Г			्रिंग्स्	Load III	iiis		1 163 c. 16 10 10 10 10 10 10			和我们们的	对你在时候。	يقفى تاج تا الم ال			fartsteinersjø Seletikersjø	
	Expi Ansi	ana wer:	tion of s:	Over the	ect - the SF for	e upward shieldin	d motion g concer	interlock is t ns. (A) Incon	o prevent rai	sing spent	fuel out of th	e SFP, maii	taining the	required de	pth of water	1.44
-ر ۲			an carao e carao entre reconstructura	with the		el elevat	<del>or (D) h</del>	iconect-this	is a 025# do	wirward me	ກ່າວກາວເວລາເປັ	prevent dan	(D) mcorrec nage/bindin	t -there is no g of a lower	o rad interloo	skorného v
<u>ا</u> ا			and the second design of the	Referenc	e Title		<u></u>	Facility	Reference	Number	Referenc	e Section	Page	No. Revie	ion L.O. Ni	1.1.338 1
	Fuel	Han	ndling LF	<b>.</b>			S SARA	11-FH-XL-0	1 1.495.224	handers	]]]]		17		6	ALL
				d for Exa			<u> </u>								······································	1
		-		e: Oth		ity		uestion Mo	dification M	ethod:	Significantl	/ Modified	Used D	uring Traini	ing Program	
C	lues	tion	Source	Comme	nts 2	2001 Pra	irie Islar	d NRC			******					
				1 1200000						*****						
			and the second second		ent 👘			and states in the second se						Reviews	Complete	
	omr	nen	t Type	Comme		******										
	omr	men	t Type											Peer		
	omr	men	t Type											Supervis		
	omr	men	t Type													

	Q	uesti	on Top	ic Fue	Handling	Equipm	ient Syster									
									ollowing con							
	-    - - - 1	- 1B   - 1A   - Cor - Fue	EDG is FHB Exi Itainmer I Handli	OOS for o haust Filt nt mini-pu ng Buildir	overhaul er Plenum rge syster	is aligne n is in se	ed and in s ervice	ervice	000							
		i ue	nanun	ng bullair	ig Radiatio	on Monit	tor, 0RE-Al	R056, al	arm circuitry	has just in order	failed. IMD i	s troublesho e off-load to	oting.			*. e
t naru. Jaigu .									uninterrupt							
and the decision of the second se		· · · · · · · · · · · · · · · · · · ·							والأطريب والمعروسين						at the second second	
												ed nada si				
(Mirgana) , (1990 ren i						and the second second second	and the second					o operable si	4 1994 1994 1994 1994 1994	Arc d .		
	(2007)	f. F a wer	ligned ir								ble monitor	is provided a	and the 1A F	HB Exhau	st Filter Ple	num is
	KA:	, , , , , , , , , , , , , , , , , , , ,	4000K6	Exam			ognitive l		Application		Facility:	Braidwood	E E	amDate:		7/19/02
· ·		1 · [		n Title	K6.02		RO Value: quipment S	ss }	SRO Val	·····	3 Section	······	RO Grou	5. 3	SRO Gro	up: 2
				Knowled	ge of the e	effect of	a loss or m				litere on the	ne Fuel Hand			**************************************	034
	Eval										- ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	Sept. 1966 - 1			,	
100 1920 100 1920 100 1920 100 1920	Ansi	anau Ners:	Sec. 6	(A) incor fuel mov	rect - per ements. (E	RM 3.3 ) Incorre	.0, with 2 c ect - may n	hannels nove fue	inop must p I with vent a	lace 1 FH	B Vent in e and protabl	mergency m e monitor (C	ode and pro	vide portat	le monitor	or stop
ia signita Versia si <b>r</b>		- 		account.		PC USW		ישיי טור פ ניין ניין	rable emerg	GIICY POM	ci suppiy.a	e monitor (C ຣາຣຊດກຣປ ມ <sub>ີ</sub>		meet to als	o place por	
	piere.	<u>(</u> , j	R		Title		ita i posta i p	acility F	Reference N	lumber	会議議会	ice Section		lo. Revi	sion L.O.	Number
			ling LP	ts Manua		te git still		1-XL-01	na na provinska se	4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	1		26-32	52	7,10	
			memen	is Manua	<b>1</b>			3.3.0		di parti kara par 2017 yang tahun 2017 yang tahun			1,2			
	Vater	ial R	equired	for Exa	nination										][	
	Ques	tion §	Source:	New			Questi	on Mod	fication Me	thod:	<u></u>		L Head D	where T	ning Progr	
	Quest	tion S	Source	Commen	ts						J				ling Progr	
	omn	nent '	Туре	Comme	nt											
													]	Review Peer	s Complete	e
														Supervi Facility NRC		
																Se

RO SkyScraper SRO Skyscraper RO System/Evolution List SRO System/Evolution List Outlin	e Changes
Question Topic Main and Reheat Steam System (MRSS)	
Prior to start up following completion of A2R09, the Unit 2 Main Steam Isolation Valves (MSIVs) were tested to and that each MSIV actuated to it's isolation position on an actual or simulated actuation signal. The basis for limit or mitigate all of the following EXCEPT:	o ensure a closure time of < 5 seconds performing these surveillances was to
a. Accidents that could result in offsite exposures comparable to 1005D100 in in	1970 - Andrew Martin and Andrew Martin
	Courte (17, 17, 12) Norman Politic and the constraint of the state of
b. The potential for uncontrolled RCS cooldown and positive reactivity restart accident	
Total mass and energy release into containment on a HELB	
A turbine overspeed condition following a generator trip at power	
Answer d Exam Level S Cognitive Level Comprehension Facility: Braidwood	ExamDate: 7/19/02
KA:     039000G225     2.2.25     RO Value:     2.5     SRO Value:     3.7     Section:     SYS       System/Evolution Title     Main and Reheat Steam System	O Group: 2 SRO Group: 2
	039
Knowledge of bases in technical specifications for limiting conditions for operations and safety	limite
Answers: (A,B,C) incorrect - these are not exceptions - they are basis statements for MSIV operability. (E	D) Correct - Credit is not taken for
Poforence Title	n de Bereiten ist de finster de sone normalisation de la sone de sone de sone de sone de sone de sone de sone Altre administration de sone de
Reference Title         Facility Reference Number         Reference Section           Tech Spec Basis - MSIVs         B 3.7.2         Basis	
Material Required for Examination	
Question Source: New Question Modification Method:	Used During Training Program
Question Source Comments	
Comment Type Comment	
Comment Type Comment	
	Peer
	Supervisory
	Supervisory Facility

. ..

.

. . . .

		ollowing condition eactor power is 80									]
$\mathcal{L}$	- All - On	l systems are in a ne Main Steam Du	utomatic control ump valve, 1MS	004A, fails 100%		e positioner failure.					
	What the ex	is the expected re ccess steam flow?	esponse of the p	lant due to the st	eam dump vaive fa	ilure AND what action	can the oper	rator take fror	n the conti	rol room to s	itop
* *	a.	Turbine load will either Bypass Int	decrease by ap terlock Switch to	prox. 3% AND re OFF/RESET.	actor power will rer	nain constant. The ope	erator can sto	op dumping e	xcess stea	im by taking	- Derivstan
Staffer Classe (	<b>b</b> .	Turbine load will	remain relatively	Constant AND		or Bycess enteriors, O. Icrease by approx, 3% E. dre Stram Dump M	asca io Chiri			to due by	55233
Sector des	Sec. 1	a di Dille IOau Will.	uecrease by and	YOX 3% AND ro	actor nowick will as a	nain constant. The ope					÷
sent hären.	d.		remain relatively	constant AND	actor power will in	crease by approx. 3%.	A STORE AND	or can stop du	imping exc	The state of the	<b></b>
	Answer		Level	Cognitive Lev	······		aidwood	   Exam	- : \	· ·	(19/02)
2 M.		045000A208	A2.08	RO Value:	2.8 SRO Value	: 3.1* Section:	SYS	RO Group:		RO Group:	
•• ••."		Evolution Title	,	Generator Syste			HERRICE CON			045	
file Statestic	KA State	ement: Ability t	0 (a) predict the	imamonate ful f						&	i . ,
1.2	and the second					Turbine Generator S s of those abnormal op					A STATES
antan Antan Marita	Explana Answers	tion of (A) Inco	dumps are not c rrect - turbine lo ed steam flow. (f	ycling properly at ad will remain re 3) Incorrect - sele	low load, or stick c atively constant wi	ppen at higher load (iso th IMP IN (normal at 10	olate and use 00%). Reacto	atmospheric or power will t	reliefs wh	en necessai se due to	ry)
44	Explana Answers	tion of (A) Inco	dumps are not c prrect - turbine lo ed steam flow. (I	ycling properly at ad will remain re 3) Incorrect - sele	low load, or stick c atively constant wi constant Press Consect - tarbine to , and either Steam	pen at higher load (isc th IMP IN (normal at 10 ure Mode will not close ad is expected to rem Dump Bypass Interloo	operation: plate and use 00%). Reacto e the steam o ain relatively ck switch in C	atmospheric or power will t lumps if the f	reliefs wh then increa ailure is in	en necessar se due to the valve	ry)
	Answers	Steam of increase position will increase dumps ( Reference	dumps are not c prrect - turbine lo ed steam flow. (I en. (C) Incorrect ease due to incr train A&B)	ycling property at ad will remain re B) Incorrect - sele - (see A&D) (D) eased steam flow	low load, or stick c atively constant wi connect - torbine to and either Steam	th IMP IN (normal at 10 th IMP IN (normal at 10 ure Mode will not close ad is expected to term Dump Bypass Interloo	beration: plate and use 00%). Reaction a the steam of a the steam of a the steam of a the steam of a the steam of the steam of the steam of the steam of the steam of the steam of the steam of the steam of the steam of the steam of the steam of the steam of the steam of the steam of the steam of the steam of the steam of the steam of the steam of the steam of the stea	atmospheric or power will t dumps if the fr constant with DFF/RESET v	reliefs wh then increa ailure is in MP IN, re vill close a	en necessa ase:due to the valve actor power Il steam	<u>()</u>
	Answers	Steam of increase position will increase dumps ( Reference	dumps are not c prrect - turbine lo ed steam flow. (I en. (C) Incorrect ease due to incr train A&B)	ycling property at ad will remain re B) Incorrect - sele - (see A&D) (D) eased steam flow	low load, or stick c atively constant wi connect - torbine to and either Steam	th IMP IN (normal at 10 th IMP IN (normal at 10 ure Mode will not close ad is expected to term Dump Bypass Interloo	beration: blate and use 00%). Reacto e the steam of an relatively ck switch in C Section	a atmospheric or power will t lumps if the fa constant with DFF/RESET w	reliefs wh then increa ailure is in MP IN, re vill close a	en necessar se due to the valve	<u>()</u>
	Answers	Steam of increase position will increase dumps ( Reference	dumps are not c prrect - turbine lo ed steam flow. (I en. (C) Incorrect ease due to incr train A&B)	ycling properly at ad will remain re 3) Incorrect - sele - (see AGD) (D) eased steam flow Fac	low load, or stick c atively constant wi connect - torbine to and either Steam	th IMP IN (normal at 10 ure Mode will not close ad is expected to term Dump Bypass Interloo mber Reference	beration: blate and use 00%). Reacto e the steam of an relatively ck switch in C Section	atmospheric or power will t dumps if the fr constant with DFF/RESET v	reliefs wh then increa ailure is in the IN, re vill close a Revision	en necessa ase:due to the valve actor power Il steam	<u>()</u>
	Answers Bwd Big	Steam of increase position will increase dumps ( Reference Notes	dumps are not c rrect - turbine lo ed steam flow. (f er. (C) Incorrect ease due to inco (train A&B) e Title	ycling property at ad will remain re 3) Incorrect - sele - (see AGD) (D) eased steam flow Fac	low load, or stick c atively constant wi connect - torbine to and either Steam	th IMP IN (normal at 10 ure Mode will not close ad is expected to term Dump Bypass Interloo mber Reference	beration: blate and use 00%). Reacto e the steam of an relatively ck switch in C Section	atmospheric or power will t dumps if the fr constant with DFF/RESET v	reliefs wh then increa ailure is in the IN, re vill close a Revision	en necessa ase:due to the valve actor power Il steam	<u>()</u>
-	Answers Bwd Big Material I	Steam of tion of s: position will increase dumps ( Reference Notes Required for Exa	dumps are not c rrect - turbine lo ed steam flow. (I en. (C) Incorrect ease due to incorr (train A&B) re Title	ycling properly at ad will remain re a) Incorrect - sele - (see A&B) (B) eased steam flow Eased steam flow Fac	low load, or stick c atively constant wi octing Steam Press Correct - tarbine to , and either Steam	mber Main Steam	beration: blate and use 00%). Reacto e the steam of an relatively ck switch in C Section	atmospheric or power will t dumps if the fr constant with DFF/RESET v	reliefs wh then increa ailure is in the IN, re vill close a Revision	en necessa ase:due to the valve actor power Il steam	<u>()</u>
	Answers Bwd Big Material I Question	Steam of increase position will increase will increase will increase Motes Reference Notes Required for Exa i Source; Oth	dumps are not c rrect - turbine lo ed steam flow. (f ease due to incre (train A&B) e Title imination	ycling properly at ad will remain re B) Incorrect - sele - (see A&D) (D) eased steam flow Eased steam flow Fac MS-4	low load, or stick c atively constant wi connect - torbine to and either Steam	mber Main Steam	Deration: Date and use 00%): Reacto e the steam of ain relatively Ck switch in C Section	atmospheric or power will t dumps if the fr constant with DFF/RESET v	reliefs wh then increa ailure is in MC IN, re vill close a Revision 6	en necessar he valve actor power I steam	<u>()</u>
	Answers Bwd Big Material I Question	Steam of tion of s: position will increase dumps ( Reference Notes Required for Exa	dumps are not c prrect - turbine lo ed steam flow. (t en (C) Incorrect ease due to incr train A&B) e Title mination er Facility	ycling properly at ad will remain re B) Incorrect - sele - (see A&D) (D) eased steam flow Eased steam flow Fac MS-4	low load, or stick c atively constant wi octing Steam Press Correct - tarbine to , and either Steam	mber Main Stean	Deration: Date and use 00%): Reacto e the steam of ain relatively Ck switch in C Section	a atmospheric pr power will t dumps if the fr constant with DFF/RESET v Page No.	reliefs wh then increa ailure is in MC IN, re vill close a Revision 6	en necessar he valve actor power I steam	<u>()</u>
	Answers Bwd Big Material I Question	Steam of tion of standard (A) Inco increase position will incre dumps ( Reference Notes Required for Exa i Source: Oth Source Comme	dumps are not contract - turbine lo ed steam flow. (tr en. (C) Incorrect ease due to incorr (train A&B) re Title mination er Facility nts 2001 Prai	ycling properly at ad will remain re a) Incorrect - sele - (see A&D) (D) eased steam flow Fac MS-4 MS-4 Question irie Island	low load, or stick c atively constant wi octing Steam Press Correct - tarbine to , and either Steam	mber Main Stean	oberation: plate and use 00%): Reacto e the steam of ain relatively ck switch in C Section n odified	Atmospheric a tmospheric prover will the free constant with DFF/RESET with Page No. 1 1 1 1 1 1 1 1 1 1 1 1 1	reliefs wh then increa ailure is in MC IN, re vill close a Revision 6	en necessa ase:due to the valve actor power I steam	<u>()</u>
	Answers Bwd Big Material I Question	Steam of tion of standard (A) Inco increase position will incre dumps ( Reference Notes Required for Exa i Source: Oth Source Comme	dumps are not contract - turbine lo ed steam flow. (tr en. (C) Incorrect ease due to incorr (train A&B) re Title mination er Facility nts 2001 Prai	ycling properly at ad will remain re a) Incorrect - sele - (see A&D) (D) eased steam flow Fac MS-4 MS-4 Question irie Island	low load, or stick c atively constant wi octing Steam Press Correct - tarbine to , and either Steam	mber Main Steam	oberation: plate and use 00%): Reacto e the steam of ain relatively ck switch in C Section n odified	a atmospheric or power will t dumps if the fi constant wild DFF/RESET w Page No. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	reliefs wh then increa ailure is in MP IN, re vill close a Revision 6 9 7 7 7 8 7 7	en necessa ase:due to the valve actor power I steam	<u>()</u>
	Answers Bwd Big Material I Question	Steam of tion of standard (A) Inco increase position will incre dumps ( Reference Notes Required for Exa i Source: Oth Source Comme	dumps are not contract - turbine lo ed steam flow. (tr en. (C) Incorrect ease due to incorr (train A&B) re Title mination er Facility nts 2001 Prai	ycling properly at ad will remain re a) Incorrect - sele - (see A&D) (D) eased steam flow Fac MS-4 MS-4 Question irie Island	low load, or stick c atively constant wi octing Steam Press Correct - tarbine to , and either Steam	mber Main Steam	oberation: plate and use 00%): Reacto e the steam of ain relatively ck switch in O Section n odified	a atmospheric or power will t dumps if the fi constant wild DFF/RESET w Page No. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	reliefs wh then increa ailure is in the increa ailure is in the increa vill close a vill close a fervision 6 g Training feviews C eer	en necessa ase due to the valve actor powe I steam I steam I co. Num I program	<u>()</u>
	Answers Bwd Big Material I Question	Steam of tion of standard (A) Inco increase position will incre dumps ( Reference Notes Required for Exa i Source: Oth Source Comme	dumps are not contract - turbine lo ed steam flow. (tr en. (C) Incorrect ease due to incorr (train A&B) re Title mination er Facility nts 2001 Prai	ycling properly at ad will remain re a) Incorrect - sele - (see A&D) (D) eased steam flow Fac MS-4 MS-4 Question irie Island	low load, or stick c atively constant wi octing Steam Press Correct - tarbine to , and either Steam	mber Main Steam	oberation: plate and use 00%): Reacto e the steam of ain relatively ck switch in O Section n odified	a atmospheric pr power will t dumps if the fr constant with DFF/RESET w Page No. 1 1 Used Durin Used Durin S S S	reliefs wh then increa ailure is in MP IN, re vill close a Revision 6 g Training Reviews C eer	en necessa ase due to the valve actor powe I steam I steam I co. Num I program	<u>()</u>

e	ach va	lve. Th	is testing i	s perform	ed to ensur	n steam noni re:				bserving	reedom	of moveme	nt of the	weight arn	ns on
~-1															
	<b>a.</b> S	team li	ne breaks	which oc	cur outside	the Auxiliary	Building ar	e positively	isolated to	n ar nidardi	inderstaat Poolestaats	tirkan yataa	er store e. Reference	in a gried Anton a	ercan e Ne s <b>e</b> s
	·····	loodina	does not	occur in f	eedwater b	eators limiti	a the shills				$\{a_i\}_{i \in [1, \infty]}$			<u>.</u>	
· · · • • • • • • • • • •	··· /	*****					n CANALARIA Marina	Second States and Second	and the share	V = 100	24244	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	1.743	Se 31 6 14	P. 1999
	c. E	xcessiv	e overspe	ed of the	turbine doe	es not occur	ollowing a t	urbine gen	erator trip	kerini yangi	Uli surti t	e i i sul i suctua	esterni Suz	ing that	ignenia (****
	<b>d.</b> ] C	verpre:	ssurization	of the ma	ain condens	ser does not	occur if fee	dwater hea	er levels in	crease to	o hiah		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		*****
Δο	swer	c	·····	evel S				2, 1 2, 1 2, 1 2, 1 2, 1 2, 1 2, 1 2, 1	- Constanting		- mgn	·k		Manimist	94891 (e.97)
KA		5000G2				initive Leve			Facility:				nDate:	: <u>;</u>	7/19/
	20 <b>]</b>	·····	on Title		the RC				3.7 Secti			O Group:	\$ L	SRO Grou	ıb:
tiz storeste	******	ment:			·····	erator System		30 T 45	· · · · ·		·	(poséerto		. 5	045
	Otate		Knowledg	ge of bas	es in techni	cal specifica	tions for lim	iting condit	ons for ope	rations ar	id safetv	<u>Posterez ez</u> limits accas	elenie riteit aine o cietà	<u>.</u>	
		ion of	Nonretur	n check v	alves (12) a	are part of th	e furbine ov	ersneed or	tection cir	with and	thus prot	oot the trut			
Winter I	eusifein)	t - Traine -	are not di	อบนออธน		part of the t	asis for turt	mashing m	eed protect	naotore tr	OW FOOM	ering the M	Г. (C) is d	orrect. (A	B,D) 🔬
			Reference	Title		Facil	ty Referen	ce Numbe		ence Se	tion w	Page No	to sorti k	****	n state :
Tec	h Spe	cs - TRI	M		and a second		g •••			3.3.g.2	THE NEW YORK	g-2			
Old	Tech	Spec B	asis Doc	sti Rikova,	- Hugh	B 3/4 3-6			Turb	Overspee	d	<u>-</u> 3-6			- · · ·
<u> </u>						· ] [		· · · ·				· [	J		
			d for Exar												
Que	stion	Source	New			Question M	odification	n Method:				Used Dur	ing Trair	ning Progr	am
Que	stion	Source	Commen	Its		******									
Com	ment	Туре	Comme	nt				<u>.</u>				··· · · · · · · · · · · · · · · · · ·			
SRO			TS Basis					N. S.						s Complet	e
						*********						<u> </u>	Peer Supervi		
	*****	1			****								Facility		
			1												+

	Question Topi							
		onditions exist on U						
	- All control s	t 100% power, stead ystems are in autom Air is lost to one feed	dy state atic Iwater regulating valve, 1F	RV-510				
	If no action is ta operator?	iken in response to t	the FRV, which of the follo	wing describes the resp	onse of the plant AND foll	owup action r	equired by the M	СВ
ki ki ka	a. TURBIN	IE TRIP ABOVE P-8	" trips the reactor. All Mai	n Feedwater Pumps AL	TOMATICALLY trip. Oper	ator must sim		lwater 1
				بالمستنفذ كالمرتب والمتحاص فالمحافظ فالمحافظ المستعلمات	<u>行行任任</u> 任人的任何。如何都容易了。"马	的复数形式 化合合	白白戸シリオーション	
n 1970 - Maria Salar 1970 - Maria Salar I.	and the second s		and an and a second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	的复数形式 网络拉拉拉斯拉拉拉拉拉拉拉拉拉		The second and the statements	STORE COL
er i sleti	CI S/G 1A I Isolation	_EVEL LO-2" trips ti Valves.	he reactor. All Main Feed	vater Pumps AUTOMAT	ICALLY trip: Operator mu	et MANI LALL	Colocovall Extended	-14 -1
	d. "S/G 1A L	EVEL LO-2" trips the	ne reactor. All Main Feedv	vater Pumps must be M	ANUALLY tripped in EP-0	Operator mu	et cimply VERIEN	25 X 4757
	Answer d	Exam Level						enter di
Maria	KA: 059000A2		Cognitive Level		acility: Braidwood	ExamD	ate:	7/19/02
0.1141) 2388 <b>9</b>	System/Evolutio		RO Value: 3.1*	SRO Value: 3.4*		O Group:	1 SRO Grou	<b>p:</b> 1
10.20 10.20 10.20	·		the impacts of the followin			rhtalissinnaksegar		059
	Stell Storage and Anna Start Start Face and Start Start Start Start Anna Start Start Start Start Start Start Start Start Start Start Start Start	to correct, control, o	or mitigate the consequence	ses of those abnormal o	peration:	on those pred	ictions, use proce	dures
0.1904.C		(D) CONECC - FRVS	r regulating valves fail closed on loss of air. S n. (A&B) Incorrect - FRV	G level will dearge to the	Man la Que del un de la del			E quere and a second se
彩旗		dues initiate FW Isu		une ologeu, levels decle	ase. (C) incorrect - Lo-2 i	evel does not	trip the MFPs. P-	4
ja I	and the second se	eference Title			요즘 승규가 안 물건을 다 물건을 얻는 것	12 19 19 19 19 19 19 19		Mersel 1
			i acinty i	Reference Number	Keterence Section			
	Annunciator respo		BwAR 1-11-	48			Revision L.O. N	lumber
			and a second s	<b>Å8</b> . 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 196		1	Revision         L.O. N           8E1	
	Annunciator respo Bwd Big Notes	onse proc	BwAR 1-11-			1	8E1	
	Annunciator respo Bwd Big Notes		BwAR 1-11-			1	8E1	
*	Annunciator respo Bwd Big Notes Material Required Question Source:	I for Examination	BwAR 1-11-				8E1	
*	Annunciator respo Bwd Big Notes Material Required	I for Examination	BwAR 1-11-				8E1	
	Annunciator respo Bwd Big Notes Material Required Question Source: Question Source	I for Examination New Comments	BwAR 1-11-				8E1	
	Annunciator respo Bwd Big Notes Material Required Question Source:	I for Examination	BwAR 1-11-			Used During	8E1	
	Annunciator respo Bwd Big Notes Material Required Question Source: Question Source	I for Examination New Comments	BwAR 1-11-			Used During	8E1	
	Annunciator respo Bwd Big Notes Material Required Question Source: Question Source	I for Examination New Comments	BwAR 1-11-			Used During	8E1	
	Annunciator respo Bwd Big Notes Material Required Question Source: Question Source	I for Examination New Comments	BwAR 1-11-			Used During	8E1	

At 50	J% power on	both units, the Steam Ge	enerator programmed leve	I for each unit is:			
Unit	:1	Unit 2					
· · · · · · ·	·						
a. a.	33.0%	36.3%					
<b>b.</b>	50.0%	······································	<u>11. ja kaisessa sanakaises</u> 1969 - Baldonada as Paren da 1989 - Sanakaisessa sanakaisessa sanakaisessa sanakaisessa sanakaisessa sanakaisessa sanakaisessa sanakaisessa	20. Ben dan sebagai se	an ann a chéirte san Bhí.	enternation and a second s	
· · .							
	60.0%	03.7%		Set water the second second second		entertariante containen	willing to the second second
d.	81.0%	·*************************************			1348 ATL -50034		
Answe	 r   c		-	·	ner 13 - Antz A. Creation (* 19 General - Constanting)		· · ·
			Cognitive Level Memo	Facility	Braidwood	ExamDate:	7/19/
i interimental interimental di la construcción de la construcción de la construcción de la construcción de la c	059000A302		Supervision Coberration		ion: SYS	RO Group: 1	SRO Group:
			r System of a starte official		· ·	. Arthread Martin a distance	059
in Sia Si Shingan		outry to monitor automatic	c operations of the Main Fe S/G	edwater System inclu	ding:	a and a second provide the second second	and the state of the same of
	ation of P	ogram levels are U-1 at r	60.0% 11/2 of 62.2% 6	4			
	and the due interest	the grashed and and the grash of the	. + Block of Martin Consultation of the	nato occurs and a			Recently Statistics and
		erence Title	Facility Referen	ice Number	rence Section	Page No. Revis	ion I O Numba
SGWLC	Lesson Pla	n		in the second second second second second		11 2	
Material	Poquirod 6	or Examination					
E	n Source:						
		Facility Exam Bank	Question Modification	n Method: Editori	ally Modified	Used During Train	ing Program
Questio	n Source Co	omments					
Commer	tType C	omment					
		similar					Complete
						Peer	
	in the second se					Supervis	sory
[						Facility	

**G**1

- A	All other fee	dwater val	ves respond	ed as desi	and the condition rep gned	oorted to the Unit	Supervisor	close	at in fiction and a second		
• • • • • • • • • • • • • • • • • • •	Be ALLC	OWED to co red position	ontinue with	BOTH 1FV	V035D and 1FW034 ill not be challenged	D controlling ten		ince at least o	no valvo in f	ha line letter	ed to
6.	Be ALLC	WED to co lowed to o	ontinue, how perate indefi	ever, 1FW nitely in th	035D must be declar is configuration.	red inoperable a	nd closed with pov	ver removed fr	om its valve	actuator. The	
Ċ.	NOT be a	allowed to	continue. In a	addition to	H valves in this line	noroble the Au	一种树木 中国人名法国法	÷.	-		out
	unonerabl	e which pr	ecludes anv	future Mod	de changes until repa	aired.	in the second seco	souwater isol	auon must b	e declared	
Answe	er b	Exam Lo	evel S	Cognil	ive Level Comp	rehension F	acility: Braidwo	od [	xamDate:		7/19/02
KA: Systen KA Sta Explan Answe	er b 059000G1 m/Evolutio atement:	Exam Le 33 n Title Ability to r (A) Incom 3.6.3 does	evel S 2.1.33 Main Feedw ecognize ind ect - in order s not require	Cognit ROV vater Syste lications fo to perserv mode redu	ive Level Comp alue: 3.4 SRO im r system operating p re the safety function action if the required	rehension     F       Value     4.0       varameters which       , 1FW034D mus       action is completed	Section: SYS	RO Grou onditions for te ower removed allowed. (C) I	up: 1 chnical spec - single failur hcorrect - on	ifications. re. (B) Correc	59 ct - 100
KA: [ System KA Sta Explan Answe	er b 059000G1 m/Evolutio atement: nation of ers:	Exam La 33 n Title Ability to r (A) Incorre 3.6.3 doe inoperable the aux re	evel S 2.1.33 Main Feedw ecognize ind ect - in order s not require of closed wi lay function h	Cognit ROV vater Syste lications fo to perserv mode redu	ive Level Comp alue: 3.4 SRO or system operating p re the safety function rotion if the required snoved. Required a en affected.	rehension     4.0       Value:     4.0       varameters which       , 1FW034D mus       action is complection then does not be action to be a	Section: SYS	RO Grou onditions for te- ower removed allowed. (C) I operations or m	chnical spec - single failur ncorrect - on rode change	ifications. re. (B) Correc le valve may s (D) Incorre	59 ct
KA: [ System KA Sta Explan Answe	er b 059000G1 m/Evolutio atement: nation of ers:	Exam Le 33 n Title Ability to r (A) Incom 3.6.3 does	evel S 2.1.33 Main Feedw ecognize ind ect - in order s not require of closed wi lay function h	Cognit ROV vater Syste lications fo to perserv mode redu th power in has not be	ive Level Comp alue: 3.4 SRO im r system operating p e the safety function uction if the required a en affected. Facility Referen	rehension     4.0       Value:     4.0       varameters which       , 1FW034D mus       action is complection then does not be action to be a	Section: SYS	RO Grou onditions for te ower removed allowed. (C) I operations or m	chnical spec - single failur ncorrect - on rode change	ifications. re. (B) Correct te valve may s (D) hiccorrect sion L.O. N	59 ct
KA Sta KA Sta Explan Answe	er b 059000G1 m/Evolutio atement: nation of ers:	Exam Le 33 n Title Ability to r (A) Incorre 3.6.3 does inoperable the aux re Reference	evel S 2.1.33 Main Feedw ecognize ind ect - in order s not require if closed wi lay function I Title	Cognit ROV vater Syste lications fo to perserv mode redu th power in has not be	ive Level Comp alue: 3.4 SRO im r system operating p e the safety function uction if the required a en affected. Facility Referen	rehension [ Value 4.0] parameters which , 1FW034D mus action is comple- cion then does n ice Number	Section: SYS	RO Grou       punditions for termoyed       power removed       allowed. (C) I       perations of II       perations of II       perations of II	up1 chnical spec - single failui ncorrect - on iode change	ifications. re. (B) Correct te valve may s (D) hiccorrect sion L.O. N	59 ct
KA:   System KA Sta Explan Answe Tech Si Tech Si Materia Questic	er b 059000G1 m/Evolutio atement: nation of ers: F Specs	Exam La 33 n Title Ability to r (A) Incorro 3.6.3 does inoperable the aux re Reference	evel S 2.1.33 Main Feedw ecognize ind ecc - in order s not require if closed wi lay function f Title	Cognit ROV /ater Syste lications for to perserv mode redu- th power in has not be	ive Level Comp alue: 3.4 SRO im r system operating p e the safety function uction if the required a en affected. Facility Referen	rehension 4.0 Value: 4.0 Darameters which , 1FW034D mus action is comple- clion then does n sce Number	Section: SYS	onditions for te- pwer removed allowed. (C) I percetions or ij 2-12	up: 1 chnical spec - single failur ncorrect - on tode change No. Revi A115 A115	ifications. re. (B) Correct te valve may s (D) hiccorrect sion L.O. N	ct - be

		nal to automatically through(1)_	% on l	Unit 1 and	(2)9	ach respecti 6 on Unit 2.	ve unit is recei	ved as stea	am generato	r level passe	es from norma
	(1)	(2)									
-1				<b>x</b>		· · · ·					
	•.					н. ус. — <b>н</b> а					
a	120	22:8							1	ing a tra	u tri Satur vizio
				ster-tynulo:	aliseantionn Leolard Sold	le den sadar	na i E C. Hana ana a	and the second second	ralista hatiri		C. Murine History
þ.	10.U	-Seise 36.3 Martin	later in the second second	11-11-11-12-12-12-12-12-12-12-12-12-12-1	Lowing to Galacteria and	AN SHARLY	The design and then are	A Carlos			
<b>c.</b>	1		and the second				新闻 新闻的 化二乙酸 化乙酸医乙酸	2 (8) (2) (8) (8) (8)	No. 39	in the second	
		41.3	987 - 11.7 : KG和田田道书 2011 - 11 - 11 - 11 - 11 - 11 - 11 - 11		erterritike. 	käh selahyees		nd Fritzenska k	land all and the second	er no de	<i>topskalism</i> a
d.	88.0	80.8	lana sala in	ette of Materia	(thai)		~		NEL AREAS		
Answ	er b	Exam Level R		nitive Level				iş över	enge so r		
						C222		dwood	<u> </u>	Date:	7/19/0
	061000K1			Value: 4.		Je: 4.1		SYS R	O Group:		O Group:
<b>C</b>	m/Evolutio				System 🐄 🔅			. i		ત્ર ા હાસિયક વેલ્ડિય	061
	atement:	Knowledge of the provide the provided the pr	physical con	nections and/	or cause-effe	ct relationsh	ips between A	uxiliary / Er	mergency Fe	edwater Sv	stem and the
		following: S/G system		enter 19 de la companya	مر القرار العربية. مراجع المراجع ا	166-17-29-16-1			<u>. (69</u>		
					- Carl 19 1 19 1						1
	nation of										
Explar Answe	nation of ers:		/4) will autor	natically start	both AFW pu	mp on each	respective un	it. Lo-2 U-1	=18.0%, U-2	2=36.3%	AND THE CARD
Explar Answe	nation of ers:		/4) will autor	natically start	both AFW pu	mp on each	respective un	it. Lo-2 U-1	=18.0%, U-2	2=36.3%	
Explar Answe	nation of ers:		14) Will autor	Facility	Reference N	mp on each	respective un	it. Lo-2 U-1	=18.0%, U-2	2=36.3%	AND THE CARD
Explar Answe	nation of ers: Clator Resp	Reference Title	74) Will autor	Facility	Reference N	mp on each Iumber	respective un	it. Lo-2 U-1	=18.0%, U-2	2=36.3%	
Explar Answe	nation of ers: Clator Resp	Reference Title	74) Will autor	Facility	Reference N	mp on each	respective un	it. Lo-2 U-1	=18.0%, U-2	2=36.3%	
Explar Answe	tation of ars:	Reference Title	/4/ Will Autor	Facility	Reference N	mp on each	respective un	it. Lo-2 U-1	=18.0%, U-2	2=36.3%	
Explar Answe	tation of ars:	Reference Title bonse Procs	/4/ win autor	Pacifity Start	Reference N 15-D5	Iumber	respective un	ection	=18.0%, U-2	2=36.3%	LO. Number
Explar Answe	ation of ars: ciator Resp al Require on Source	Reference Title bonse Procs	/4/ win autor	Pacifity Start	Reference N	Iumber	respective un	ection	=18.0%, U-2	2=36.3%	LO. Number
Explar Answe	ation of ars: ciator Resp al Require on Source	Reference Title bonse Procs	/4/ win autor	Pacifity Start	Reference N 15-D5	Iumber	respective un	ection	=18.0%, U-2	2=36.3%	LO. Number
Explar Answe Answe Annun Materia Questio	ation of ars: Ciator Resp al Require on Source on Source	Reference Title		Pacifity BwAR 1/2-	Reference N 15-D5	Inponeach Iumber Iumber	Reference S	ection	=18.0%, U-2	2=36.3%	LO. Number
Explar Answe Answe Annun Materia Questio	ation of ars: ciator Resp al Require on Source	Reference Title		Pacifity Start	Reference N 15-D5	Inponeach Iumber Iumber	Reference S	ection	=18.0%, U-2	Revision	LO Number
Explar Answe Answe Annun Materia Questio	ation of ars: Ciator Resp al Require on Source on Source	Reference Title		Pacifity BwAR 1/2-	Reference N 15-D5	Inponeach Iumber Iumber	Reference S	ection	=18.0%, U-2	Revision	Program
Explar Answe Answe Annun Materia Questio	ation of ars: Ciator Resp al Require on Source on Source	Reference Title		Pacifity BwAR 1/2-	Reference N 15-D5	Inponeach Iumber Iumber	Reference S	ection	=18.0%, U-2	Revision	Program

•

-    - A    - A    - F	All steam gene All steam gene RCS temperatu	rator pressures are rator narrow range ire is 553°F and de	ain RCS Te at 1050 p: levels are creasing sl	emperature Co sig and decrea <10% lowly	asing slowly					•••••••••••••••••••••••••••••••••••••••
·· ·· · · · · · · · · ·	·				ize the cooldown of			*****		\$10, #41:554, 5
a.	Maintain ma	aximum AFW flow u	until steam	generator NR	levels are >25%, th	en decrease total AF	W flow to 500	gpm.	tin deptilis	in nach is
6.	Decrease to	tal AFW flow, main	taining >50	00 apm until S	G NR levels are >10	% then throttle as m				
c	( )	and a second				①公司为1988年1月24日日本(1998年1月)	\$P\$月1日:1499月6月1日			
		ueclease lotal AFV	vv flow to a	pproximately 2	25 gpm per SG	handen en hander Terret	240 Electron	en II sochter.	空间和新生物2、自己	Suto" o te
d.	Stop the AF	W pumps, if operati	ing, and iso	plate them from	n the steam general	****	an the states		- 2.	
Answ	ver b E	xam Level R	Conni	tive Level	Application	······································	akated (Mar.			
					Application	Facility: Braidwo	bod	ExamDate:	]	7/19/02
	061000K104		ROV		SRO Value: 4		RO Gr	oup: 1	SRO Grou	ip: 1
						de texations.				
	m/Evolution T				ystem 🦛 📶 👬		an an tha chu	1	2. 1	061
KA St	atement:	owledge of the phy	sical conn	ections and/or	cause-effect relation	nships between Auxil	iary / Emerge	ency Feedwat	or Suctor o	المتعر
	atement: Kr	owledge of the phy lowing:	sical conn	ections and/or	cause-effect relatio	nships between Auxil	liary / Emerge	ency Feedwat	er System a	nd the
KA St	atement: Kr fol R(	owledge of the phy lowing: SS	/sical conn	ections and/or	cause-effect relatio	nships between Auxil	liary / Emerge	ncy Feedwat	er System a	nd the
KA Sta Explar Answe	atement: fol RC nation of ers:	owledge of the phy lowing: S 1BwEP ES-0.1, st trictions are place of	vsical conn tep 2 RNO	ections and/or	cause-effect relatio	nships between Auxi Number Auxi Number Auxies are	liary / Emerge	ency Feedwat	er System a	nd the
KA Sta Explar Answe	atement: Kr foi RC nation of pe ers: 150	owledge of the phy lowing: CS r 1BwEP ES-0.1, st strictions are place of luce AFW flow <500	vsical conn tep 2 RNO. on AFW flo	ections and/or Maintain tota w rates. (B) ( I NN fevels are	cause-effect relatio	nships between Auxi Muntil NR levels are - 25% level & 500 gr t - cannot reduce Af	liary / Emerge	ency Feedwat ast one SG. T gh. (C) Incorr	er System a Then no furti ect - cannot	nd the
KA Sta	atement: Kr fol RC nation of ers: Per res res Refe	owledge of the phy lowing: SS In 1BwEP ES-0.1, st strictions are place of loce ATW flow < 500 strence Title	vsical conn tep 2 RNO. on AFW flo	ections and/or Maintain tota w rates. (B) ( NN levels are Facility R	cause-effect relatio	nships between Auxi n until NR levels are - 25% level & 500 gr t - cannot reduce Ar	liary / Emerge 3 >10% in at le 5 m are too hig 100 - 550 -	ast one SG. 1 gh. (C) Incorr	er System a Then no furti ect - cannot	nd the
KA Sta	atement: Kr foi RC nation of pe ers: 150	owledge of the phy lowing: SS In 1BwEP ES-0.1, st strictions are place of loce ATW flow < 500 strence Title	vsical conn tep 2 RNO. on AFW flo	ections and/or Maintain tota w rates. (B) ( NN levels are Facility R	cause-effect relatio	nships between Auxi Muntil NR levels are - 25% level & 500 gr t - cannot reduce Af	liary / Emerge 3 >10% in at le 5 m are too hig 100 - 550 -	ast one SG. 1 gh. (C) Incorr	r System a Then no furt ect - cannot tevels are -	nd the
KA Sta	atement: Kr fol RC nation of ers: Per res res Refe	owledge of the phy lowing: SS In 1BwEP ES-0.1, st strictions are place of loce ATW flow < 500 strence Title	vsical conn tep 2 RNO. on AFW flo	ections and/or Maintain tota w rates. (B) ( NN levels are Facility R	cause-effect relatio	nships between Auxi n until NR levels are - 25% level & 500 gr t - cannot reduce Ar	iary / Emerge	ast one SG. T gh. (C) Incorr gpm antil NR	r System a Then no furt ect - cannot tevels are -	nd the
KA Sta	atement:: Kr fol RC nation of ers: pe res res Refe or Trip Respon	owledge of the phy lowing: S T 1BwEP ES-0.1; st strictions are place of the ATW flow < 500 prence Title se & Basis	vsical conn tep 2 RNO. on AFW flo	ections and/or Maintain tota w rates. (B) ( NN levels are Facility R	cause-effect relatio	nships between Auxi n until NR levels are - 25% level & 500 gr t - cannot reduce Ar	iary / Emerge	ast one SG. T gh. (C) Incorr gpm antil NR	r System a Then no furt ect - cannot tevels are -	nd the
KA Sr.	atement:: Kr fol RC nation of pe ers: 155 Refe or Trip Respon	owledge of the phy lowing: S T 1BwEP ES-0.1, st strictions are place of lace AFW flow < 500 Frence Title Se & Basis	vsical conn tep 2 RNO. on AFW flc 0 gpm und 1	ections and/or Maintain tota w rates. (B) ( NN levels are Facility R	cause-effect relatio	nships between Auxi n until NR levels are - 25% level & 500 gr t - cannot reduce Ar	iary / Emerge	ast one SG. T gh. (C) Incorr gpm antil NR	r System a Then no furt ect - cannot tevels are -	nd the
KA Sta Explar Answe Reacto Materia Questio	atement:: Kr fol RC nation of pe ers: 150 Refe or Trip Respon al Required fo on Source:	owledge of the phy lowing: S TBWEP ES-0.1, st strictions are place of luce AFW flow <500 prence Title se & Basis r Examination Facility Exam Bar	vsical conn tep 2 RNO. on AFW flc 0 gpm anti 1	ections and/or Maintain tota w rates. (B) ( <u>INN fevels are</u> Facility R 1BwEP ES-0	cause-effect relatio	nships between Auxi n until NR levels are - 25% level & 500 gr t - cannot reduce Ar	iiary / Emerge	ency Feedwat ast one SG. 1 gh. (C) Incorr gpm antil MR ie No. Revi 100	rhen no furt ect - cannot tevels are >	nd.the
KA Sta Explar Answe Reacto Materia Questio	atement:: Kr fol RC nation of pe ers: 155 Refe or Trip Respon	owledge of the phy lowing: S TBWEP ES-0.1, st strictions are place of luce AFW flow <500 prence Title se & Basis r Examination Facility Exam Bar	vsical conn tep 2 RNO. on AFW flc 0 gpm anti 1	ections and/or Maintain tota w rates. (B) ( <u>INN fevels are</u> Facility R 1BwEP ES-0	cause-effect relatio	nships between Auxi n until NR levels are - 25% level & 500 gr t - cannot reduce Af Reference Secti	iiary / Emerge	ast one SG. T gh. (C) Incorr gpm antil NR	rhen no furt ect - cannot tevels are >	nd.the
KA Sta Explar Answe Reacto Materia Questio	atement:: Kr fol RC nation of pe ers: 150 Refe or Trip Respon al Required fo on Source:	owledge of the phy lowing: S TBWEP ES-0.1, st strictions are place of luce AFW flow <500 prence Title se & Basis r Examination Facility Exam Bar	vsical conn tep 2 RNO. on AFW flc 0 gpm anti 1	ections and/or Maintain tota w rates. (B) ( <u>INN fevels are</u> Facility R 1BwEP ES-0	cause-effect relatio	nships between Auxi n until NR levels are - 25% level & 500 gr t - cannot reduce Af Reference Secti	iiary / Emerge	ency Feedwat ast one SG. 1 gh. (C) Incorr gpm antil MR ie No. Revi 100	rhen no furt ect - cannot tevels are >	nd.the
KA Sta Explar Answe Reactor Materiz Question Question	atement:: Kr fol RC nation of pe ers: 155 Refe or Trip Respon al Required fo on Source: on Source Co	owledge of the phy lowing: S TBWEP ES-0.1, st strictions are place of luce AFW flow <500 prence Title se & Basis r Examination Facility Exam Bar	vsical conn tep 2 RNO. on AFW flc 0 gpm anti 1	ections and/or Maintain tota w rates. (B) ( <u>INN fevels are</u> Facility R 1BwEP ES-0	cause-effect relatio	nships between Auxi n until NR levels are - 25% level & 500 gr t - cannot reduce Af Reference Secti	iiary / Emerge	ency Feedwat	r System a	nd the
KA Sta Explar Answe Reactor Materiz Question Question	atement:: Kr fol RC nation of pe ers: 155 Refe or Trip Respon al Required fo on Source: on Source Co	owledge of the phy lowing: S TBWEP ES-0.1, st strictions are place of the AFW flow <500 see & Basis rence Title se & Basis r Examination Facility Exam Bar mments	vsical conn tep 2 RNO. on AFW flc 0 gpm anti 1	ections and/or Maintain tota w rates. (B) ( <u>INN fevels are</u> Facility R 1BwEP ES-0	cause-effect relatio	nships between Auxi n until NR levels are - 25% level & 500 gr t - cannot reduce Af Reference Secti	iiary / Emerge	ast one SG. T gh. (C) Incorr gpm anti-NR IE No. Revi 100	er System a	nd the
KA Sta Explar Answe Reactor Materiz Question Question	atement:: Kr fol RC nation of pe ers: 155 Refe or Trip Respon al Required fo on Source: on Source Co	owledge of the phy lowing: S TBWEP ES-0.1, st strictions are place of the AFW flow <500 see & Basis rence Title se & Basis r Examination Facility Exam Bar mments	vsical conn tep 2 RNO. on AFW flc 0 gpm anti 1	ections and/or Maintain tota w rates. (B) ( <u>INN fevels are</u> Facility R 1BwEP ES-0	cause-effect relatio	nships between Auxi n until NR levels are - 25% level & 500 gr t - cannot reduce Af Reference Secti	iiary / Emerge	ency Feedwat	er System a	nd.the
KA Sta Explar Answe Reactor Materiz Question Question	atement:: Kr fol RC nation of pe ers: 155 Refe or Trip Respon al Required fo on Source: on Source Co	owledge of the phy lowing: S TBWEP ES-0.1, st strictions are place of the AFW flow <500 see & Basis rence Title se & Basis r Examination Facility Exam Bar mments	vsical conn tep 2 RNO. on AFW flc 0 gpm anti 1	ections and/or Maintain tota w rates. (B) ( <u>INN fevels are</u> Facility R 1BwEP ES-0	cause-effect relatio	nships between Auxi n until NR levels are - 25% level & 500 gr t - cannot reduce Af Reference Secti	iiary / Emerge	ast one SG. T gh. (C) Incorr gpm anti-NR IE No. Revi 100	rer System a	nd.the

	h of the following loads wil	l draw the large	st running an	nperage?			- (				
	ાં ભારતું <b>ક</b> ું છે. આ ગામના સ્ટાર્ગ	She Gooda a			· · · ·	sametin (r. 18	•		· .		
a.,	1A MCR Chiller	atriania.		5 <b>* 16</b> 50	ersiyersenin	u: Namaran (Jaco)	Í SEANNÍ	na liku 1944 zati	· · · · · · · · · · · · · · · · · · ·	- ANI - G. NR -	1949
	1A RCFC	le the filter weer	bit management (e. )	and other the	WHAT REPORT	er in der	W. S. Cooke	ana	mitte no inclu	Anto manuran	
<b>c.</b>	1A SX Pump						Sec. Buch	which the state of the	人名法格尔氏 计机关门		
d.	1A CV Pump		**********								ero:
				uat Satisticas				<sup>10</sup> -Elasta	. Min n Helle 7 .	ennes	
Answei			itive Level	Memory	Fa	cility: Braidwo	od	Exam	Date:	7/	19/(
	062000A301 A3.01	Electrical Distrit	Value: 3.0	SRO Valu	le: .3.1	Section: SYS	RO	Group:	2 SRC	D Group:	Γ
KA Stat	A service in round to HIOHITO					n inciliaina					
Explana Answer	Vital ac bus am	iller draws 47	amps (B) loc	orrect - RCFC s 63 amps	draws 14 a	mps (Lo speed s	lart as allo	S. (	in the second	ter in the second	6-20 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
Explana Answer	Ation of A Incorrect - cf s: draws 156 amps Reference Title	niller draws 47 c s: (D) Incorrect	amps (B) Inc 1A CV draw Facility	orrect - RCFC s 63 amps Reference N	draws 14 a	in a saint that the	lart as allo	S. (	(C) Correct	t - 1A SX	i i i i V V V V VIII V VIIII
Explana Answer Loss of	All AC - Contingency Proc	niller draws 47 c s: (D) Incorrect	amps (B) Inc 1A CV draw Facility	orrect - RCFC s 63 amps Reference N	draws 14 a	mps (Lo speed s	tart as allo	wd in 0.0)	(C) Correct	t - 1A SX	ber
Explana Answer Loss of	Ation of A Incorrect - cf s: draws 156 amps Reference Title	niller draws 47 c s: (D) Incorrect	amps (B) Inc 1A CV draw Facility	orrect - RCFC s 63 amps Reference N	draws 14 a	mps (Lo speed s	tart as allo ion	wd in 0.0) Page No.	(C) Correct	t - 1A SX	ber
Explana Answer Loss of J	All AC - Contingency Proc 4KV ESF Bus	edure	amps (B) Inc 1A CV draw Facility	orrect - RCFC s 63 amps Reference N	draws 14 a	mps (Lo speed s Reference Sect steps 21,40,18,2	tart as allo ion	wd in 0,0) Page No	(C) Correct Revision	t - 1A SX	ber
Explana Answer Loss of Loss of Material	All on of s:       (A) Incorrect - ch draws 156 amps         Reference Title         All AC - Contingency Proc         4KV ESF Bus         Required for Examination	iller draws 47 e s (D) Incorrect edure	amps (B) Inc 1A CV draw Facility 1BwCA-0.0	orrect - RCFC s 63 amps Reference N EC-3	draws 14 a	mps (Lo speed s Reference Sect steps 21,40,18,2	tart as allo ion	wd in 0,0) Page No	(C) Correct Revision	t - 1A SX	ber
Explana Answer Loss of Loss of Material Question	All ac bus and ation of s:       (A) Incorrect - ch draws 156 amps         Reference Title         All AC - Contingency Processory         4KV ESF Bus         Required for Examination         n Source:	iller draws 47 e s (D) Incorrect edure	amps (B) Inc 1A CV draw Facility 1BwCA-0.0	orrect - RCFC s 63 amps Reference N	draws 14 a	mps (Lo speed s Reference Sect steps 21,40,18,2	tart as allo ion	wd in 0,0) Page No. 8	(C) Correct Revision 100wog1 56	L-1A SX	ber
Explana Answer Loss of Loss of Material Question	All on of s:       (A) Incorrect - ch draws 156 amps         Reference Title         All AC - Contingency Proc         4KV ESF Bus         Required for Examination	iller draws 47 e s (D) Incorrect edure	amps (B) Inc 1A CV draw Facility 1BwCA-0.0	orrect - RCFC s 63 amps Reference N EC-3	draws 14 a	mps (Lo speed s Reference Sect steps 21,40,18,2	tart as allo ion	wd in 0,0) Page No. 8	(C) Correct Revision 100wog1 56	L-1A SX	ber
Explana Answer Loss of Loss of Material Question	All ac bus all provide a coust of sector of sector of sector of sector of sector of the sector of	iller draws 47 e s (D) Incorrect edure	amps (B) Inc TA CV draw Facility 1 BwCA-0.0 1 BwOA EL	orrect - RCFC s 63 amps Reference N EC-3 dification Me	draws 14 a	mps (Lo speed s Reference Sect steps 21,40,18,2 step 5 attach A	tart as allo ion	wd in 0,0) Page No. 8	(C) Correct Revision 100wog1 56	L-1A SX	ber
Explana Answer Loss of Loss of Material Question	All ac bus all provide a coust of sector of sector of sector of sector of sector of the sector of	iller draws 47 c	amps (B) Inc TA CV draw Facility 1 BwCA-0.0 1 BwOA EL	orrect - RCFC s 63 amps Reference N EC-3 dification Me	draws 14 a	mps (Lo speed s Reference Sect steps 21,40,18,2 step 5 attach A	tart as allo ion	wd in 0,0) Page No. 8	(C) Correct Revision 100wog1 56	L-1A SX	ber

	NO	SkyScraper	SRO Skyscraper	RO System/Evolution	1 List SRO System	n/Evolution List Outlin	ne Changes	1	Chune 270
	Ques	stion Topic	A.C. Electrical Dist	tribution System				3	
	A rea The a	actor trip has ju automatic bus t	st occurred on Uni ransfer (ABT) faile	t 1 d to operate for Bus 15	6				
1	Whic	h of the followi	ng loads is now un	available?					
									······································
			· · · · · · ·						
	а.	1A Motor Driv	en Main Feed Pun	np - as a second and a second and	a, en	alanda Bharts i maintean san s Naithean shart a	1) (* 11) (* 11) 11 (* 11) (* 11)	e server en en e suis suis suis suis suis suis suis su	
	b.	1A Startup Fe	edwater Pump	1994 - Eric Strage (1995) - 1995 I	l en doord dreadensee.	etro er Til træktron.	that Saturday of	ે નાં દેવે વેલ્લાના ગામ	And the state of the second second
	c.	1A Condensa	te Pump		*****			ooloo, ing ita yiyiyi T	
	d.	1A Heater Dra	ain Pump						
	hswe	r a Ex	am Level B	Cognitive Level	Application	Facility: Braidwood	Exam	Date:	7/19/02
	<b>(A:</b> ]	062000K201	K2.01	RO Value: 3.3	SRO Value: 3.4	Section: SYS	RO Group:		) Group: 2
200	ystem	n/Evolution Tit	le A.C. Electric	al Distribution					
ľ	A Stat	tement: Kno	wledge of bus pow						
				er supplies to the follow	ving:		e in 1 April 1 and		
		Majo	or system loads Correct - powered f	from 156 (B) Incorrect	- startup FM/P from 15	9 (C) Incorrect 14 CD/C		ىلىدى <u>ئىلى ئە</u> ت	Received and
		Majo	or system loads Correct - powered f	from 156 (B) Incorrect	- startup FM/P from 15	9 (C) Incorrect - 1A CD/C		ىلىدى <u>ئىلى ئە</u> ت	Received and
	nswer	Majo ation of (A) ( from Refer	or system loads Correct - powered f	from 156 (B) Incorrect	- startup FWP from 15 Reference Number	9 (C) Incorrect - 1A CD/C	:B from 159 (I	D) Incorrect	- 1A HDP
	nswer	Majo ation of rs: from	or system loads Correct - powered f 157	from 156 (B) Incorrect	- startup FWP from 15 Reference Number	9 (C) Incorrect - 1A CD/C	:B from 159 (I	D) Incorrect	Received and
	nswer	Majo ation of (A) ( from Refer	or system loads Correct - powered f 157	from 156 (B) Incorrect	- startup FWP from 15 Reference Number	9 (C) Incorrect - 1A CD/C Reference Section	B from 159 (I	D) Incorrect	- 1A HDP
	C Dist	Maja	or system loads Correct - powered f 157 ence Title	from 156 (B) Incorrect	- startup FWP from 15 Reference Number	9 (C) Incorrect - 1A CD/C Reference Section	B from 159 (I	D) Incorrect	- 1A HDP
	nswer C Distr aterial	Maja ation of (A) ( from Refer ribution LP	or system loads Correct - powered f 157 ence Title Examination	Facility	- startup FWP from 15 Reference Number	9 (C) Incorrect - 1A CD/C Reference Section	B from 159 (I Page No: 29,30	D) Incorrect	- 1A HDP
	nswer C Distr aterial	Maja ation of (A) (A) (rs: Refer ribution LP Required for n Source:	or system loads Correct - powered f 157 ence Title Examination Facility Exam Ban	Facility I Facility I I1-AP-XL-01	- startup FWP from 15 Reference Number	9 (C) Incorrect - 1A CD/C Reference Section	B from 159 (I	D) Incorrect	- 1A HDP
	nswer C Distr aterial	Maja ation of (A) ( from Refer ribution LP	er system loads Correct - powered f 157 ence Title Examination Facility Exam Ban	Facility I Facility I I1-AP-XL-01	- startup FWP from 15 Reference Number	9 (C) Incorrect - 1A CD/C Reference Section	B from 159 (I Page No: 29,30	D) Incorrect	- 1A HDP
	nswer C Distr aterial uestion	Maja	or system loads         Correct - powered f         157         ence Title         Examination         Facility Exam Bank         iments       2001 Bw	Facility I Facility I I1-AP-XL-01	- startup FWP from 15 Reference Number	9 (C) Incorrect - 1A CD/C Reference Section II II Direct From Source	B from 159 (I Page No. 29,30	D) Incorrect	- 1A HDP
	nswer C Distr aterial uestion	Maja	or system loads         Correct - powered f         157         ence Title         Examination         Facility Exam Bank         iments       2001 Bw	Facility I Facility I I1-AP-XL-01	- startup FWP from 15 Reference Number	9 (C) Incorrect - 1A CD/C Reference Section II II Direct From Source	B from 159 (I Page No. 29,30	D) Incorrect	- 1A HDP
	nswer C Distr aterial uestion	Maja	or system loads         Correct - powered f         157         ence Title         Examination         Facility Exam Bank         iments       2001 Bw	Facility I Facility I I1-AP-XL-01	- startup FWP from 15 Reference Number	9 (C) Incorrect - 1A CD/C Reference Section II II Direct From Source	B from 159 (I Page No. 29,30 Used Durin	D) Incorrect	- 1A HDP
	nswer C Distr aterial uestion	Maja	or system loads         Correct - powered f         157         ence Title         Examination         Facility Exam Bank         iments       2001 Bw	Facility I Facility I I1-AP-XL-01	- startup FWP from 15 Reference Number	9 (C) Incorrect - 1A CD/C Reference Section II II Direct From Source	EB from 159 (I Page No. 29,30	D) Incorrect	- 1A HDP

n na na na Sina Santa Na Santa Na Santa Na Santa Na Santa Na Santa Na Santa

ی مدیر میلاد ۱۹۹۰ - ۱۹۹۰ ۱۹۹۰ - ۱۹۹۰ - ۱۹۹۵ ۱۹۹۰ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹

90

	RO SkyScraper SRO Skyscraper Question Topic D.C. Electrical Distribu		n/Evolution List	ine Changes	<u></u>	0 m - 774
	Which of the following describes how a Re when the loss of control power occurs)	actor Trip Breaker will respond to a LOS	S of 125 VDC control po	wer? (Assume #	ne breaker is close	d
			*****			
• • •	[50/200]					
5 <b>***</b>	a Trips OPEN due to loss of power to t	the SHUNT coil.	<ul> <li>Source of the set of</li></ul>	ing the second	الم معرورة العربات الفاقلين روحيات وال	ting parasi
	<b>b.</b> Trips OPEN due to loss of power to t	he UNDERVOLTAGE coil	<ul> <li>A transmission of the second seco</li></ul>			
•• ••	c. is NOT capable of tripping on a SHU	NT trip				]
	<b>d.</b> is NOT capable of tripping on a UND	·				
		-				
			Facility: Braidwood	ExamD	ate:	7/19/02
	KA: 063000K201 K2.01 K2.	RO Value: 2.9* SRO Value: 3.1*	Section: SYS	RO Group:	2 SRO Group	» <u>1</u>
	KA Statement: Knowledge of bus power su			4		63
1. (**	Major dc loads		a statute in de la marchaele en els			-
ŀ	Answers: power from SSPS	unt coil is normally de-energized. B. & D.	incorrect beause the un	idervoltage coil i	s supplied with 48	v []
	Reference Title	Facility Reference Number	Reference Section	Page No.	Revision L.O. N	
~	Electrical Prints Solid State Protection System	20E-1-4030-RD6	] N/A		P	
		<u> 11-RP-XL-04</u>		9,17	0 4,10	
Ĺ	Material Required for Examination			] ]		
1-	Question Source: Facility Exam Bank	Question Modification Method:				
				Used During	Training Progra	
_ ا		RC. 1998 Calloway NRC Exam		······································	***************************************	
	Question Source Comments 2000 Bwd NF	RC. 1998 Calloway NRC Exam				
	Question Source Comments 2000 Bwd NF	RC. 1998 Calloway NRC Exam			eviews Complete	
	Question Source Comments 2000 Bwd NF	RC. 1998 Calloway NRC Exam		Pe	er 🗌	
	Question Source Comments 2000 Bwd NF	RC. 1998 Calloway NRC Exam		Pe		

	EC		500K	onizing an V by goin	g to		or	n the Die	esel Ger	nerator		(2)	'	эу апс	er closu	ng the	genera	ator out	tput brea	iker, loa	d the	
4	<b> </b>	/	1)			_(2)																
7	a	F	Raise	i de secto	Go	vernor A	djust C	Control	<sup>a</sup> di Sat	Sec.78	i traistai	sie weinen	etter.	·····		· · · ·	ે.લોઝ	her kerv	าะให้ส่งเส			
	b	,   	Raise	i staninetti						14 1	* 17 pr - 1 - 1					1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1		المرقب الربوا ماما	and the second		
		1		1 810-0208		iage Auj		nuor	0-90-424 <b>5</b> 5	1997anaa	antenar.	sel di ett	R Sheeda S	anderi Karen	àge (n	terra Distanción	entipas. Antone	e Sekrete Anter en	l De BALL	<b>19</b> 88/0001	গাঁড়চনা ব	n de la composition de la comp
9	C		ower.		Gov	emor Ad	just Cc	ontrolasi	Storage	and the	in Rozar	volen ja Riga	1:::{SQ13:	Being	uzionsiż	(Justice) (Justice)	200249-340	netterten			Nadata	
	d		ower	***		age Adju		****		****												
	6.22			-										j¢.	<i>યુંત:ે</i> .કેટ.		eritäristeri)					
12	Ansv		1	Exam				nitive L	evel	Applic	ation	]	Facilit	<b>y:</b> B	raidwo	od ,		Exam	Date:		7/19	9/0:
		f	4000A		······································	8	· <u>Lasas</u>	Value:	a 1		) Value		-	tion:	SYS		RO Gro	oup:	2	SRO Gro	oup:	- 2
				on Title		rgency [									4		<u>.</u>	1.0	16 - BEF	WARDEN .	064	
			ment:	Ability to includin	o predic a:	t and/or	monito	or chang	es in pa	aramete	ers asso	ociated	with op	erating	the Er	nergei	ncy Die	sel Ge	nerators	control	S Pupelous	i26+
يىر چىر »	4		1998) - 1993 - 1993 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994 - 1994	Maintair	ning mi	nimum lo	oad on I	ÉD/G (t	o prever	nt revei	rse pow	/er)	in de la composition br>Composition de la composition de la comp	ania. Katatti a					<u>na serie de la composición de la compo Este composición de la /u>	الم المراجع ال مراجع المراجع ال	1-3-11-01-	-
	Expla Ansv		on of																			
		î și j	9949 1997	(ng katagar	Ale Fis	rei an	àdhram) A		1.264	NAME OF	3425.395	Ministra III		TRE THE UNITED ST	in traity Métrice	19.17 <b>(3</b> 19.746 m	r. Armetri Al-			tere a	an a	
				Referenc Startup	<u> </u>		S			1010101	nce iaŭ	mpei	Ref	erence	Secti	on *	Pag	e No.	Revisi	on L.O	. Numb	er
								BwO	P DG-1	1	39.034 		F			17.00. 	13		23			
ľ	• •			· · · · · · · · · · · · · · · · · · ·																		
IN.	later	ial R	equire	d for Exa	iminafi	on	<u>:</u> I									i		l		]		
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		: Nev				Ou and					*						<u>.</u>			
1000				Comme				Questi	on woa	Incatio	n Meth	iod:	<b>[</b>				Usec	Durin	g Train	ng Prog	ram	
				oonine		F-104										•				*****	*****	
		nent	Туре	Comme	ent																I	
	<b>ONU</b>					<u>198</u>							<u></u>				<u> </u>	=   _		Comple	ete .	
				[															eer			
																		] [2	upervis	ory	1	
	Contra		I															ĪĒ	acility	Π		

	what	TWO conditio	ns will INDEP	ENDENTLY	cause automat	tic closure of	Liquid Rad	vaste Release	Tank Disc	harge Key L	ocked Valvo	e 0WX353?
-1												
	· · · · · · · · · · · · · · · · · · ·						<b>.</b>					
	a.	Low circulatin	ig water blowd	lown flow an	d high radiation	n sensed in t	he CW blow	down flow	• ·		S STREET	at krasite the
ala an Kajos	<b>b.</b>					<u>A 1977 (1977)</u>	and see the	enter de la company en	7	1. 1. 1. 1. 1. 1. 1. <b>1</b> . 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		
				man and the second s	والمتجامع يتدحن فترض المناجع والمتحد والمتحد	Second Second Second	والإشرور والأواليورجيا الرواقية إرار	والمحاربة والمحتين والمحتين المسترجان المحا		\$ 17.7 MERCANNER DAK	See and moundary life	
	<b>c.</b>	High release	header flow an	nd high radia	tion sensed in	the release h	eader eac	andradicto e ve	Laga Bize	risidensis	S. C. W. C.	
					tion sensed in						- 4 - 4 - 4 - 4 4 4 	
.					uon sensed in		down flow		2	1418) (A. 1669) 	. a Abeirtany	an a
	nswer	b Ex	am Level B	Cogi	nitive Level	Memory		cility: Braid	wood	s Exam	Date:	7/19/0
K	A: 0	68000A404	A4.04	RO	Value: 3.8	SRO Valu	e: 3.7	Section: S	YS   R	O Group:		O Group:
Sy	ystem.	/Evolution Ti	le Liquid F	adwaste Sy	stem		1 - <b>(</b> 5076)a	and the second	<b>E</b>			068
K/	A Stat	ement: Abil	ity to manually	operate and	l/or monitor in t			and the second s		2 P		
	mlana	1.00	smalle isolalioi				Salah Andreas	والأستندية مراجعات	2 S. 1 J. 1 1	المراجع والمعاد المعاد		<u>्राष्ट्र</u> स्वर्थन्त्र स्वर्थन्त्र स्वर्थनन्त्र स्वर्थन्त्र
Ār	nswer:	s:	BWOP WX-52	611, (B) is or	nly correct com	hingtion	terature et al.		HA CHE	A ANA ANA ANA ANA ANA ANA ANA ANA ANA A	interior interior	W. P. Althouse
			ence Title		ي و المعرية الم المعرية المعرية (1974) والموالية المحاد ومن المحادث المحادث المحادث	Section 1.	an and a state and a state of a state of a					
Lic					BwOP WX-5	Reference N		Reference Se	ction	Page No.	Revision	L.O. Number
-1						2011		E,G		22,33	18 <u>- 18</u>	and the star of the second sec
					J				<u>819 - 191</u>			
Ma	nterial	Required for	Examination				J			[]		<u></u>
			Facility Exam		×						-	
	18 AG	Source Com		[	Question Mod	ification Me	thod: E	ditorially Modif	ied	Used Durin	ng Training	Program
	estion	Source Con	iments 199	9 Bwd NRC								*****
	mmon	t Type Cor										
	mnen		mment	in an					1		Reviews Co	mplete
1		<b> </b>									eer	
			****								Supervisory	
		11									acility	

a.	n en trat e forsefergegene e		•	
		an a	Manazina di tana ang saka	
<u>b.</u>	25 mrem	an a		in the second
c.	12.5 mrem			
d,	10.5 mrem			
Answe				
		nitive Level Application Facility: Braidw	vood Exami	Date: 7/19/02
		Value: 2.6 SRO Value: 2.6 Section: SY	S RO Group:	1 SRO Group: 1
	m/Evolution Title Liquid Radwaste Sy			
KA Sta	atement: Knowledge of the operational Units of radiation, dose, and d	implications of the following concepts as they apply to the second second second second second second second se	ne Liquid Radwaste Sy	/stem:
	L	ose rate Omrem if done in 20 minutes. Savings of 75-50=25 mrer	· · · · · · · · · · · · · · · · · · ·	
Answe	rs:		n (B) Correct	an a
	Reference Title	Facility Reference Number Reference Sec		
Health	Physics / NGET		tion Page No.	Revision L.O. Number
1	otestis - 1 D			8
Rad Pro		Practice proble	ms   1-35	
1		Practice proble	ms 1-35	
Rad Pro	I Required for Examination		<u>ms 1-35</u>	
Rad Pro	I Required for Examination			
Rad Pro	I Required for Examination	Question Modification Method: Editorially Modifie		g Training Program

lao

	relief	n of the following R valve lifting?	REDUCES the possib	pility of an unintentiona	I radioactive relea	se to the atmosphere from	a Waste Ga	as Decay Ta	ank (WGDT)
				****					
_1	ĺ								
	Description -								
	a.	OGW014, Waste	Gas Discharge valve	e, will close automatica	Illy on detected high	h radiation in the discharg	e header, is	olating the r	elief path
ан ул 2011 - 17 2011 - 17	<b>b.</b> ]			and the second	타네 방법에서 지금 가장 비가 있는 것이 없다.	이 같은 것은 것은 것이 가지 않는 것은 것이 없어. 지수는		1. State 1.	and the state of the state of the
				and the second	en 1994 - State	d from the online tank dire	وتبار فالمنعجون بطيسمو فالاعتان	ta da serie de la faire	<ul> <li>A second states of the second state</li> </ul>
	: . <b>c.</b>	The waste gas Co.	mpressor discharge	pressure is automatic	ally limited to less	thân the WGDT relief valv	e pressure s	etpoint	and the second second
					and the second se		1		
				on high pressure isola	iting the on-line W	GDT and directing flow to	the standby	WGDT	i ili sometti
	Answei	r d Exam L	evel B Co	gnitive Level App	lication	acility: Braidwood	Exami	Date	7/19/02
[	KA:	071000K305	K3.05 R	O Value: 3.2 SR	O Value: 3.2	Section: SYS R	O Group:		
	System	/Evolution Title	Waste Gas Dispos			The second se			Group: 1
	KA Stat	tement: Knowled	ge of the effect that a	a loss or malfunction o	f the Waste Gas I	lisposal System will have	o.o. fla a f a 11 a		071
بر ۱۳		ARM and	a rittin systems		والمراجع والمراجع والمحاوية	and the second second second second	S. S. M. S. Samer and		
	Evelow	1 (D) 0		HILLIN' SWITCHON AN H	an mean in (A)			The second s	
	Explana Answer		h is not isolated (B) I	ncorrect - discharge is	to the plant vent	C) incorrect discharge at	ge downstre	am of OVVX	VIA SU IIIE
	Answer	s: 1 relief pat	UII (lank licadei)	got	to are plant vent	C) incorrect - discharge of	the compre	ssor has no	affect on
	Answer	s: trelief pati	UII (lank licadei)			C) Incorrect: discharge of	the compre	ssor has no	affect on
	Answer:	s: relief pati the such Reference s Radwaste LP	un (lank header)	Facility Refer	ence Number	C) Incorrect: discharge of	Page No.	ssor has no Revision	affect on
	Answer	s: relief pati the such Reference s Radwaste LP	Title	Facility Refer	ence Number	C) Incorrect: discharge of		Revision	affect on
	Answer:	s: relief pati the such Reference s Radwaste LP	Title	Facility Refer	ence Number	Reference Section	Page No.	ssor has no Revision	affect on
	Answer Sie State Gaseous Bwd Big	s: relief pati the such Reference s Radwaste LP	on (ann fieader)	Facility Refer	ence Number	Reference Section	Page No.	Revision	affect on
	Answer Gaseous Bwd Big Material	s: relief pati the such Reference s Radwaste LP Notes Required for Exar	Title mination	Facility Refer	ence Number	Reference Section	Page No.	Revision	affect on L.O. Number 6,10
	Answer Sisteria Gaseous Bwd Big Material Question	relief pati the succit Reference s Radwaste LP Notes Required for Exar n Source: Facil	mination	Facility Refer	ence Number	Reference Section	Page No.	Revision	affect on L.O. Number 6,10
	Answer Sisteria Gaseous Bwd Big Material Question	s: relief pati the such Reference s Radwaste LP Notes Required for Exar	Title	Facility Refer	ence Number	Reference Section	Page No.	Revision	affect on L.O. Number 6,10
	Answer Sisteria Gaseous Bwd Big Material Question	S: relief pati tite suction Reference s Radwaste LP Notes Required for Example n Source: Facility n Source Commen	mination	Facility Refer	on Method:	Reference Section	Page No.	Revision 0 0 g Training	affect on L.Ö. Number 6,10 Program
	Answer Signal Gaseous Bwd Big Material Question	relief pati the suction Reference s Radwaste LP Notes Required for Exam Nource: Facil Source Commen	mination	Facility Refer	on Method:	Reference Section	Page No.          12-14         Used Durin	Revision	affect on L.Ö. Number 6,10 Program
	Answer Signal Gaseous Bwd Big Material Question	S: relief pati tite suction Reference s Radwaste LP Notes Required for Example n Source: Facility n Source Commen	mination	Facility Refer	on Method:	Reference Section	Page No.          I2-14         Used Durin         R	Revision	affect on L.O. Number 6,10 Program
	Answer Signal Gaseous Bwd Big Material Question	S: relief pati tite suction Reference s Radwaste LP Notes Required for Example n Source: Facility n Source Commen	mination	Facility Refer	on Method:	Reference Section	Page No.	Revision	affect on L.O. Number 6,10 Program

		stion Topic	•			(ARM) Syste		711						
	simu	ultaneously	reach the	ir actuation	setpoints.	NCREASEL	causing BO	H Fuel Hand	dling Incide	nt radiation mc	onitors (AR05	5 and AR	056) to	
	Whit	ch of the fol	lowing wo	ould AUTO	MATICALL	Y occur due	to this condit	ion?						
$\sim$	1													
	· · · ·	à ( <u></u>		······					•					· · ·
i di su	a.	B Train F	HB Char	coal Booste	er Fan starts	s, then A Tra	iin FHB Char	coal Booster	Fan starts.	Norman and Anna and A			eitennen († )	
H 63 5 11 16 16 16 16	b.	B Train F	HB Char	coal Booste	r Fan will s	tart ONLY if	A Train has:	ailed to start.	Sectional	N MART STAND	onto Maria	<b>A</b> Fictor		attaine la come
in states in the	<b>c.</b>						and the last state of the	all - roll and and a solar solar is the	a national duties	oossi kalinteesi oossi firinteesi	ما مربعها الالبلا بأني المالية والألام فيأتوني	ويها ويتشارك والانتخاص	โลยีสามราชสาวสารณา	1852 A.
·····································	d:	**************************************						ailed to start.						
· · · ·								alled to start.		1	1921 - Adda Silf 1941 - Sectional State	ANY SAN BY	n Constantino de la c	2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
÷	Answ KA:	er d 072000A3	Exam L			itive Level				raidwood	Exam	Date:	7/	/19/02
		m/Evolutio	and the second	·		Value: 2.9		lue: 3.1	Section:		O Group:		RO Group:	
	KA St	atement:	Ability to	monitor au	tomatic ope	erations of th				2 22:0-20:11 - 2	n de la companya de l La companya de la comp			erining in finit
n itter opri Prakikalako	Exolar	]	Changes	in ventilati	on alignme	nt	· · · · ·	14.52 B	ta a bite ar	NARRA AND ST		-	i sett nær f ski Ville skalast	Fireira an
			· · · · · ·	an interloci al înst. D. (		prevent bot the start of	h trains from A Train. B. II	starting. B Transformed and the starting of th	ain gets a s the reverse	tart signal first.	When it star ect answer. (	ts, it's dar 2. Incorrec	npers ≿t - B gets th	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
		R	eference	Title		Facilit	v Reference	Number	Reference	e Section				
	Norse	Notes Aux	Bidg Ven		NY AGEN		a setteran		FHB Inter		Page No.	Revisio	n L.O. Num	iber
	System	n LP CH 43	A		n n n n n n n n n n n n n n n n n n n	[	tit te series i				11,34,35			
• • •		1.0								]		[	]	
	C	al Required												
	C	on Source: on Source		pitrus and a second	Bwd NRC		odification M	lethod: [	Direct From	Source	Used Durin	g Trainin	g Program	
	Comme	ent Type	Comme	nt							F	eviews C	omplete	
												eer		
									<u> </u>			uperviso acility		
												RC 🗌	L ·	
											······································			II

T	<u>ananannan</u>	SkyScraper tion Topic	SRO Skyscrape Area Radiation			SRO System/I	Evolution List	line Chan	les	Gloss	775
ļ					uel Handling Incident Trair		itor, has failed causing	g the outpu	t of the monit	or to go high.	
1	Which	n of the follo	wing automatic ac	tions will o	ccur as a result of this failu	ire?					
	a.	OVA04CA,	Fuel Handling Ch	arcoal Boo	ster Fan is started		e i ser ser a ser en ser	et general and	odreaue e do	n na star	
	<b>b</b> .	1VQ004A, (	Containment Mini	Flow Purg	e Supply Isolation Valve is	closed			Ang sang sa sig		
				****			· · · · · · · · · · · · · · · · · · ·	Lassie de la composition Status	n de la composition de La composition de la c	n e standar. L	9673.0
	Ċ.	1VQ003, Po	ost LOCA Charco	al Filter Iso	ation Valve is opened						
	d.	1VQ003C, I	Post LOCA purge	exhaust fa	n is started						
	Inswer	b	xam Level B	Coa	nitive Level Memory						
	<b>A:</b> ] [0	072000K401					acility: Braidwood		xamDate:	7	/19/02
622		/Evolution			Value: 3.3* SRO Val	ue: 3.6*	Section: SYS	RO Gro	up: 1	SRO Group:	l
K	A Stat	ement: Ki			sign feature(s) and or inter	lock(e) which	provide for the fellow			072	
			untainment ventila	tion isolati	on	e an an Ardana	e tra constante e transferencia de la	a a ann tain thair		eksi esterretari eta eksi esterretari	
	xpiana nswer	ition of (A s: ge	<ul> <li>incorrect - this family incorrect - the family incorr</li></ul>	an is starte ncorrect - t	d via AR055&56 skids, not hese receive no auto actu	AR11 Lor 12	(R) Correct this is	part of the	cnmt isolatio	n signal	enge et []
r I			erence Title								
{		nnunciator			BwAR 4-1AR011J	Number	Reference Section	Page		ion L.O. Nu	nber
		Notes - Cnr	***		VP-2	/	<u>D</u>		2 5		
[						]					
M	aterial	Required for	or Examination							/ [	
Q	uestion	n Source:	Facility Exam E	ank	Question Modification M	ethod: S	Bignificantly Modified	Used	During Train	ing Program	
Qi	estior	n Source Co	omments								
				*****			· · · · · · · · · · · · · · · · · · ·				]
	mmer	nt Type C	omment	9	an nu tha an				Reviews	Complete	
									Peer		
									Supervis	ory	
							,	<u></u>	Facility NRC		
						*****					]]

. . . ... . . . ...

103

Which of the following procedures must be used to continue the post SGTR cooldown and recovery actions from this point?         1BwEP-3, SGTR* must be continued until conditions exist for establishing RHR studiown cooling         1BwEP ES-3.1, "Post-SGTR Cooldown Using Backfill* must be used quickly to recover Pzr level and subcooling         1BwEP ES-3.1, "Post-SGTR Cooldown Using Steam Dumps" must be used quickly to recover Pzr level and subcooling         1BwEP ES-3.1, "Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery         IbwEP ES-3.1, "Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery         IbwEP 2S-3.1, "Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery         IbwEP 2S-3.1, "Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery         IbwEP 2S-3.1, "Rot-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery         IbwEP 2S-3.1, "Rot-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery         IbwEP 2S-3.1, "Rot-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery         IbwEP 2A-3.1, "Sott With Loss of Recover 2D SGTR Rot-SGTR Cooldown Method, is the LAST step in EP-3, There is no continuation from Introver as a set of with two set CPM rot-out as steam dump system. (C) Cortect: extremised to CA-3 twith the loss of subcooling. (C)         IbwEP 2D S SGTR       IbwEP 2D SGTR Rot-SGTR Rot-Coloren Rot-SGTR Rot-Continue Steam dump system. (C) Cortect: extremised to C)	Questio	n Topic	Circulating Wate	r System					111
A reactor fr/ / Unitine trip was manually initiated by the operators     During performance of BaseDo, a SGT excerned on the TB steam generator     The require?     The require?     The require?     The RCS cockdown and depressureation steps to equalize RCS and ruptured SG pressure     The RCS cockdown and depressureation steps to equalize RCS and ruptured SG pressure     The RCS cockdown and depressureation steps to equalize RCS and ruptured SG pressure     The RCS cockdown and depressureation steps to equalize RCS and ruptured SG pressure     The RCS cockdown and depressureation steps to equalize RCS and ruptured SG pressure     The RCS cockdown and depressureation steps to equalize RCS and ruptured SG pressure     The RCS cockdown and manual statistical and steps to the subcoching was lost     Additional ECCS memory have been statistical and steps to the subcoching is not recovering     Which of the following procedures must be used to confluxe the post SGTR cockdown and recovery actions from this point?     The RCS 3.1, "Peak-SGTR Cockdown Using Back@P must be used at sthis is the preferred method of recovery     TextCA.1, SGTR Wink Loss of Reactor Cocient, Subcooled Recovery Desired" is the only option available and must be implemented     Sectore     Tob CRTR Wink Loss of Reactor Cocient, Subcooled Recovery Desired" is the preferred method of recovery     TextCA.1, SGTR Wink Loss of Reactor Cocient, Subcooled Recovery Desired" is the only option available and must be implemented     Sectore     Tor Cocient and strangers (C) Cocient (C) Recovery     Tor Cocient (C) Recovery     Tor Cocient (C) Recovery (C) Recovery (C) Recovery (C) Recovery     Tor Cocient (C) Recovery     Tor Cocient (C) Recovery     Tor Cocient (C) Recovery     Recovery (C) Recovery (C) Recovery (C) Recovery     Recovery (C) Recovery (C) Recovery     Recovery (C) Recovery (	The follo	owing cond	litions exist on Un	it 1:					
A reactor is // further tip was manually initiated by the operators     During performance of BayeRD, a SGTR coursed on the B steam generator     The crew transitioned to and performed actions contained in 18wEP-3, "Steam Generator     Tube Reputed"     The RCS cockdown and depressurization steps to equalize RCS and ruptured SG pressure     have been completed     Silves terminated and the crew is now investigating the appropriate postSGTR cooldown     Which of the following procedures must be used to continue the post SGTR cooldown and recovery actions from this point?     The RCS 1, "PostSGTR Cooldown Using Backfill" must be used as fulls is the preferred method of recovery     Tell RCS 1, "PostSGTR Cooldown Using Steam Durings" must be used as fulls is the preferred method of recovery     Tell RCS 1, "SoTR Wink Loss of Reactor Coolant, Subcooling Was bet     Tell RCS 1, "PostSGTR Cooldown Using Steam Durings" must be used as fulls is the preferred method of recovery     Tell RCS 1, "SoTR Wink Loss of Reactor Coolant, Subcooled Recovery Desired" is the only option available and must be implemented     Reverse RCS 2, 4, RCVAture, 3, RCSVAture, 4, Steam Generator     Konveledge symptom based Coormitions of the steam generator     Reverse RCS 2, 4, RCVAture, 3, RCSVAture, 4, Steam Generator 2, RCSCR0ter, 2, Steam Generator     Reverse RCS Cooldown Using Steam Durings" Institue used as fulls is the preferred method of recovery     Tell RCLA, 1, SCTR Wink Loss of Reactor Coolant, Subcooled Recovery Desired" is the only option available and must be implemented     Reverse RCS (RCVAture, 3, RCVAture, 4, Steam Generator 2, Steam Generator 2, RCVAture, 4, Steam Generator 2, Steam Generator 2, RCVAture, 4, Steam Generator 2, RCVAtu	- A los intak	s of all Circ	culating Water Pu	mps has o	ccurred due to excessive grass colle	ection in the			
Total a partomano of 19xHz-0, a SOTR occurred on the 16 steam generator     Total Republic     Total Re	- A rea	ctor trip / t	urbine trip was ma	anually init	iated by the operators.				
The RCS and/outwand depressurization steps to equalize RCS and ruptured SG pressure     Sives terminated and the crew is now investigating the appropriate post-SGTR cooldown     while investigating cooldown options, RCS subcooling is not recovering.     Which of the following procedures must be used to confinue the post SGTR cooldown and recovery actions from this point?     Which of the following procedures must be used to confinue the post SGTR cooldown and recovery actions from this point?     If the following procedures must be used to confinue the post SGTR cooldown and recovery actions from this point?     If the FS-3.1, "Post-SGTR Cooldown Using Backfill" must be used quickly to recover Pzr level and subcooling     If the FS-3.1, "Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery     If the FS-3.1, "Sort With Loss of Reactor Coolant. Subcooled Recovery Desired" is the only option available and must be implemented     Knowed get SSTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery     If the FS-3.1, "Sort With Loss of Reactor Coolant. Subcooled Recovery Desired" is the only option available and must be implemented     Knowed get symptem based EOP millipation strailages     If the only option available and must be implemented     KAS standaments     (A) Informed - Step 38, Ob 6 Appropriate Post-SGTR Cooldown Method, Is the LAST step in EP-3. There is no continued in from     there where the standament of the following procedure is a standament of the standard of the	Dunn	ig performa	ance of 1BwEP-0.	a SGTR c	Courred on the 1B steam concreter				
Si was terminated aud the crew is now investigating the appropriate post-SGTR cooldown while investigating coldown options, RCS subcooling is not recovering. Which of the following procedures must be used to continue the post SGTR cooldown and recovery actions from his point?  Which of the following procedures must be used to continue the post SGTR cooldown and recovery actions from his point?  I sweP 5-3, "SGTR" must be continued until conditions exist for establishing RHR shutdown cooling I swet Post-SGTR Cooldown Using Backfill" must be used a public but to the following procedures must be used to continue the post SGTR cooldown cooling I swet Post-SGTR Cooldown Using Backfill" must be used as this is the preferred method of recovery I swet Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery I swet Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery I swet Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery I swet Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery I swet Post-SGTR Cooldown Using Steam Dumps" must be used to stable the only option available and must be implemented Serverse I swet Post-SGTR Cooldown Using Steam Dumps" Transite used I swet Post-SGTR Cooldown I steam Stea		Nuplure							
Si was terminated aud the crew is now investigating the appropriate post-SGTR cooldown while investigating coldown options, RCS subcooling is not recovering. Which of the following procedures must be used to continue the post SGTR cooldown and recovery actions from his point?  Which of the following procedures must be used to continue the post SGTR cooldown and recovery actions from his point?  I sweP 5-3, "SGTR" must be continued until conditions exist for establishing RHR shutdown cooling I swet Post-SGTR Cooldown Using Backfill" must be used a public but to the following procedures must be used to continue the post SGTR cooldown cooling I swet Post-SGTR Cooldown Using Backfill" must be used as this is the preferred method of recovery I swet Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery I swet Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery I swet Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery I swet Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery I swet Post-SGTR Cooldown Using Steam Dumps" must be used to stable the only option available and must be implemented Serverse I swet Post-SGTR Cooldown Using Steam Dumps" Transite used I swet Post-SGTR Cooldown I steam Stea	- The F	RCS cooldo	own and depressu	rization st	eps to equalize RCS and ruptured S	G pressure			
While investigating cooldown options: RCS subcooling use lost         Additional ECCS purposedures must be used to continue the post SCIR cooldown and recovery actions from this point?         Image: The the following procedures must be used to continue the post SCIR cooldown and recovery actions from this point?         Image: The the following procedures must be used to continue the post SCIR cooldown and recovery actions from this point?         Image: The the following procedures must be used to continue the post SCIR cooldown cooling         Image: The the following procedures must be used to continue the post SCIR cooldown cooling         Image: The the following procedures must be used to continue the post SCIR cooldown using Backfill' must be used as this is the preferred method of recovery         Image: The the following for the	11 1010	woon comp	pieleu						
Additional ECCS purposes have been started and adjingde, but subcooling is not recovering.     Minic of the following procedures must be used to continue the post SGTR cooldown and recovery actions from this point?     IBwEP 3.7SGTR 'must be confinued until conditions exist for establishing RHR shutdown cooling     IBwEP ES-3.1, 'Post-SGTR Cooldown Using Backfill' must be used quickly to recover Par fevel and subcooling     IBwEP ES-3.1, 'Post-SGTR Cooldown Using Backfill' must be used quickly to recover Par fevel and subcooling     IBwEP ES-3.1, 'Post-SGTR Cooldown Using Backfill' must be used quickly to recover Par fevel and subcooling     IBwEP ES-3.1, 'Post-SGTR Cooldown Using Backfill' must be used as this is the preferred method of recovery     IBwCA-3.1, 'SGTR With Loss of Reactor Coolant, Subcooled Recovery Desired' Is the only option available and must be implemented     Answer I Examitaevel S. Cooldown Using Starter Application     If and the start availer S. Cooldown Starter									1 - Marine States
Which of the following procedures must be used to continue the post SGTR cooldown and recovery actions from this point?         IBwEP-3 "SGTR" must be continued until conditions exist for establishing RHR shutdown cooling         IBwEP ES.3.1, "Post-SGTR Cooldown Using Steam Dumps" must be used quickly to recover Pzr leval and subcooling         IBwEP ES.3.1, "Post-SGTR Cooldown Using Steam Dumps" must be used quickly to recover Pzr leval and subcooling         IBwEP ES.3.1, "Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery         IBwEP ES.3.1, "Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery         IBwEP Start Level       Screen Coolant, Subcooled Recovery Desired" is the only option available and must be implemented         Answer       IBwEP Start Level       Screen Coolant, Subcooled Recovery Desired" is the only option available and must be implemented         Answer       IBwEP Start Level       Screen Coolant, Subcooled Recovery Desired" is the only option available and must be implemented         Answer       IBwEP Start Level       Screen Start Level       7/19/02         Kastatement       Corcutating Water System       2/10/75       7/19/02         Kastatement       Knowledge symptom based EOP millgation strategies       2/11/10/11       7/19/02         Explanation of Al (h) Incorrect - Start Start Cooldown Method, is the LAST stable in EP-3. There is no continues of three without stranstiton (hore incored) start start three start on continues of t			ing cooldown options have been	ons, RCS	subcooling was lost	i në në përseta në përset në		ing ng kitalang pangangan kang pangangan kang pangangan kang pangangan kang pangangan kang pangangan kang pang Kang panganganganganganganganganganganganganga	<ul> <li>Alternation</li> </ul>
IbwEP 3, SGTR* must be continued unit continued used for establishing RHR strutdown cooling     IbwEP ES-3.1, "Post-SGTR Cooldown Using Backfill" must be used quickly to recover Pzr level and subcooling     IbwEP ES-3.1, "Post-SGTR Cooldown Using Backfill" must be used quickly to recover Pzr level and subcooling     IbwCA.3.1, "SGTR With Loss of Reactor Coolant, Subcooled Recovery Desired" is the only option available and must be implemented     Answer     I Exam Level S. Cognitive Level Application     Exam Level S. Cognitive Level Application     Application     Exam Level S. Cognitive Level Application     Exam Level S. Cognitive Level Application     Section	in a serie series	K.WALDROST	ture because the	Man Started	and aligned, but subcooling is not re	Covering	us i ti tu	ang generation and a second br>Second Second	elozi, trinstreem
INNER-S. SCITK - must be continued unit conditions exist for establishing RHR shutdown cooling       Interview of the second secon	Which of	the followi	ing procedures mu	ist be use	to continue the post SGTR cooldon	NN and recovery actions f	om this noi	int?	
E       IBwCP ES-3.3, "Post-SGTR Cooldown Using Steam Dumps" must be used as this is the preferred method of recovery         d       IBwCA-3.1, "SGTR With Loss of Reactor Coolant, Subcooled Recovery Desired" is the only option available and must be implemented         Answer       d       Exam Lovel       S.       Cognitive Level       Application       Eaclify;       Braidwood,       Exam Date:       7/19/02         KA       075000G406       24.6       RO Value;       3.1       SRO Value;       4.0       Section:       SYS       RO Group;       2       SRO Group;       SRO Group;       SRO Grou			GIR must be co	ntinued u	ntil conditions exist for establishing F	RHR shutdown cooling	daardutenn	the second second	anter Algenta
IbwCA-3.1. "SGTR With Loss of Reactor Coolant, Subcooled Recovery Desired" is the only option available and must be implemented         Answer       d       Exam Level       S.       Cognitive Level       Application       Facility:       Braidwood       ExamDate       7/19/02         KA       075000G406       2.4.6       RO Value       3.1       RO Value       4.0       Sections       SYS       RO Groups       2       SRO Groups       2	<b>b.</b> 18	WEP ES-3	3.1, "Post-SGTR C	ooldown l	Jsing Backfill" must be used quickly	to recover Pzr level and s	ubcooling	adda ac	
de       19wCA.3.1, "SGTR With Loss of Reactor Coolant, Subcooled Recovery Desired" is the only option available and must be implemented         Answer       descent Coolant, Subcooled Recovery Desired" is the only option available and must be implemented         Answer       descent Coolant, Subcooled Recovery Desired" is the only option available and must be implemented         Answer       descent Coolant, Subcooled Recovery Desired" is the only option available and must be implemented         Answer       descent Coolant, Subcooled Recovery Desired" is the only option available and must be implemented         Answer       descent Coolant, Subcooled Recovery Desired" is the only option available and must be implemented         Answer       descent Coolant, Subcooled Recovery Desired" is the only option available and must be implemented         Knowledge symptorii based EOP miligation strategies:       descent Coolant, Subcooled Recovery Descent Recovery Descent Recovery Descent Recovery Coolant, Subcooled Recovery Descent Recovery Coolant, Subcooled Recovery Descent Recovery Coolant, Subcooled Recovery	<b>c.</b> 1B	WEP ES-3	3.3, "Post-SGTR C	ooldown L	Ising Steam Dumps" must be used a	as this is the preferred me	thod of reco	overy	
Answer       d       Examplevel       S       Cognitive Level       Application       Facility       Eradwood       Examples       7/19/02         KA       075000C406       [2:4.6       RO Value:       3.1       SRO.Value:       4.0       Section:       SYS       RO Group:       2       SRO Group:	d. 1B	wCA-3.1, '	SGTR With Loss	of Reactor	Coolant Subcooled Bassure D		······		
Answer       d       Examination       S.       Cognitive Level       Application       Facility       Braidwood       ExamDate       7/19/02         KA       0750006406       2.4.6       RO Value:       3.1       SRO Value:       4.0       Section       SYS       RO Group:       2       SRO Group:					Coolant, Subcooled Recovery Des	red" is the only option ava	ilable and	must be imple	
System/Evolution Title       Circulating Water System       A. Direct Parker, 4. Direct P	Answer	d E	kam Level S	Cogn				amDate:	
System/Evolution Title       Circulating Water System       075         KA Statement       Knowledge symptom based EOP miligation strategies       075         Explanation of Answers:       (A) Incorrect - step 38, Go to Appropriate Post-SGTR Cooldown Method, is the LAST step in EP-3. There is no continuation from Incorrect - same as 0, and with ross of GW, more condenser vacuum exists to take steam dump system. (b) Correct - as required by each procedure's OAS and step 2 in each post-SGTR cooldown procedure.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       O. Number         EOPS - SGTR       18wEP-3       step 38 & OAS       45       100       100         Post-SGTR Cooldown procedures       18wEP-3.1 & 3.3       step 2 & OAS       3       1A         EP-3 Basis       Background Docs       ES-3.1 step 2       21       1C         Material Required for Examination       Question Modification Method:       Used During Training Program       Question Source         Comment Type       Comment       SRO       Assessment of conditions - selection of appropriate recovery procedures       Reviews Complete       Peif _         SRO       Assessment of conditions - selection of appropriate recovery procedures       Reviews Complete       Peif _         SRO       Assessment of conditions - selection of appropriate recovery procedures       Reviews Complete<	<b>KA:</b> 075	000G406	2.4.6	RO	Value: 3.1 SRO Value: 4.0	Section: SYS	RO Group	2 2 58	
KA Statement:       Knowledge symptom based EOP mitigation strategies:         Explanation of Answers:       (A) Incorrect - step 38, Go to Appropriate Post-SGTR Cooldown Method, is the LAST step in EP-3. There is no continuation from Incorrect - same as D, and with russ of CM, no condenser vacuum exists to use steam dump system. (C) Connect - as required by each procedure's OAS and step 2 in each post-SGTR cooldown procedure.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       O. Number         EOPS - SGTR       19wEP-3       step 38 & OAS       45       100       100         Post-SGTR Cooldown procedures       19wEP-3       step 38 & OAS       45       100         EOPS - SGTR       19wEP-3       step 38 & OAS       45       100         Post-SGTR Cooldown procedures       19wEP ES-3.1 & 3.3       step 2 & OAS       3       1A         EP-3 Basis       Background Docs       ES-3.1 step 2       21       1C       IC         Material Required for Examination       Used During Training Program       Question Source       Reviews Complete       Refer         SRO       Assessment of conditions - selection of appropriate recovery procedures       Reviews Complete       Refer       Supervisory       Facility       NRC	System/Ev	olution Ti	itle Circulating	Water Sy	stem	A Contraction of the second			
Knowledge symptom based EOP mitigation strategies.         Explanation of Answers:       (A) Incorrect - step 38, Go to Appropriate Post SGTR Cooldown Method, is the LAST step in EP-3. There is no continuation from here without a transition. (B) Incorrect - OAS and step 2 of ES-3.1 require transition to CA-3.1 with the loss of subcooling. (C) incorrect - same ab. and with ross of CW, no condense requires to the steam dump system. (C) Correct - as required by each procedure's OAS and step 2 in each post-SGTR cooldown procedure.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       O. Number         EOPS - SGTR       18wEP-3       step 38 & OAS       45       100       100         Post-SGTR Cooldown procedures       18wEP-3       step 2 & OAS       3       1A       14         EO-S - SGTR       18wEP-3       step 2 & OAS       3       1A       14       14         Post-SGTR Cooldown procedures       18wEP-3       step 2 & OAS       3       1A       14         Question Source:       New       Question Modification Method:       Used During Training Program       Question Source         Question Source       New       Question Modification Method:       Used During Training Program       Supervisory       Facility       NRC         SRO       Assessment of conditions - selection of appropriate recovery procedures       Reviews Complete       Re	KA Statem	ient:		terfeks 12 b	and the second second and a second second		<u>an an a</u>	territik and a state	<u>, a</u> [075
Explanation of Answers:       (A) Incorrect - step 38, Go to Appropriate Post-SGTR Cooldown Method, is the LAST step in EP-3. There is no continuation from here without a transition. (B) Incorrect - OAS and step 2 of ES-3.1 require transition to CA-3.1 with the loss of subcooling. (C) incorrect - same as D, and with these of CM, incordense is vacuum exists to use steam dump system. (D) Conrect - as required by each procedure's OAS and step 2 in each post-SGTR cooldown procedure.         Reference Title       Facility Reference Number       Reference Section       Page No.       Revision       LO. Number         EOPS - SGTR       IBwEP-3       step 38 & OAS       45       100       Image No.         Post-SGTR Cooldown procedures       IBwEP ES-3.1 & 3.3       step 2 & OAS       3       1A         Post-SGTR Cooldown procedures       IBwEP ES-3.1 & 3.3       step 2 & OAS       3       1A         Question Source       New       Question Modification Method:       Used During Training Program.         Question Source       New       Question Modification Method:       Used During Training Program.         SRO       Assessment of conditions - selection of appropriate recovery procedures       Peer       Supervisory       Facility         NRC       Incorrect       NRC       Incorrect       NRC       Incorrect		and a second sec	owledge symptom	based EC	P mitigation strategies.		a second a s	and the second	
Incorrect - same as D. and with loss of OW, no consider 2 actual exists to use steam dump system. (D) Conrect - as required by         Reference Title       Facility Reference Number         Reference Section       Page No.         Revision       LO. Number         Post-SGTR       18wEP-3         Step 38 & OAS       45         100       100         Post-SGTR Cooldown procedures       18wEP-3         Step 2 & OAS       3         1A       100         Post-SGTR Cooldown procedures       18wEP ES-3.1 & 3.3         Step 2 & OAS       3         IA       100         Question Source:       New         Question Modification Method:       Used During Training Program.         Question Source:       New         Question of appropriate recovery procedures       Peer         SRO       Assessment of conditions - selection of appropriate recovery procedures       Peer         Supervisory       Facility       NRC		n of (A)	Incorrect - step 38	3. Go to Ar	propriate Post-SGTR Cooldown Ma	thed is the LACT			101-2
each procedure's OAS and step 2 in each post-SGTR cooldown procedure.         Reference Title       Facility Reference Number         Reference Title       Facility Reference Number         Reference Title       Facility Reference Number         Revision       LO. Number         EOPS - SGTR       18wEP-3         Step 38 & OAS       45         100       1         Post-SGTR Cooldown procedures       18wEP ES-3.1 & 3.3         Step 2 & OAS       3         1A       1         Post-SGTR Cooldown procedures       18wEP ES-3.1 & 3.3         Step 2 & OAS       3         IA       100         Material Required for Examination       100         Question Source:       New         Question Modification Method:       Used During Training Program         Question Source Comments       Step 2         SRO       Assessment of conditions - selection of appropriate recovery procedures       Peer         Supervisory       Facility       NRC	Answers:	her	e without a transiti	ion. (B) In	correct - OAS and step 2 of ES-3.1	equire transition to CA-3.	1 with the lo	oss of subcool	ing. (C)
EOPS - SGTR       1BwEP-3       step 38 & OAS       45       100         Post-SGTR Cooldown procedures       1BwEP ES-3.1 & 3.3       step 2 & OAS       3       1A         EP-3 Basis       Background Docs       ES-3.1 step 2       21       1C       1C         Material Required for Examination	<b></b>						<del>əyəlem. (</del> D	Conect - as	iequired by
Post-SGTR Cooldown procedures       1BwEP ES-3.1 & 3.3       step 2 & OAS       45       100         Post-SGTR Cooldown procedures       1BwEP ES-3.1 & 3.3       step 2 & OAS       3       1A         EP-3 Basis       Background Docs       ES-3.1 step 2       21       1C         Material Required for Examination	EODS SO		rence Title	1915	Facility Reference Number	Reference Section	Page N	o. Revision	L.O. Number
EP-3 Basis       Background Docs       S       IA         Material Required for Examination       IC       IC         Question Source:       New       Question Modification Method:       Used During Training Program         Question Source Comments       IS       Reviews Complete       Peer         SRO       Assessment of conditions - selection of appropriate recovery procedures       Peer       Supervisory         SRO       Assessment of conditions - selection of appropriate recovery procedures       INRC       NRC	3				1BwEP-3	step 38 & OAS	45	100	1
EP-3 Basis       Background Docs       ES-3.1 step 2       21       1C         Material Required for Examination	{		procedures		1BwEP ES-3.1 & 3.3	step 2 & OAS	3	1A	
Material Required for Examination	EP-3 Basis		***		Background Docs	ES-3.1 step 2	21	the second secon	
Question Source Comments       Used During Training Program         Comment Type       Comment         SRO       Assessment of conditions - selection of appropriate recovery procedures         Supervisory       Facility         NRC       NRC	Material Re	quired for	Examination	] [				······································	L
Question Source Comments         Comment Type       Comment         SRO       Assessment of conditions - selection of appropriate recovery procedures         Supervisory       Facility         NRC       NRC	Question S	ource:	New	]	Question Modification Method:	(		ring Training	
SRO       Assessment of conditions - selection of appropriate recovery procedures       Reviews Complete         Supervisory       Supervisory       Facility         NRC       Supervisory       Supervisory	Question S	ource Con	nments						
SRO       Assessment of conditions - selection of appropriate recovery procedures       Peer         Supervisory       Supervisory         Facility       NRC	Comment T	ype Co	mment						
	SRO	As	sessment of condi	tions - sel	ection of appropriate recovery proce	duree			omplete
						uu 03	ļ		
							<u> </u>		
		[	*****				]	Facility	
	[							NRC	
									<u> </u>

.	VVIIICI		nowing i	ite Protection	subsyste	ems is used	to provide of	coverage for th	ne 1B Auxilia	ry Feedwater	Pump?		
_1													
				a de la companya de l	udada er	south for a firm a	ita ta sa sa s						
	a.	Foam		ana pilihirada	estille ad toba		148	• 1 as 11 . • •	" interference of	ormaldenne Rijskipskings	Section and here	s. (	
	<b>b.</b> ]]	Water							وفقاؤه والمرد ويبد	ومعتو استناعت ولأر وحسا ترابت	a san ang ang ang ang ang ang ang ang ang a	¥. 分配 (1997)	
5.1 ( 			anana Albhaith	or one de la serie de la s La serie de la s	ensannad Mitemite	ম্বকার্যনারনারন ব্রে ওক্ষার্কারনার	nterioto (thia) Ismoilthicistei	APTORALISE - 484 1974 - Challe And	eller all radias L'Alson	etterin rapprav atomatic	donin er stand	liter and the second	international Sector of the sector of the
	· C.	Halon		an a	alae (1913)	eta di Pisata	i të tikë rukhe	Rentrict management			Regionalista Referencesia	real control treater and	1977 - De la versiet dyna is. 1411 - Historia Maria (Maria) - Hanna (Maria) -
	d,	CO2	See State								- -		ten allannagi shi - ana
			1999 - 199 <b>9</b> 1				× •	Xolitzia ada	. AMUSTERNY	<i></i>	10 1 e	······	7.74 <u>02.4</u>
Ar	nswer	d	Examl	evel B	Cogn	itive Level	Memor	v .[	Pacility: B	raidwood	Exam	D-45	
K/	A: 0	86000K1	00										7/19/
		00000111	03	K1.03	RON	Values 3	4* SPOT	/aluta: 2 5*			100 V 244		
Sy	,stem	/Evolutio		K1.03			3.4* SRO V		Section:		O Group:	Summer Contraction	O Group:
		/Evolutio	n Title	Fire Protec	ion Syste	m			in the s	1	Shakes lay	e jeger	086
K4	A Stat	/Evolutio ement:	n Title Knowled AFW Sys	Fire Protec ge of the phy stem	ion Syste	m nections an	nd/or cause-e	effect relations	hips betweer	n Fire Protecti	on System a	ind the follow	086 wing:
KA Ex	A Stat	/Evolutio ement:	n Title Knowled AFW Sys	Fire Protec ge of the phy stem	ion Syste	m nections an	id/or cause-e	effect relations	hips betweer	n Fire Protecti	on System a	ind the follo	086 wing:
KA Ex An	A Stat plana iswer	/Evolutio ement: tion of s	n Title Knowled AFW Sys	Fire Protec ge of the phy stem	ion Syste	m nections an stem in the	nd/or cause of the second s	effect relations	hips between	n Fire Protecti	on System a	ind the follo	086 wing:
KA Ex An	A Stat	/Evolutic ement: tion of s:	n Title Knowled AFW Sys (D) Corre	Fire Protec ge of the phy stem act. It is the o	ion Syste	m nections an	nd/or cause-e	effect relations	hips between	n Fire Protecti	on System a	ind the follo	086 wing:
KA An Bw	A Stat plana iswer vd Big	/Evolutic ement: tion of s: F Notes	n Title Knowled AFW Sys (D) Corre	Fire Protec ge of the phy stem	ion Syste	m nections an stem in the Facili FP-2	1B AFW Ro	effect relations	hips between	n Fire Protecti	on System a	ind the follo	086 wing:
KA An Bw	A Stat plana iswer vd Big	/Evolutic ement: tion of s:	n Title Knowled AFW Sys (D) Corre	Fire Protect ge of the phy stem act. It is the or <b>Title</b>	ion Syste	m nections an stem in the Facili	1B AFW Ro	effect relations	hips between	n Fire Protecti	on System a	nd the follo	086 wing:
KA Ex An Bw	A Stat plana iswer vd Big e Prot	/Evolutio ement: tion of s: F Notes ection LF	n Title Knowled AFW Sys (D) Corre (D) Corre	Fire Protec ge of the phy tem ct. It is the or Title	ion Syste	m nections an stem in the Facili FP-2	1B AFW Ro	effect relations	hips between	n Fire Protecti	on System a	nd the follo	086 wing:
KA Ex An Bw	A Stat plana iswer vd Big e Prot	/Evolutio ement: tion of s: F Notes ection LF	n Title Knowled AFW Sys (D) Corre (D) Corre	Fire Protect ge of the phy stem act. It is the or <b>Title</b>	ion Syste	m nections an stem in the Facili FP-2	1B AFW Ro	effect relations	hips between	n Fire Protecti	on System a	nd the follo	086 wing:
KA Ex An Fire Mai	A Stat plana iswer vd Big e Prot terial	/Evolutio ement: tion of s: F Notes ection LF	n Title Knowled AFW Sys (D) Corre (D) Corre (C) Corre (C	Fire Protec ge of the phy stem ect. It is the or Title	ion Syste	m nections an stem in the Facili FP-2	1B AFW Ro	effect relations	hips between	Section	on System a	Ind the follow	086 wing: 100 100 100 100 100 100 100 100 100 10
KA Ex An Bw Fire	A Stat plana iswer vd Big e Prot terial estior	/Evolutio ement: tion of s: Notes ection LP Requírec n Source	n Title Knowled AFW Sys (D) Corre (D) Corre (C) Corre (C	Fire Protecting ge of the phy stem act. It is the or <b>Title</b>	ion Syste	m nections an stem in the Facili FP-2	1B AFW Ro 1B AFW Ro ity Referenc	effect relations	hips between	Section	on System a	Ind the follow	086 wing:
KA Ex An Bw Fire	A Stat plana iswer vd Big e Prot terial estior	/Evolutio ement: tion of s: Notes ection LP Requírec n Source	n Title Knowled AFW Sys (D) Corre (D) Corre (D) Corre (C) Corre (C	Fire Protecting ge of the phy stem act. It is the or <b>Title</b>	ion Syste	m nections an stem in the Facili FP-2	1B AFW Ro 1B AFW Ro ity Referenc	effect relations	hips between	Section	on System a	Ind the follow	086 wing: 100 100 100 100 100 100 100 100 100 10
KZ Exam Bw Bw Main Que	A Stat	/Evolutio ement: tion of s: Notes ection LP Requírec n Source	n Title Knowled AFW Sys (D) Corre (D) Corre (D) Corre (C) Corre (C	Fire Protec: ge of the phy stem act. It is the or Title	ion Syste	m nections an stem in the Faculi FP-2 III-FP-XL	1B AFW Ro 1B AFW Ro ity Reference -01	effect relations	hips between	Section	on System a	Ind the follow	086 wing: ////////////////////////////////////
KZ Exam Bw Bw Mai	A Stat	/Evolutio ement: tion of s: Notes ection LF Required n Source I Source	n Title Knowled AFW Sys (D) Corre (D) Corre (C) Corre (C	Fire Protec: ge of the phy stem act. It is the or Title	ion Syste	m nections an stem in the Faculi FP-2 III-FP-XL	1B AFW Ro 1B AFW Ro ity Reference -01	effect relations	hips between	Section	on System a	Ind the follow	086 wing: ////////////////////////////////////
KZ Exam Bw Bw Main Que	A Stat	/Evolutio ement: tion of s: Notes ection LF Required n Source I Source	n Title Knowled AFW Sys (D) Corre (D) Corre (C) Corre (C	Fire Protec: ge of the phy stem act. It is the or Title	ion Syste	m nections an stem in the Faculi FP-2 III-FP-XL	1B AFW Ro 1B AFW Ro ity Reference -01	effect relations	hips between	Section	on System a	nd the follow Revision	086 wing: ////////////////////////////////////
KZ Exam Bw Bw Main Que	A Stat	/Evolutio ement: tion of s: Notes ection LF Required n Source I Source	n Title Knowled AFW Sys (D) Corre (D) Corre (C) Corre (C	Fire Protec: ge of the phy stem act. It is the or Title	ion Syste	m nections an stem in the Faculi FP-2 III-FP-XL	1B AFW Ro 1B AFW Ro ity Reference -01	effect relations	hips between	Section	on System a	Ind the follow	086 wing: ////////////////////////////////////

-

		stion Topic	<	otection Sys												
		nich ONE of th		ing areas is	water NO	l used as	the primar	y fire supre	ssion age	nt?						J
1																
· have	1															
مىمۇر ئىيىلەرد. بىلىرى	a.	MPT/UAT/S	AT trans	formers		an en	eley Militarek	an a			en la seconda da second Seconda da seconda da se	ر ایک ورد ایک محمد محمد	Contra transfer	et concerto e to	· .	*
enerenie Nate a tri	<b>b</b> .						4.6.6	and a second at the second	en en Service				Rich Hundinka Stanistan ja Historia	1735-19 a V		
antis anti- Valancia () Antisensi () a	<b>2</b> .	Opper Cable	e Spread	ing Room	inini <u>Alati</u> nata	dinterintada Letterista	undist. Masik Skiesteristus	njënaar. Gjanders	tia Screy B	stagets. Alexant	waa too	an a	n rednie syng Meterson (	Sec. Sure	ine nitter solder.	
Hittin (	C.	Hydrogen S	eal Oil U	nitsi Silakadak	anisente	and the second	star a se	ritrisk likest	eners.	Chilses a			Alto and a state	antoninatio Historia	liniationa.	
54 <b>.</b> .	d.	Ventillation (									-					
									1.2263424	at neo, t	AST 11-58			** *	i fizi	
	Answe		xam Lev			ive Level			Facilit	y: Braid	boowb		xamDate:		7/19/02	
ring Pagen Salation Guint Salation		086000K503 1/Evolution T		(5.03	ROV	·······					SYS	RO Grou	ip: 2	SRO Grou	<b>p:</b> 2	<b>.</b>
l di sit e	·			of the open	on System	1 ************************************		Qri veze	an sin the	A. 1	a an	2019 NO 10	ا <u>ا</u> الحصل ال		086	
en gin de la					010001100	compone	nis i i i		5.5			ير بالأم أورجعه	i System:		1	
ing sing digitati filo Satalah	Explan: Answer	ation of wa	iter is not	used where	damage	may resul										
4.04	-										1999 (1999) 1999 - 1999 (1999)	n. A Digitzaki				-
	Bwd Big	Refe Notes - Fire	Protectio	ntie (m. )n		Facilit	y Referen	ce Number	Ref	erence S	ection	And Andrewson and	No. Revis	ion L.O. M	lumber	
										V17	that the	<u> </u>		anti serte		i i
tita .														 		
Ĩ	Material	Required fo	r Exami	nation			а			i erzi					l	•
		n Source:	New			uestion Mo	odification	Method:				Used I	During Train	ina Proarz		
	Questio	n Source Co	mments	]												
	Conten			I												
	Commer		omment				29 <b>8</b> -2013	5 (S. 1997)		t i Carlotte e Santa			Reviews	Complete		
ľ						****							Peer	·····		
			***										Supervis Facility	sory		
													NRC			
									*********			······				

10

	ccordance with the P	Pre-Job Briefing Chec	klist, which of t	ne following is NC	T one of the 4 k	Key Questions	asked?		
a.	What are the Critic	cal Steps in this task?		ay assessment of the second				e an friga e gara	enter in generation
	-							in the store had	had the manifest the second
b.	What are the Error	Likely Situations?	setta da anti- setta da anti- setta da anti-	na i sur sen na hai na sai fasa ani sa					
s: <b>c.</b>	Provention March 1 and 1 and 1 and 1 and 1 and 1 and 1	e we relying on?				이 같은 것 같은 것 같은 것 같은 것 같은 것 같이 많이 했다.		وأرقبا المتحدين وأخبرا المرته	
a <b>d.</b>					1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -	ાલ્યમચાર્યના ક્લાહન મન્લ્	BOAT TROUBA	પી તે <b>સ્પ્ર</b> ામી સંસ્કૃષ્	and the second second
		of the evolution?	s en allen an de la d La de la d	-		R. 946.9	un	naje su Ancij	
Answe	er d Exam L	evel R Cog	nitive Level	Memory	Facility:	Braidwood	Exam	Date:	7/19/02
KA:	194001G101	2.1.1 ···· RO	Value: 3.7	SRO Value:	3.8 Section	PWG	RO Group:		D Group:
	m/Evolution Title			- Fa Martila anda	AN PARK AND	I			GENERI
KA Sta	itement:	and an advect of		un der ande	File and		-	an in contemp	Genzelles destas
Explana		ge of conduct of opera ncorrect - all 3 are incl nswer - it is NOT inclu	luded on the ne	a jah halaf da tu	of The ford				ants aint
	ation of (A,B,C) Ir		uded on the pr	e-job brief checki	SL. I ne tourn is	"What is the V	Vorst Thing the	it can do we	ong" (D) in
Answer	Action of (A,B,C) Ir rs: Correct a	nswer - it is NOT inclu	uded.	a starte for the starte st	A REAL PROPERTY AND A	<u>er inditet</u> in	itin ining the	u can go wi	
	Reference				an bellet at the test of				Here and the second second
	****	Title		Reference Numb	er 🖉 Reféren		nta della	Revision	LO. Number
	Reference	Title	Facility I	Reference Numb	er 🖉 Reféren	ice Section			Here and the second second
Pre-Job	Reference	Title fings	Facility I	Reference Numb	er 🖉 Reféren	ice Section		Revision	LO. Number
Pre-Job	Reference o, Heightened Brie I Required for Exar	Title fings	Facility I	Reference Numb	er 🖉 Reféren	ice Section		Revision	LO. Number
Pre-Job Material Questio	Reference o, Heightened Brie I Required for Exar on Source: New	Title fings	Guestion Mod	Reference Numb	er Referen	ice Section	Page No.	Revision 0	LO Number
Pre-Job Material Questio	Reference o, Heightened Brie I Required for Exar	Title fings	Guestion Mod	Réference Numb	er Referen	ice Section		Revision 0	LO Number
Material Questio	Reference o, Heightened Brie I Required for Exar on Source: New on Source Commen	Title fings	Guestion Mod	Réference Numb	er Referen	ice Section	Page No.	Revision 0	LO Number
Pre-Job Material Questio	Reference o, Heightened Brie I Required for Exar on Source: New on Source Commen	Title fings	Guestion Mod	Réference Numb	er Referen	ce Section .	Page No.	Revision 0	Program
Material Questio	Reference o, Heightened Brie I Required for Exar on Source: New on Source Commen	Title fings	Guestion Mod	Reference Numb	er Referen	ce Section .	Page No.	Revision 0 g Training	Program
Material Questio	Reference o, Heightened Brie I Required for Exar on Source: New on Source Commen	Title fings	Guestion Mod	Reference Numb	er Referen	ce Section .	Page No.	Revision 0	Program

	a.	2	3				- 4 <sub>- 1</sub>	1. S. J. Jackson (1984)	ni pri prositty i na ing na	dan serie i				
eren 30 2 200											ى ئەلغە (مىلغەن يەلغ	1997 - Profe	and and a second se Second second	
an di	b.	2		a de la compañía de En este de la compañía	in an	aler bestinden. Maria a	an Rusan (Maria) An Rusan (Maria)		alar birnetara a serara	en de la contra de Este de la contra de	and a second and a second s			
44 - 2 242 - 2	¢.	1 4		· · · · · · · · · · · · · · · · · · ·	interest. Include a state of the state of th		· · · · · · · · · · · · · · · · · · ·		Ref. Balling Ballings A M.D. and Density of P		end the second construction of the			ing in the starts
- م ال	d,	1	4						10 10 10 10 10 10 10 10 10 10 10 10 10 1	15 - 9025 ( v k) -	and an and a second		in postelist.	inina a
					•	AN STORY	teste con appropriation	NR <sup>1</sup>			0.480.2		le satela	
	Answe			evel S	Cogn	itive Level	Memory		acility: Braid	wood	Exam	Date:		7/19/02
	······································	194001G		2.1.4		Value; 2	.3 SRO Val	ue: 3.4	Section: P	WG	RO Group:	1 5	RO Group:	
			on Title				4	· MTH: NARA	in an			K		NERI
21	KA Sta	tement:		ge of shift sta	<u></u>	te les		فير فندو فيتر و		d de la companya A companya da c				ter tig er k
		ation of	(C) Corre	ct - per TS 3	52 a RF	Tech shall	be onsite whe	- f 1 1	he reactor. 3 NS					
5	Answe	S:	Stantany.	la na named binn n	4.0327 AAR	and the second	$h_{0} \sim h_{NS}^{+} < 1$		ne reactor. 3 NS		quireo per 5	0.54 . 3319 9416 - 339		rijadiya <sub>da</sub> dise newita,
8				Title			y Reference N		Reference Se		t distante distante		n L.O. Nu	
-	Shift St			<u>Russias o</u>	after star	BwAP 320	)-1 <sup>* (</sup> 2:02-2)		С		2	14		
  r	Tech Sp	Decs				5.2.2	11. J.	para di second	Organization		5.2-2	A98		l
										·····	I			
17				nination								t gund		1
	<u></u>	n Source		ty Exam Bar		Question Mo	odification Me	thod:	Significantly Mod	dified	Used Durin	ig Trainin	ig Program	
	Juestio	n Source	Commen	ts 2001 B	wd NRC	······	****	************************************	*******					
		***							Por Strangers			······		
8	<u></u>	<u> </u>	Commen		wd NRC	Question Mo	odification Me	ethod:	Significantly Mod	dified	Used Durin	ıg Trainin	ig Program	

£

	In acc	Stion Topic Gene ecordance with OP-A rols of the reactor if u	A-101-110, "Reactivit under the direct super	y management vision of the lic	Controls", which o ensed Reactor Ope	the following NOI the following NOI rator?	N-LICENSE	D individuals	: can manipu	late the
			• • • • • • • •							
м. 	a.	An individual enrol	lled in a approved trai			ur entalistan ar				
en an teologica da 1999 - Alexandra 1999 - Alexandra 1999 - Alexandra 1997 - Alexandra	b. c,		er during surveillance t	esting	en altrainean an Salarde an Statisticaean Mericaean Statisticaean	alogistor duringo Uniquesistation (*	uombitarite matchana ca	ulsnad (* 1444) Saine reini (* 1	lvé-di Cidenji Sjangerstille	Billionali pagir
***************************************	· · · · · · · · · · · · · · · · · · ·		Operator during survice of the second				i Chilling) (Ins	ritar teles.	transferske stalen som Somalise	Rady Biki, Mulicipi The South Billion
-	Answei KA:	r a Exam L 194001G109		nitive Level Value: 2.5	Memory SRO Value:		idwood PWG	Exam	Date:	7/19/02 Group: 1
	KA Stal	n/Evolution Title	direct personnel activ					ander Miles der der		GENERI
		ation of (A) Corre	ect - per the reference ofly supervised by a lic	mist "ensure	raineec moninulati		1		proved trainin	
	Reactivi	ity Management Co	and the second	OP-AA-103-	Reference Number 104	3.5.3	Section 1	Page No.	Revision 0	L.O. Number
		Required for Exar		PBIG 		NA		NA		2
	Questio		lity Exam Bank		ification Method:	Editorially Mod	lified	Used Durii	ng Training I	Program
			nt			an a			Reviews Cor	nplete
									Supervisory acility	

.

т		SkyScrap		Skyscraper	RO System/E	volution List	SRO Syster	n/Evolution Li	st Outlin	ne Change	s	CN.	111 TT 7887
		stion Top											
	The t the la	Unit 1 NS ast 10 sec	O is throttli conds.	ing 1AF013A,	S/G 1A ISOL V	_V, to adjust AF	FW flow to 75	gpm. In doir	ng so, he has	operated 1	AF013A Τ\	WO (2) time	s in
1	The N	NSO is no	ow limited t	o operating the	e valve(1	) times ir	the next 50 s	seconds to p	revent	(3)			
		_(1)		(2)									
	1997	r											
	a.	3		Overfeeding	the 1A SG		······	n - Alberta Alberta	-+ #fift gootal -	et e gette e	· · · · ·		
	b.	3		Overheating	the valve motor	•							
	<b>c.</b>	4		Overfeeding	the 1A SG								
	<b>d</b> .	4		Overheating	the valve motor			****					
A	nswei	Ъ	Exam Lo		······································								
[		94001G <sup>.</sup>		2.1.32	RO Value:				raidwood	118.170813	mDate:		7/19/02
		/Evolutic			<u></u>	3.4 SRO V	alue: 3.8	Section:	PWG	RO Group:		RO Group	221 <b>)</b>
ĸ	A Stat	ement:					Strategy - Comp			••••••••••••••••••••••••••••••••••••••			ENERI
Б	plana	tion of	Ability to e	Explain and ap	ply all system li	mits and precau	itions.		an think to an in the second	e Arrendo Terre da cal La constante da cal	en de la companya de La companya de la comp	Nevelet Public Autoria	<u>international</u> I
	1swer:	s:	motor fron	n excessive str	g duties for MO\ arting currents.	(B) is only corre	a max of 5 ti ct answer.	mes w/l a or	ie minute peri	iod. Preven	ts overhea	ting the valv	/e
·				Title	Fa	cility Reference	e Number	Reference	Section			on L.O. Ni	
	ormal (	Ops - Mol	tor Driven A	AFP Startup	BwOP	AF-5		E		4	16		
					<u> </u>			<u> </u>		]	]		
Ma	terial	Required	for Exam	ination									]
Qu	estion	Source	Facilit	ty Exam Bank	Question	n Modification I	Method:	Significantly	Modified				
Qu	estion	Source	Comment	5						j Used Dui	ing Irainii	ng Progran	
Col	nmen	t Type	Comment										
			Comment		47 m	<u></u>						Complete	
<u> </u>			ĺ								Peer		
		l									Facility		
											NRC	]	

<b>פ</b> וד		llowing co	nditions exist on Unit	1 followir	ng a refueling outage:				
	RC All I Pre The	S pressure reactor ves parations a following Disolved (	RCS chemistry sam Dxygen = 180 ppb	nter 1BwG	y tensioned SP 100-1, "Plant Heatup" 1 hour ago has been handed	to you for your review:			
		Chloride = Fluoride =							
		(1)i	s/are outside allowal	ble value(	s) for current plant conditions	and must be corrected to en			·
		· · · · · · · · ·	-			and must be corrected to en	sure(2)		
		1)		(2)			na na an anna 1990 an an Anna Anna Anna Anna Anna Anna An	an a	an an an an an an an an an an an an an an ann an
	a.] (	ONLY Oxy	gen	Struct	ural integrity of the RCS	Sanga Ang Panganang Pangan	्रदेशका वी संस्थान	e al trade	ar en
	6. 	Chloride A	ND Fluoride	Spec	cific activity is minimized				
			ND Oxygen	Speci	fic activity is minimized				
C	<b>1.</b>   C	ONLY Chic	ride	Struc	tural integrity of the RCS	an a		· · •	a specie contra con
Ans	wer					*** 2. · · · · · · · · · · · · · · · · · ·			
		d ·	Exam Level S	Cogn	itive Level Memory	Facility Braidwood		B-4-1	
KA:		· }			itive Level Memory				7/19/02
KA: Svst	19	94001G134	4 2.1.34		/alue: 2.3 SRO Value:	2.9 Section: PWG	RO Group:		O Group: 1
Syst	19 tem/t	4001G13	4 2.1.34		/alue: 2.3 SRO Value:		RO Group:		O Group: 1
Syst	19 tem/t	4001G134 Evolution	4   2.1.34	RO	/alue: 2.3 SRO Value:	2.9 Section: PWG	RO Group:		O Group: 1
Syst KA S	tem/f	24001G134 Evolution ment: A ion of (/ F		nary and s	Alue: 2.3 SRO Value:	2.9 Section: PWG	RO Group:		O Group: 1 GENERI
Syst KA S	tem/f	24001G13/ Evolution ment: A fon of (/ ;		nary and s	Alue: 2.3 SRO Value: secondary plant chemistry wi n mode 5. (B) Incorrect - Flu prrect - Chloride is out of limit	2.9 Section: PWG thin allowable limits. oride is within allowable limits ts -> 150 ppb. Also, TS basis	RO Group: s (<150 ppb) (C) I s is for RCS integr	ncorrect - t	O Group: 1 GENERI
Syst KA S Expl Ansu	lem/l State anat wers	24001G13/ Evolution ment: A fon of (/ ;	4 2.1.34 Title bility to maintain prin A) Incorrect - O2 has luoride are within lim vels ference Titlemen	nary and s	Value: 2.3 SRO Value: secondary plant chemistry wi n mode 5. (B) Incorrect - Flu prrect - Chloride is out of limit Facility Reference Nur	2.9       Section:       PWG         thin allowable limits.       PWG         oride is within allowable limits       PWG         ts - > 150 ppb. Also, TS basis         mber       Reference Section	RO Group: s (<150 ppb) (C) I s is for RCS integr	ncorrect - t ity, not RC	O Group: 1 GENERI
Syst KA S Expl Ansi	I 19 tem/f State anat wers	24001G13/ Evolution ment: A ion of (/ ; ie Re	4 2.1.34 Title bility to maintain prin bility to maintain prin bili	nary and s	Value: 2.3 SRO Value: secondary plant chemistry wi n mode 5. (B) Incorrect - Flu prrect - Chloride is out of limit Facility Reference Nur Tech Requirements Manua	2.9       Section:       PWG         thin allowable limits.       PWG         oride is within allowable limits.         oride is within allowable limits.         sr > 150 ppb. Also, TS basis         mber       Reference Section         I       3.4.b	RO Group: s (<150 ppb) (C) Is s is for RCS integr n Page No. 3.4.b-4	ncorrect - t ity, not RC	O Group: 1 GENERI Doth O2 and S activity 1 L.O. Number
Syst KA S Expl Ansi	i 19 Iem/I State anat wers - RC ctor C	24001G134 Evolution ment: A ion of (/ ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	4 2.1.34 Title bility to maintain prin bility to maintain prin bili	nary and s	Value: 2.3 SRO Value: secondary plant chemistry wi n mode 5. (B) Incorrect - Flu prrect - Chloride is out of limit Facility Reference Nur	2.9       Section:       PWG         thin allowable limits.       PWG         oride is within allowable limits is -> 150 ppb. Also, TS basis         nber       Reference Section         I       3.4.b         IIII.A	RO Group:           s (<150 ppb) (C) lisis for RCS integr	ncorrect - t ity, not RC	O Group: 1 GENERI
Syst KA S Expl Answ TRM Reac TS B	anat state anat - RC ctor C	24001G134 Evolution ment: A ion of (// F ice Re CS Chemis Coolant LP (old)	4 2.1.34 Title 2.1.34 Title billity to maintain prin billity to mai	RO nary and s s no limit i its (D) Co	/alue:       2.3       SRO Value:         secondary plant chemistry wi         n mode 5. (B) Incorrect - Flu         prrect - Chloride is out of limit         Facility Reference Nut         Tech Requirements Manual         I1-RC-XL-01	2.9       Section:       PWG         thin allowable limits.       PWG         oride is within allowable limits.         oride is within allowable limits.         sr > 150 ppb. Also, TS basis         mber       Reference Section         I       3.4.b	RO Group: s (<150 ppb) (C) Is s is for RCS integr n Page No. 3.4.b-4	ncorrect - t ity, not RC	O Group: 1 GENERI Doth O2 and S activity 1 L.O. Number
Syst KA S Expl Ansu TRM Read TS B Mate	tem/li state anat wers - RC ctor C asis	Adoution ment: A fon of CS Chemis Coolant LP (old) Required f	4 2.1.34 Title bility to maintain prin A) Incorrect - O2 has luoride are within lim ivels ference Title try or Examination	RO nary and s a no limit i its (D) Co	Zalue:       2.3       SRO Value:         secondary plant chemistry wi         n mode 5. (B) Incorrect - Flu         prrect - Chloride is out of limit         Facility Reference Nut         Tech Requirements Manual         I1-RC-XL-01         TS	2.9       Section:       PWG         thin allowable limits.       PWG         oride is within allowable limits       PWG         oride is within allowable limits.       PWG         mber       Reference Section         I       3.4.b         III.A       Basis	RO Group:         s (<150 ppb) (C) liss is for RCS integration	1         SR           ncorrect - t         ity, not RC:           ity, not RC:         1           1         4           1         4           1         4           4         4	O Group: 1 GENERI Ooth O2 and Sactivity D L.O. Number 1 13
Syst KAS Expl Ansu TRM Reac TS B Mater Ques	I 19 State anat wers - RC ctor C asis rial F	P4001G13/ Evolution ment: A ion of (/ : E CS Chemis Coolant LP (old) Required f Source:		nary and s no limit in its (D) Co	/alue:       2.3       SRO Value:         secondary plant chemistry wi         n mode 5. (B) Incorrect - Flu         prrect - Chloride is out of limit         Facility Reference Nut         Tech Requirements Manual         I1-RC-XL-01	2.9       Section:       PWG         thin allowable limits.       PWG         oride is within allowable limits.         oride is within allowable limits.         oride is within allowable limits.         s - > 150 ppb. Also, TS basis         nber       Reference Section         I       3.4.b         III.A       Basis	RO Group:         s (<150 ppb) (C) liss is for RCS integration	1         SR           ncorrect - t         ity, not RC:           ity, not RC:         1           1         4           1         4           1         4           4         4	O Group: 1 GENERI Doth O2 and S activity 1 L.O. Number
Syst KAS Expl Ansu TRM Reac TS B Mater Ques	I 19 State anat wers - RC ctor C asis rial F	P4001G13/ Evolution ment: A ion of (/ : E CS Chemis Coolant LP (old) Required f Source:		RO nary and s a no limit i its (D) Co	Zalue:       2.3       SRO Value:         secondary plant chemistry wi         n mode 5. (B) Incorrect - Flu         prrect - Chloride is out of limit         Facility Reference Nut         Tech Requirements Manual         I1-RC-XL-01         TS	2.9       Section:       PWG         thin allowable limits.       PWG         oride is within allowable limits       PWG         oride is within allowable limits.       PWG         mber       Reference Section         I       3.4.b         III.A       Basis	RO Group:         s (<150 ppb) (C) liss is for RCS integration	1         SR           ncorrect - t         ity, not RC:           ity, not RC:         1           1         4           1         4           1         4           4         4	O Group: 1 GENERI Ooth O2 and Sactivity D L.O. Number 1 13
Syst KA S Expl Ansu TRM Read TS B Mater Ques	I 19 State anat wers - RC ctor C asis rial F rial F	Adoution ment: A ion of (/ F Re CS Chemis Coolant LP (old) Required f Source: Source C		RO nary and s s no limit in its (D) Co nk wd NRC	Zalue:       2.3       SRO Value:         secondary plant chemistry wi         n mode 5. (B) Incorrect - Flu         prrect - Chloride is out of limit         Facility Reference Nut         Tech Requirements Manual         I1-RC-XL-01         TS	2.9       Section:       PWG         thin allowable limits.       PWG         oride is within allowable limits       PWG         oride is within allowable limits.       PWG         mber       Reference Section         I       3.4.b         III.A       Basis	RO Group:         s (<150 ppb) (C) h	1 SR ncorrect - t ity, not RC Revision 1 1 A92	O Group: 1 GENERI Doth O2 and S activity 1 L.O. Number 13 13 19 Program
Syst KA S Expl Ansu TRM Read TS B Mater Ques	I 19 State anat wers - RC ctor C asis rial F rial F	Adoution Performance Performa		RO nary and s a no limit in its (D) Co 	Zalue:       2.3       SRO Value:         secondary plant chemistry winn mode 5.       (B) Incorrect - Fluptrect - Chloride is out of limit         Facility Reference Num       Tech Requirements Manual         I1-RC-XL-01       TS         Question Modification Meth	2.9       Section:       PWG         thin allowable limits.       PWG         oride is within allowable limits       PWG         oride is within allowable limits.       PWG         mber       Reference Section         I       3.4.b         III.A       Basis	RO Group:         S (<150 ppb) (C) Is	1 SR ncorrect - t ity, not RC Revision 1 1 A92 ng Training Reviews C	O Group: 1 GENERI Ooth O2 and Sactivity D L.O. Number 1 13
Syst KA S Expl Answ TRM Reac TS B Mater Ques Ques	I 19 State anat wers - RC ctor C asis rial F rial F	Adoution Performance Performa	4       2.1.34         Title       2.1.34         Title       2.1.34         Title       2.1.34         bility to maintain print       Image: state	RO nary and s a no limit in its (D) Co 	Zalue:       2.3       SRO Value:         secondary plant chemistry winn mode 5.       (B) Incorrect - Fluptrect - Chloride is out of limit         Facility Reference Num       Tech Requirements Manual         I1-RC-XL-01       TS         Question Modification Meth	2.9       Section:       PWG         thin allowable limits.       PWG         oride is within allowable limits       PWG         oride is within allowable limits.       PWG         mber       Reference Section         I       3.4.b         III.A       Basis	RO Group:         s (<150 ppb) (C) Is	1       SR         ncorrect - t       ity, not RC         ity, not RC       I         1       I         A92       I         ng Training       Reviews C         Peer       I	O Group: 1 GENERI Doth O2 and S activity 1 L.O. Number 13 13 9 Program
Syst KA S Expl Answ TRM Reac TS B Mater Ques Ques	I 19 State anat wers - RC ctor C asis rial F rial F	Adoution Performance Performa	4       2.1.34         Title       2.1.34         Title       2.1.34         Title       2.1.34         bility to maintain print       Image: state	RO nary and s a no limit in its (D) Co 	Zalue:       2.3       SRO Value:         secondary plant chemistry winn mode 5.       (B) Incorrect - Fluptrect - Chloride is out of limit         Facility Reference Num       Tech Requirements Manual         I1-RC-XL-01       TS         Question Modification Meth	2.9       Section:       PWG         thin allowable limits.       PWG         oride is within allowable limits       PWG         oride is within allowable limits.       PWG         mber       Reference Section         I       3.4.b         III.A       Basis	RO Group:         s (<150 ppb) (C) lisis for RCS integr		O Group: 1 GENERI
Syst KA S Expl Answ TRM Reac TS B Mater Ques Ques	I 19 State anat wers - RC ctor C asis rial F rial F	Adoution Performance Performa	4       2.1.34         Title       2.1.34         Title       2.1.34         Title       2.1.34         bility to maintain print       Image: state	RO nary and s a no limit in its (D) Co 	Zalue:       2.3       SRO Value:         secondary plant chemistry winn mode 5.       (B) Incorrect - Fluptrect - Chloride is out of limit         Facility Reference Num       Tech Requirements Manual         I1-RC-XL-01       TS         Question Modification Meth	2.9       Section:       PWG         thin allowable limits.       PWG         oride is within allowable limits       PWG         oride is within allowable limits.       PWG         mber       Reference Section         I       3.4.b         III.A       Basis	RO Group:         s (<150 ppb) (C) Is	1       SR         ncorrect - t       ity, not RC         ity, not RC       I         1       I         A92       I         ng Training       Reviews C         Peer       I	O Group: 1 GENERI Doth O2 and S activity 1 L.O. Number 13 13 9 Program

			NOT crit	scribes the re	• equired c	operato	r action?								•		
a	. Ma	anually r	einsert A	LL Control a	nd Shuti	down B	ank rods	<b>.</b> - 18 a <b>r</b> /5	Shiring the start	n Viere							
b	Err	nergenc	y Borate	to increase F	RCS bor	on conc	centration	n <b>by &gt;100 p</b>	pm 💠 🔅	durriaren de	ciaj de ROS	লর্জ্বারনার দ	geote is	en an sta An an star An an		Sine de	uiten
c.	Ma	nually r	einsert O	NLY the Cor	ntrol Ban	k rods			etter tytog	at in Car	the Control	Existen	45 Y		n en	and an	<u>ken</u> s
d.				ne Reactor T				****			ent Age			· · · · · · · · · · · · · · · · · · ·			
Answ	ver	a	Exam Le	evel R	Cogi	nitive L	evel	Applicatior		Facility:	Braidwood		Exam	Date:		7/1	9/02
KA:	1	001G20		2.2.1	RO	Value:	3.7	SRO Vali	<b>ie:</b> 3.6	Section	PWG	RÔ G		I.	SRO Gr		
	m/Ev	olution	Title					) Magazetta	State 1	1. <sup>4</sup> 11.						GENE	RI
KA Si	tatem	ent: A	bility to p ould affe	perform pre-s	startup p	rocedur	res for th	e facility in	oludina ar			·····			-	م ليني ه	
KA Si Expla Answ	natio ers:	n of P	er Attach or criticali	perform pre-s ct reactivity. Iment B, Cor ity below Lo- atirer condition Title	ntingenc 2 RIL. ( ons.	y for no C) Inco	res for th t achievi rrect bec	e facility, in ng criticality ause ALL r	cluding or with all c ods must l	perating those ontrol rods to be inserted.	se controls a fully withdrav (D) Incorre	ssociate vn. Corr ct - only	d with p ect resp applies	Dant equ onse is ( to halted	ióment i A). (B) i I startup	hat s action s during	
KA Si Expla Answ	natio ers:	n of P fc	er Attach or criticali	iment B, Cor ity below Lo- ather conditi	ntingenc 2 RIL. ( ons.	y for no C) Inco F	res for th t achievi rrect bec acility R	e facility, in ng criticality ause ALL r	vith all c ods must	perating those ontrol rods to be inserted.	se controls a fully withdraw (D) Incorrect ce Section	ssociate vn. Corr ct - only	d with p ect resp applies	lant equ onse is ( to halted	ipment i A). (B) i I startup	hat s action s during Numb	
KA Si Expla Answ	natio ers: or star	n of Pfc	er Attach or criticali evere we ference cedures	iment B, Cor ity below Lo- ather conditi	ntingenc 2 RIL. (i ons.	y for no C) Inco F	res for th t achievi rrect bec acility R GP 100-2	e facility, in ng criticality ause ALL r eference N	vith all c ods must i	ontrol rods to financial formation of the financ	se controls a fully withdraw (D) Incorrect ce Section	ssociate vn. Corr ct - only	d with p ect resp applies	Dant equ onse is ( to halted	ipment i A). (B) i I startup	hat s action s during	
KA Si Expla Answ React	natio ers: or star	A c c f f f f c f c f c f c f c f c f c	er Attach or criticali evere we ference cedures	nment B, Cor ity below Lo- ather condition	ntingenc 2 RIL. (i ons.	y for no C) Inco F	res for th t achievi rrect bec acility R GP 100-2	e facility, in ng criticality ause ALL r eference N 2	vith all c ods must i	erating those ontrol rods to be inserted.	se controls a fully withdraw (D) Incorrection ce Section	ssociate vn. Corr ct - only	d with p ect resp applies	Dant equ onse is ( to halted	ipment i A). (B) i I startup	hat s action s during Numb	
KA Si Expla Answ React	natio ers: or star al Ree	A c c f f f f c f c f c f c f c f c f c	Yer Attach or criticali evene we ference cedures	nment B, Cor ity below Lo- attrer condition	ntingenc 2 RIL. (i ons.	y for no C) Incol 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	res for th t achievi rrect bec acility R GP 100-2	e facility, in ng criticality ause ALL r eference N 2	cluding or with all c ods must i	erating those ontrol rods to be inserted.	se controls a fully withdraw (D) Incorrection ce Section	ssociate	d with p ect resp applies ge No	onse is ( to halted <b>Revisi</b>	ipment 1 A). (B) i i startup	hat s action s during	
KA Si Expla Answ React Materi Quest	ination ers: or stan	A c c c fr fr Re rtup pro- quired 1 purce:	Yer Attach or criticali evere we ference cedures for Exam	inment B, Cor ity below Lo- affrer condition Title	ntingenc 2 RIL. (i ons.	y for no C) Incol 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	res for th t achievi rrect bec acility R GP 100-2	e facility, in ng criticality ause ALL r eference N 2	cluding or with all c ods must i	erating those ontrol rods to be inserted.	se controls a fully withdraw (D) Incorrection ce Section	ssociate	d with p ect resp applies ge No	Dant equ onse is ( to halted	ipment 1 A). (B) i i startup	hat s action s during	
KA Si Expla Answ React Materi Quest	ination ers: or stan	A c c c fr fr Re rtup pro- quired 1 purce:	Yer Attach or criticali evene we ference cedures	inment B, Cor ity below Lo- affrer condition Title	ntingenc 2 RIL. (i ons.	y for no C) Incol 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	res for th t achievi rrect bec acility R GP 100-2	e facility, in ng criticality ause ALL r eference N 2	cluding or with all c ods must i	erating those ontrol rods to be inserted.	se controls a fully withdraw (D) Incorrection ce Section	ssociate	d with p ect resp applies ge No	onse is ( to halted <b>Revisi</b>	ipment 1 A). (B) i i startup	hat s action s during	
KA Si Expla Answ	natio ers:	n of P	er Attach or criticali	iment B, Cor ity below Lo- ather conditi	ntingenc 2 RIL. ( ons.	y for no C) Inco	res for th t achievi rrect bec	e facility, in ng criticality ause ALL r	cluding or with all c ods must l	perating those ontrol rods to be inserted.	se controls a fully withdrav (D) Incorre	ssociate vn. Corr ct - only	d with p ect resp applies	Dant equ onse is ( to halted	ióment i A). (B) i I startup	hat s actic s duri	on ng

Que		(iii) [				1.4				
All o	of the followi	ng are the SA	ME for Unit 1 a	nd Unit 2 during Cycle 1	10 operations EX(	CEPT:	******			******
i A										
	• • • • •	a tan g			· .					
· · · · · · · · · · · · · · · · · · ·	l 1999 - Angelan br>1999 - Angelan A		es s	A setting of the set	n an	e e seet en gang				
a.	Shutdown	Margin Limit	for Modes 1.2	3 and 4		ting the second seco		ويتحقق ومتجيمات و		ita inte Antonio Antonio
	·	·····	the second s	والاستراقية والبراد وأدراد البراج المراجع	สีสีสีสารีสีสารเร็จ การใจประว	湖南山 经成本 的复数		h istaan Arite		1
b.	DNBR - R	eactor Coolar	nt System minir	num total flowrate	AND SERVE	and a straight and a	NOR SEASONS	and the second s	Sector and the	<u>e is el 24</u> regerige
c.	Feedwate	pressure dif	erential pressu	Te program		<u> i harring</u>			and a gradient and	
						· · · · · · · · · · · · · · · · · · ·	** ** **			
d.	Control ba	nk insertion li	mits vs. % Rate	ed Thermal Power					*****	
Answe	er c	Exam Level	BCO	gnitive Level Memo			4	:		
[				UIIIIIYE LEVEL 🛛 MAMA	vrv I18522					
KA:	194001G20					cility: Braidwood	Exam		7/1	9/02
1.	194001G20	3 2.2.			Value: 3.3	Section: PWG	RO Group:		7/1 O Group:	9/02
Systen	n/Evolution	3 2.2. Title	3	2 Value: 3.1 SRO	Value: 3.3	Section: PWG	RO Group;	1] SR	0 Group:	1 ERI
Systen	m/Evolution	3   2.2. Title	3	DValue: 3.1 SRO	Value: 3.3	Section: PWG	RO Group;	1] <b>SR</b> (	O Group:	1 ERI
Systen KA Sta Explan	m/Evolution atement:	3 2.2.	3 RC	Value: 3.1 SRO design, procedural, and (B) Incorrect U-1&2 = 3	Value: 3.3	Section: PWG ences between units. rect U-1=85-215psid.	RO Group:	1) SR	O Group:	1 ERI
Systen KA Sta	m/Evolution atement: ( nation of: ( crs:	3 2.2. Title multi-unit) Kn A) incorrect \$ OLR figure 2	3 Rt owledge of the SDM both 1.3%	Value: 3.1 SRO design, procedural, and (B) Incorrect U-1&2 = 3	Value: 3.3	Section: PWG	RO Group:	1) SR	O Group:	1 ERI
Systen KA Sta Explan Answe	m/Evolution atement: ( nation of: ( crs:	3 2.2.	3 Rt owledge of the SDM both 1.3%	Value: 3.1 SRO design, procedural, and (B) Incorrect U-1&2 = 3	Value: 3.3   operational differ 380,900 (C) Corr	Section: PWG ences between units. rect U-1=85-215psid.	<b>RO Group:</b>	1 SR	O Group:	1 ERI
Systen KA Sta Explan Answe	n/Evolution atement: nation of: rs: Re	3 2.2. Title multi-unit) Kn A) incorrect S COLR figure 2 ference Title	3 Rt owledge of the SDM both 1.3%	O Value:       3.1       SRO         design, procedural, and       (B) Incorrect U-1&2 =         Facility Referent         TRM COLR U-1 & U	Value: 3.3 operational differ 380,900 (C) Corr	Section: PWG ences between units. rect U-1=85-215psid,	<b>RO Group:</b>	1 SR	O Group: GEN	1 ERI
Systen KA Sta Explan Answe	m/Evolution atement: ( nation of: ( crs:	3 2.2. Title multi-unit) Kn A) incorrect S COLR figure 2 ference Title	3 Rt owledge of the SDM both 1.3%	Value: 3.1 SRO design, procedural, and (B) Incorrect U-1&2 = Facility Referen	Value: 3.3 operational differ 380,900 (C) Corr nce Number	Section: PWG ences between units. rect U-1=85-215psid, Reference Section	RO Group:	1 SR	O Group:	1 ERI
Systen KA Sta Explan Answe COLR Power /	n/Evolution atement: ( nation of ( c ss: Re Ascension C	3 2.2. Title multi-unit) Kn A) incorrect S COLR figure 2 iference Title	3 R( owledge of the SDM both 1.3% .5.1	O Value:       3.1       SRO         design, procedural, and       (B) Incorrect U-1&2 =         Facility Referent         TRM COLR U-1 & U	Value: 3.3 operational differ 380,900 (C) Corr nce Number	Section: PWG ences between units. rect U-1=85-215psid, Reference Section COLR	RO Group:	d (D) Incor	O Group:	1 ERI
Systen KA Sta Explan Answe COLR Power / Materia	n/Evolution atement: Ination of: Ins: Re Ascension C	3 2.2. Title multi-unit) Kn A) incorrect S COLR figure 2 ference Title SP for Examinat	3 R( owledge of the SDM both 1.3% .5.1	O Value:       3.1       SRO         design, procedural, and       (B) Incorrect U-1&2 =         Facility Referent         TRM COLR U-1 & U	Value: 3.3 operational differ 380,900 (C) Corr nce Number	Section: PWG ences between units. rect U-1=85-215psid, Reference Section COLR	RO Group:	d (D) Incor	O Group:	1 ERI
Systen KA Sta Explan Answe COLR Power / Materia Questio	n/Evolution atement: [( nation of ] ( ors: Re Ascension C al Required on Source:	3 2.2. Title multi-unit) Kn A) incorrect S COLR figure 2 ference Title SP for Examinat	3 R( owledge of the SDM both 1.3% .5.1	O Value:       3.1       SRO         design, procedural, and       (B) Incorrect U-1&2 =         Facility Referent         TRM COLR U-1 & U	Value: 3.3 operational differ 380,900 (C) Corr ice Number	Section: PWG ences between units. rect U-1=85-215psid, Reference Section COLR	RO Group;         I           U-2=80-220psid         I           Page No:         I           5,5,17         I           I         I	1 SR d (D) Incor Revision 3,2	0 Group: GEN rrect per L.O. Numb	ber
Systen KA Sta Explan Answe COLR Power / Materia Questio	n/Evolution atement: Ination of: Ins: Re Ascension C	3 2.2. Title	3 R( owledge of the SDM both 1.3% .5.1	O Value:       3.1       SRO         design, procedural, and       (B) Incorrect U-1&2 =         Facility Referent         TRM COLR U-1 & U         BwGP 100-3         Question Modification	Value: 3.3 operational differ 380,900 (C) Corr ice Number	Section: PWG ences between units. rect U-1=85-215psid, Reference Section COLR	RO Group:	1 SR d (D) Incor Revision 3,2	0 Group: GEN rrect per L.O. Numb	ber
Systen KA Sta Explan Answe COLR Power / Materia Questio Questio	n/Evolution atement: [( ation of ] [( crs: Re Re Ascension C al Required on Source C	3 2.2. Title Title Title Title Turnit) Kn A) incorrect S COLR figure 2 ference Title For Examinat New Omments	3 R(	O Value:       3.1       SRO         design, procedural, and       (B) Incorrect U-1&2 =         Facility Referent         TRM COLR U-1 & U         BwGP 100-3         Question Modification	Value: 3.3 operational differ 380,900 (C) Corr ice Number	Section: PWG ences between units. rect U-1=85-215psid, Reference Section COLR	RO Group;         I           U-2=80-220psid         I           I         5.5.17           I         I	1 SR d (D) Incor Revision 3,2	0 Group: GEN rrect per L.O. Numb	ber
Systen KA Sta Explan Answe COLR Power / Materia Questio Questio	n/Evolution atement: [( ation of ] [( crs: Re Re Ascension C al Required on Source C	3 2.2. Title Title Title Title Turnit) Kn A) incorrect S COLR figure 2 ference Title Ference Title New New Omments	3 R( 3 R( 3 R( 3 R( 5 R(	D Value:       3.1       SRO         design, procedural, and       (B) Incorrect U-1&2 =:         Facility Referent       TRM COLR U-1 & U         BwGP 100-3       0         Question Modification       DC Cook	Value: 3.3 l operational differ 380,900 (C) Corr Icce Number	Section: PWG ences between units rect U-1=85-215psid, Reference Section COLR 100-3A9	Page No.           5,5,17           9           0.2280-220psid	1 SR d (D) Incor Revision 3,2 g Training	C Group: GEN GEN C. Númi	ber
Systen KA Sta Explan Answe COLR Power / Materia Questio Questio	n/Evolution atement: [( ation of ] [( crs: Re Re Ascension C al Required on Source C	3 2.2. Title Title Title Title Turnit) Kn A) incorrect S COLR figure 2 ference Title Ference Title New New Omments	3 R( 3 R( 3 R( 3 R( 5 R(	O Value:       3.1       SRO         design, procedural, and       (B) Incorrect U-1&2 =         Facility Referent         TRM COLR U-1 & U         BwGP 100-3         Question Modification	Value: 3.3 l operational differ 380,900 (C) Corr Icce Number	Section: PWG ences between units rect U-1=85-215psid, Reference Section COLR 100-3A9	RO Group:	1 SR d (D) Incor Revision 3,2 g Training eviews Cc	C Group: GEN GEN C. Númi	ber
Systen KA Sta Explan Answe COLR Power / Materia Questio Questio	n/Evolution atement: [( ation of ] [( crs: Re Re Ascension C al Required on Source C	3 2.2. Title Title Title Title Turnit) Kn A) incorrect S COLR figure 2 ference Title Ference Title New New Omments	3 R( 3 R( 3 R( 3 R( 5 R(	D Value:       3.1       SRO         design, procedural, and       (B) Incorrect U-1&2 =:         Facility Referent       TRM COLR U-1 & U         BwGP 100-3       0         Question Modification       DC Cook	Value: 3.3 l operational differ 380,900 (C) Corr Icce Number	Section: PWG ences between units rect U-1=85-215psid, Reference Section COLR 100-3A9	RO Group;            U-2=80-220psid            Dage No.         5,5,17           5,5,17            U-2=80-220psid            U-2=80-200psid            U-2=80-200psid            U-2=80-200psid <td>1 SR d (D) Incor Revision 3,2 g Training</td> <td>O Group: GEN GEN Trect per L.O. Númt Program</td> <td>ber</td>	1 SR d (D) Incor Revision 3,2 g Training	O Group: GEN GEN Trect per L.O. Númt Program	ber
Systen KA Sta Explan Answe COLR Power / Materia Questio Questio	n/Evolution atement: [( ation of ] [( crs: Re Re Ascension C al Required on Source C	3 2.2. Title Title Title Title Turnit) Kn A) incorrect S COLR figure 2 ference Title Ference Title New New Omments	3 R( 3 R( 3 R( 3 R( 5 R(	D Value:       3.1       SRO         design, procedural, and       (B) Incorrect U-1&2 =:         Facility Referent       TRM COLR U-1 & U         BwGP 100-3       0         Question Modification       DC Cook	Value: 3.3 l operational differ 380,900 (C) Corr Ice Number	Section: PWG ences between units rect U-1=85-215psid, Reference Section COLR 100-3A9	RO Group:         Image: No.           U-2=80-220psid           Page No.           5,5,17           J <tr< td=""><td>1 SR d (D) Incor Revision 3.2 g Training eviews Cc eer upervisors</td><td>O Group: GEN GEN C. Num C. Num Program</td><td>ber</td></tr<>	1 SR d (D) Incor Revision 3.2 g Training eviews Cc eer upervisors	O Group: GEN GEN C. Num C. Num Program	ber

ope	ening bypas	s isolation	flow control	valves F	e startup pro W043A-D a	rom cold shutd cess on nd FW046A-D o	<u>(1)</u> a on(2	nu must na	ive startup pure	ge logics sat	tisifed befo	re operati	vater ing by
<sup> </sup>	(1)		(2)										
FINITE	aa <b>/</b>							11. avenijandar			i		
a.	Unit 1	Stationale and	Unit 2	to lot neg	S.C	e e e e	行用的国家	NACO FILM	Marin Aris anna	ý eta s	1	* (i.j.	Kalender
b.	Unit 1	the Native	Unit 1 Mars	2.10172.70 <b>2</b> 1	nyincinetto		untility tests to	tha dage gears Anna Angelana Anna Angelana			en e		
				1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -				alan 2011 yang Alamatik Alamatik					and the t
			Unit 2	an dictor	(1)制度和1993年		ti graan geb		engentere Generation	<sup>k</sup> onicitai \$64	is. Unite in	eneraria Anterna	Alekson
d.	Unit 2		Unit 1			tatili at in inter	ana an						
Answe	er a 1	Exam Lo	evel R		litive Level						nine d	े अस्तिम	and the second
KA:	194001G2		2.2.4				<u> </u>	1-	Braidwood	Exar	nDate:	<u>,</u>	7/19/0
· · · · · · · ·	I		2.2.4	KU	Value	2.8 SRO Valu	ie: 3.0*	Section:	PWG	RO Group:		RO Grou	
Syster	m/Evolutio	n Title			]						1 S	CO Grou	<b>9</b> :
·	m/Evolutio		1. 1. 1. 1. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	ल्लिय देखे ।				• <b>&amp;</b> (1-\$2,1);;;	All the second second				[
KA Sta	atement:	· · ·	) Ability to ex		Variations			i statistica	aliternia anas				GENER
KA Sta	atement:	(multi-unit at a facility	) Ability to ex	plain the	variations i	in control board	l layouts, sy	/stems, ins	trumentation a	nd procedur	ral actions t	Detween L	GENER
KA Sta Explan Answe	atement:	(multi-unit at a facilit (A) Correc purge per	) Ability to ex / / nissive ckts	plain the n Unit 1 a (A) is onl	variations i at ~200°F in v correct an	in control board	l layouts, sy Unit 2 oper	/stems, ins ned at NOF	trumentation a	nd procedur 00-3. Unit 2	al actions t	Detween u	GENER
KA Sta Explan Answe	atement:	(multi-unit at a facilit (A) Correc purge per	) Ability to ex / / nissive ckts	plain the n Unit 1 a (A) is onl	variations i at~200°F in y correct an	in control board GP 100-1. On swer.	l layouts, sy Unit 2 ope	/stems, ins ned at NOF	trumentation a 2/NOT in GP 10	nd procedur 00-3. Unit 2	al actions t	Detween u	GENER Junits
KA Sta Explan Answe	atement:	(multi-unit at a facilit (A) Correc purge per eference	) Ability to ex /. tt - opened o nissive ckts Title	plain the n Unit 1 a (A) is onl	variations i at ~200°F in y correct an	in control board I GP 100-1. On swer.	l layouts, sy Unit 2 ope umber	/stems, ins ned at NOF	trumentation a	nd procedur 00-3. Unit 2 Page No	al actions t	Detween u	GENERI Junits
KA Sta Explan Answe Plant H	atement:	(multi-unit at a facilit (A) Correc purge per eference	) Ability to ex / / nissive ckts	plain the n Unit 1 a (A) is onl	variations i at ~200°F in y correct an Facilit 1BwGP 10	in control board I GP 100-1. On Iswer. Y Reference N 00-1	l layouts, sy Unit 2 ope umber	/stems, ins ned at NOF Reference	trumentation a 2/NOT in GP 10 29 Section	nd procedur 00-3- Unit 2 Page No 31	al actions I still maints	Detween u	GENERI Junits
KA Sta Explan Answe Plant H	atement: nation of ers: R featup Proc	(multi-unit at a facilit (A) Correc purge per eference	) Ability to ex /. tt - opened o nissive ckts Title	plain the n Unit 1 a (A) is onl	variations i at ~200°F in y correct an	in control board I GP 100-1. On Iswer. Y Reference N 00-1	l layouts, sy Unit 2 ope umber	/stems, ins ned at NOF Reference	trumentation a 2/NOT in GP 10	nd procedur 00-3. Unit 2 Page No	al actions I	Detween u	GENERI Junits
KA Sta Explan Answe Plant H Power	atement: nation of ers: R featup Proc	(multi-unit at a faciliti (A) Correc purge perm eference redure	) Ability to ex / t - opened o nissive ckts Title	plain the n Unit 1 a (A) is onl	variations i at ~200°F in y correct an Facilit 1BwGP 10	in control board I GP 100-1. On Iswer. Y Reference N 00-1	l layouts, sy Unit 2 ope umber	/stems, ins ned at NOF Reference	trumentation a 2/NOT in GP 10 29 Section	nd procedur 00-3- Unit 2 Page No 31	al actions I still maints	Detween u	GENER Junits
KA Sta Explan Answe Plant H Power / Materia	atement: nation of ers: R leatup Proc Ascension	(multi-unit at a facilit (A) Correc purge per eference edure	) Ability to ex / t - opened o nissive ckts Title	plain the n Unit 1: (A) is onl	variations i at ~200°F in y correct an Facilit 1BwGP 10 2BwGP 10	in control board GP 100-1. On iswer. y Reference N 00-1 00-3	l layouts, sy Unit 2 oper	/stems, ins ned at NOF Reference	trumentation a 2/NOT in GP 11 2• Section	nd procedur 00-3. Unit 2 Page No ] 31 ] 44	ral actions I still mainta Revisio	n ON	SENER Inits ss
KA Sta Explan Answe Plant H Power / Materia Questio	atement: mation of procession fleatup Procession Ascension	(multi-unit at a facility (A) Correc purge peri- eference edure	) Ability to ex / t - opened o nissive ckts Title ination	plain the n Unit 1: (A) is onl	variations i at ~200°F in y correct an Facilit 1BwGP 10 2BwGP 10	in control board I GP 100-1. On Iswer. Y Reference N 00-1	l layouts, sy Unit 2 oper	/stems, ins ned at NOF Reference	trumentation a 2/NOT in GP 11 2• Section	nd procedur 00-3- Unit 2 Page No 31	ral actions I still mainta Revisio	n ON	SENER Inits ss
KA Sta Explan Answe Plant H Power / Materia Questio	atement: nation of [ ers: R featup Proc Ascension al Required on Source:	(multi-unit at a facility (A) Correc purge peri- eference edure	) Ability to ex / t - opened o nissive ckts Title ination	plain the n Unit 1: (A) is onl	variations i at ~200°F in y correct an Facilit 1BwGP 10 2BwGP 10	in control board GP 100-1. On iswer. y Reference N 00-1 00-3	l layouts, sy Unit 2 oper	/stems, ins ned at NOF Reference	trumentation a 2/NOT in GP 11 2• Section	nd procedur 00-3. Unit 2 Page No ] 31 ] 44	ral actions I still mainta Revisio	n ON	SENER Inits SS
KA Sta Explan Answe Plant H Power / Materia Questio	atement: mation of an	(multi-unit at a facility (A) Correc purge peri- eference edure	) Ability to ex t - opened o missive ckts Title ination	plain the n Unit 1: (A) is onl	variations i at ~200°F in y correct an Facilit 1BwGP 10 2BwGP 10	in control board GP 100-1. On iswer. y Reference N 00-1 00-3	I layouts, sy Unit 2 oper umber	Astems, ins med at NOF Reference F:39 F.40	trumentation a P/NOT in GP 11 P Section	nd procedur 00-3. Unit 2 Page No 31 44	al actions I still maint Revisio	petween L ains bypas n LO-N	JENER Jinits SS Jümber
KA Sta Explan Answe Plant H Power / Materia Questio	atement: mation of an	(multi-unit at a facilit (A) Correc purge per eference edure for Exam	) Ability to ex t - opened o missive ckts Title ination	plain the n Unit 1: (A) is onl	variations i at ~200°F in y correct an Facilit 1BwGP 10 2BwGP 10	in control board GP 100-1. On iswer. y Reference N 00-1 00-3	I layouts, sy Unit 2 oper umber	/stems, ins ned at NOF Reference	trumentation a P/NOT in GP 11 P Section	nd procedur 00-3. Unit 2 Page No 31 44 Used Durr	al actions I still mainta Revisio	petween L ains bypas n LO-N	JENER Jinits SS Jümber
KA Sta Explan Answe Plant H Power / Materia Questio	atement: mation of an	(multi-unit at a facilit (A) Correc purge per eference edure for Exam	) Ability to ex t - opened o missive ckts Title ination	plain the n Unit 1: (A) is onl	variations i at ~200°F in y correct an Facilit 1BwGP 10 2BwGP 10	in control board GP 100-1. On iswer. y Reference N 00-1 00-3	I layouts, sy Unit 2 oper umber	Astems, ins med at NOF Reference F:39 F.40	trumentation a P/NOT in GP 11 P Section	nd procedur 00-3. Unit 2 Page No 31 44 Used Durr	al actions I still maints Revisio	petween u ains bypas n LOIN g Progra	JENER Jinits SS Jümber
KA Sta Explan Answe Plant H Power / Materia Questio	atement: mation of an	(multi-unit at a facilit (A) Correc purge per eference edure for Exam	) Ability to ex t - opened o missive ckts Title ination	plain the n Unit 1: (A) is onl	variations i at ~200°F in y correct an Facilit 1BwGP 10 2BwGP 10	in control board GP 100-1. On iswer. y Reference N 00-1 00-3	I layouts, sy Unit 2 oper umber	Astems, ins med at NOF Reference F:39 F.40	trumentation a P/NOT in GP 11 P Section	nd procedur 00-3. Unit 2 Page No 31 44 Used Duri	al actions I still mainta Revisio	petween u ains bypas n LOIN g Progra	JENER Jinits SS Jümber

•

asser	ter than mblies within	(1) feet of containment in of containment	order to	(2)	over the top of the i	eactor pressure vessel	nange during r	movement of	irradiated fuel
-1	_(1)	(2)							
a.	23	Have suffic 10% iodine assembly.	cient water de e gap activity	epth available to released from t	remove 99% of the he rupture of an irra	assumed testidenter diated fuel	Man Saadi iya actioty eelee aa	nan Hangaran Fasa ana sar	in a state of the
b.	20 	Provide su	fficient water	volume to allow	time for the operat	or to can exceed		and the second	and the second
c.	23	Maintain s	ufficient wate	er volume as a h	eat sink for core co wide long term dec	nling in the			
d.	20	Maintain s	ufficient wate	er above the top	of the fuel assembl	es to ensure			
ad the straight	in the Artic	that the rad	diation levels remains belo	at the operating	elevation for tuel r	andling	r an i thur an	an a	and the second s
Answe	r a f		and the second second second second		Memory		d Secol Exa	mDate:	7/19/0
	194001G225	2.2.25	RON	······································	1				
System	n/Evolution	Title	ulturia de la balla	<b>/alue:</b> 2.5	SRO Value: 3	7 Section: PWG	RO Group	_ 1] SR	O Group:
Systen KA Sta	n/Evolution	Title	ulturia de la balla	<b>/alue:</b> 2.5	SRO Value: 3	7 Section: PWG	RO Group	_ 1] SR	O Group:
System KA Sta	n/Evolution tement:	Title nowledge of bas	es in technica	Value: 2.5	SRO Value: 3	7 Section: PWG	RO Group		O Group:
System KA Sta	i/Evolution tement: Ki ation of (A	Title nowledge of bas	es in technica M 3.9.e and	Value: 2.5 al specifications TS (old) basis for	SRO Value: 3	7 Section: PWG	<b>RO Group</b> afety limits.	I I SR	O Group:
System KA Sta Explan Answe	tement: Ki ation of S:	nowledge of bass	es in technica M 3.9.e and	Value: 2.5 al specifications TS (old) basis fo	SRO Value: 3.	7 Section: PWG 15 for operations and s 26 water depth during r	BO Group	el in containm	C Group:
System KA Sta Explan Answe	tement: Ki ation of S:	Title howledge of base ) Correct per TR	es in technica M 3.9.e and	Value: 2.5 al specifications TS (old) basis fo	SRO Value: 3.	7 Section: PWG Is for operations and s ad water depth during r	BO Group	el in containm	O Group:
System KA Sta Explan Answei	tement: Ki ation of S:	nowledge of bass	es in technica M 3.9.e and	Value: 2.5 al specifications TS (old) basis fo	SRO Value: 3.	7       Section:       PWG         15 for operations and s       PWG         16 for operations and s       PWG         17       Reference Section         18       3.9.e-1	BO Group	el in containm	C Group:
System KA Sta Explan Answei TRM FH LP	tement: Ki ation of S:	nowledge of bass	es in technica M 3.9.e and	Value: 2.5 al specifications TS (old) basis fo	SRO Value: 3	7 Section: PWG Is for operations and s ad water depth during r	Afety limits. novement of fur <b>n</b> Page N 1	[1] SR     [sr     ]	C Group:
System KA Sta Explan Answel TRM FH LP TS 3/4 S	/Evolution f tement: ki ation of (A rs: Ref 9.10 (old)	Title nowledge of basis ) Correct per TR erence Title	es in technica M 3.9.e and	Value: 2.5 al specifications TS (old) basis for Facility Ro	SRO Value: 3	7       Section:       PWG         15       for operations and s         15       for operations and s         20       water depth during r         3.9.e-1       Ch. 52	BO Group	el in containm	C Group:
System KA Sta Explan Answei TRM FH LP TS 3/4 9 Materia	1/Evolution tement: Ation of rs: Ref 9.10 (old)	Title nowledge of basis ) Correct per TR erence Title or Examination	es in technica M 3.9.e and	Value: 2.5 I specifications TS (old) basis for Facility R TS Basis (old)	SRO Value: 3.	7       Section:       PWG         hs for operations and sections are sections and sections are sec	Afety limits. novement of fur Page N 1 9-3	1         SR           el in containm         1           0         Revision           1	O Group: GENER hent. 1 1 7 1 1
System KA Sta Explan Answe TRM FH LP TS 3/4 9 Materia Questic	1/Evolution tement: Ation of rs: Ref 9.10 (old) I Required for m Source:	Title Description	es in technica M 3.9.e and M 3	Value: 2.5 al specifications TS (old) basis for Facility Re Facility Re TS Basis (old) Question Modif	SRO Value: 3	7       Section:       PWG         15       for operations and s         15       for operations and s         20       water depth during r         3.9.e-1       Ch. 52	Afety limits. novement of fur Page N 1 9-3	[1] SR     [sr     ]	O Group: GENER hent. 1 1 7 1 1
System KA Sta Explan Answe TRM FH LP TS 3/4 9 Materia Questic	1/Evolution tement: Ation of rs: Ref 9.10 (old)	Title Description	es in technica M 3.9.e and	Value: 2.5 al specifications TS (old) basis for Facility Re Facility Re TS Basis (old) Question Modif	SRO Value: 3.	7       Section:       PWG         hs for operations and sections are sections and sections are sec	Afety limits. novement of fur Page N 1 9-3	1         SR           el in containm         1           0         Revision           1	O Group: GENER hent. 1 1 7 1 1
System KA Sta Explan Answei TRM FH LP TS 3/4 9 Materia Questio	n/Evolution tement: ation of rs: Ref 9.10 (old) I Required fr m Source: m Source Cr	Title nowledge of bass ) Correct per TR erence Title or Examination Facility Exam pmments 199	es in technica M 3.9.e and Bank [ 8 Salem NR0	Value: 2.5 al specifications TS (old) basis for Facility Re Facility Re TS Basis (old) Question Modif	SRO Value: 3.	7       Section:       PWG         As for operations and sections are sections.       Section:         8       Reference Sections and sections are sections.       Section:         3.9.e-1       Ch. 52       Basis         Direct From Source       Sections       Sections	RO Group	I SR I Container <	C Group: GENER hent 1 7 9 Program
System KA Sta Explan Answei TRM FH LP TS 3/4 9 Materia Questio	n/Evolution tement: ation of rs: Ref 9.10 (old) I Required fr m Source: m Source Cr	Title Description	es in technica M 3.9.e and Bank [ 8 Salem NR0	Value: 2.5 al specifications TS (old) basis for Facility Re Facility Re TS Basis (old) Question Modif	SRO Value: 3.	7       Section:       PWG         As for operations and sections are sections.       Section:         8       Reference Sections and sections are sections.       Section:         3.9.e-1       Ch. 52       Basis         Direct From Source       Sections       Sections	Afety limits. novement of fur Page N 1 9-3	<pre>     1 SR     1 SR     1</pre>	O Group: GENER hent. 1 1 7 1 1
System KA Sta Explan Answei TRM FH LP TS 3/4 9 Materia Questio	n/Evolution tement: ation of rs: Ref 9.10 (old) I Required fr m Source: m Source Cr	Title nowledge of bass ) Correct per TR erence Title or Examination Facility Exam pmments 199	es in technica M 3.9.e and Bank [ 8 Salem NR0	Value: 2.5 al specifications TS (old) basis for Facility Re Facility Re TS Basis (old) Question Modif	SRO Value: 3.	7       Section:       PWG         As for operations and sections are sections.       Section:         8       Reference Sections and sections are sections.       Section:         3.9.e-1       Ch. 52       Basis         Direct From Source       Sections       Sections	RO Group	<pre>     [ 1] SR     [ SR     ]     ]     [ 1] SR     ]     ]     ]     [ 1]     ]     [ 1]     ]     ]     [ A86     ]     ]     ]     [ A86     ]     ]     [ Reviews C     ]     ]     ]     [     ]     ]     [     ]     [     ]     ]     ]     ]     ]     ]     ]     ]     ]     ]     ]     ]     [     ]     ]     ]     ]     [     ]     ]     ]     [     ]     ]     ]     [     ]     ]     ]     [     ]     ]     ]     [     ]     ]     ]     [     ]     ]     [     ]     ]     [     ]     ]     [     ]     ]     [     ]     ]     [     ]     ]     [     ]     ]     [     ]     ]     [     ]     [     ]     ]     [     ]     [     ]     [     ]     [     ]     [     ]     ]     [     ]     [     ]     ]     [     ]</pre>	C Group: GENER
System KA Sta Explan Answei TRM FH LP TS 3/4 9 Materia Questio	n/Evolution tement: ation of rs: Ref 9.10 (old) I Required fr m Source: m Source Cr	Title nowledge of bass ) Correct per TR erence Title or Examination Facility Exam pmments 199	es in technica M 3.9.e and Bank [ 8 Salem NR0	Value: 2.5 al specifications TS (old) basis for Facility Re Facility Re TS Basis (old) Question Modif	SRO Value: 3.	7       Section:       PWG         As for operations and sections are sections.       Section:         8       Reference Sections and sections are sections.       Section:         3.9.e-1       Ch. 52       Basis         Direct From Source       Sections       Sections	RO Group	<pre>     1 SR     1 SR     1</pre>	C Group: GENER

- R - 7/ - 7/ - 7/ - 7/ - 7/ - 7/	Reactor was tri /22/02 0900 /22/02 1300 /23/02 0600 /23/02 2300	Entered Mode 3, HC Entered Mode 4, HC Entered Mode 5, CO Entered Mode 6, RE	r during a normal coastdown for refuelin IT STANDBY IT SHUTDOWN ILD SHUTDOWN FUELING	an a			
Tthe	earliest that f _(1)	el movement in the	reactor vessel is allowed will be	(1) to ensure that(2	2 <u>)</u> .		
a.	7/25/02 11	00	Short lived fission products have deca	yed			
<b>b</b> .	7/25/02 11	00	Decay heat removal ability is adequat	e, 01.1204 (01.12), n.3	halen), prog	West And	
¢,	7/26/02 13	00	Short lived fission products have deca	ayed	s 2155 1	ing the second	
đ.	7/26/02 13	00	Decay heat removal ability is adequate	e			
Answe		xam Lever 5	Cognitive Level Application	Facility: Braidwood	1 Examt	Date:	7/19/02
KA:   Systen KA Sta	194001G228 n/Evolution atement:	ILLE 2.2.28	RO Value:     2.6     SRO Value:       spent fuel movement procedures.	Facility:     Braidwood       3.5     Section:     PWG		1 SRO G	roup: 1
KA:   Systen KA Sta	194001G228 m/Evolution atement: Kr nation of FF ors: 7/	Image: 1 state of the state	RO Value: 2.6 SRO Value:	Facility:     Braidwood       3.5     Section:     PWG       Image: section in the	RO Group:	1 SRO G	roup:11
KA:   System KA Sta Explan Answe	194001G228 m/Evolution atement: Kr hation of prs: U	2.2.28 The iowledge of new and RM 3.9.a calls for 100 26/02 @ 1300. TS B	RO Value:       2.6       SRO Value:         spent fuel movement procedures.         hours subcritical before fuel movement asis (old) defines the basis as ensuring	Facility:       Braidwood         3.5       Section:       PWG         Image: section:       PWG       PWG         Image: section: </td <td>RO Group:</td> <td>1 SROG 3 days, 4 hours 1 off for radioac</td> <td>roup: 1 GENERI</td>	RO Group:	1 SROG 3 days, 4 hours 1 off for radioac	roup: 1 GENERI
KA: Systen KA Sta Explan Answe	194001G228 m/Evolution atement: Kr hation of prs: U	Itle         Itle         nowledge of new and         RM 3.9.a calls for 100         26/02 @ 1300. TS B         Incents         Brence Title	RO Value:     2.6     SRO Value:       spent fuel movement procedures.       hours subcritical before fuel movement	Facility       Braidwood         3.5       Section:       PWG         mts can begin. (7/22/02 @ 0900 g the short lived fission products	RO Group:	1 SRO G	roups 1 GENERI
KA: Systen KA Sta Explan Answe Tech R Tech S	194001G228 m/Evolution atement: kr ination of rs: 7/ 7/ 00 Ref Requirements ipecs (old)	Itle         Itle         nowledge of new and         RM 3.9.a calls for 100         26/02 @ 1300. TS B         Incents         Brence Title	RO Value:       2.6       SRO Value:         spent fuel movement procedures.         hours subcritical before fuel movement asis (old) defines the basis as ensuring         Facility Reference Num	Facility:     Braidwood       3.5     Section:     PWG       1     Section:     PWG	RO Group: + 100 hours (3 have decayed	1 SROG days, 4 hours off for radioac	roups 1 GENERI
KA: System KA Sta Explan Answe Tech R UFSAR	194001G228 m/Evolution atement: kr hation of frs: 7/ 7/ brs: Ref Requirements specs (old) R	2.2.28 itle iowledge of new and RM 3.9.a calls for 100 26/02 @ 1300. TS B incems erence Title Manual	RO Value:       2.6       SRO Value:         I spent fuel movement procedures.         ) hours subcritical before fuel movemer asis (old) defines the basis as ensuring         Facility Reference Num	Facility:       Braidwood         3.5       Section:       PWG         attraction       PWG       PWG         attraction       PWG       PWG         attraction       PWG       PWG         attraction       PWG       PWG	RO Group: + 100 hours (3 have decayed Page No. a-1	1 SRO G days, 4 hours off for radioac Revision L 17	roup: 1 ] GENERI )= :tivity
KA: System KA Sta Explan Answe Tech R Tech R UFSAR Materia	194001G228 m/Evolution atement: Fration of ors: Ref Requirements specs (old) R al Required for	2.2.28 Title iowledge of new and RM 3.9.a calls for 100 26/02 @ 1300. TS B incents Brence Title Manual Dr Examination	RO Value:       2.6       SRO Value:         I spent fuel movement procedures.         ) hours subcritical before fuel movemer asis (old) defines the basis as ensuring         Facility Reference Num	Facility:       Braidwood         3.5       Section:       PWG         state       PWG       PWG         nts can begin. (7/22/02 @ 0900       0900         g the short lived fission products         ber       Reference Section         9       3/4 9.3	RO Group: + 100 hours (3 have decayed Page No. a-1	1 SRO G days, 4 hours off for radioac Revision L 17	roup: 1 ] GENERI )= :tivity
KA: System KA Sta Explan Answe Tech R Tech S UFSAR Materia Questic	194001G228 n/Evolution atement: kr brs: 7// brs: 7// co Ref Requirements specs (old) R al Required for on Source:	2.2.28         Ittle         iowledge of new and         RM 3.9.a calls for 100         26/02 @ 1300. TS B         incents         arrence Title         Manual         br Examination         Other Facility	RO Value:       2.6       SRO Value:         I spent fuel movement procedures.         ) hours subcritical before fuel movemer asis (old) defines the basis as ensuring         Facility Reference Num	Facility       Braidwood         3.5       Section:       PWG         nts can begin. (7/22/02 @ 0900 g the short lived fission products         ber       Reference Section         9       3/4 9.3         15.7	RO Group:         + 100 hours (3 have decayed         Page No.         a-1         9-1	1 SRO G days, 4 hours off for radioac Revision L 17	roup: 1 GENERI )= tivity Q. Number
KA: System KA Sta Explan Answe Tech R Tech S UFSAR Materia Questic	194001G228 m/Evolution atement: Fration of ors: Ref Requirements specs (old) R al Required for	2.2.28 The Owledge of new and M 3.9.a calls for 100 Color @ 1300. TS B	RO Value:       2.6       SRO Value:         Ispent fuel movement procedures.         ) hours subcritical before fuel movemer asis (old) defines the basis as ensuring         Facility Reference Num         TRM 3.9.a         Basis	Facility:       Braidwood         3.5       Section:       PWG         ats can begin. (7/22/02 @ 0900       0900         g the short lived fission products         ber       Reference Section         9       3/4 9.3         15.7         significantly Modified	RO Group:         + 100 hours (3 have decayed         Page No.         a-1         9-1	1 SRO G days, 4 hours off for radioac Revision L 17 A56	roup: 1 GENERI )= tivity O. Number

,

New	Fuel Storage V	led following a co becified order of t ault, requires the	approval of	(1) AN	ID(2)	CTL), while tra before any	ansporting fu further action	el to or from t n is taken.	he Spent Fue	el Pool or the
	_(1)		(2)							
	1-3-4-1			· ·	• • •					
a.	System Engin	eering Superviso	r Station	Nuclear Materia	ls Custodian			uka Belak ku se w		
<b>b.</b>	Qualified Nucle	ear Engineer				And Sector	한 나라고, 기가 것 것 같아요. 한 눈	2、13、13、13、13、13、13、13、13、13、13、13、13、13、		
				ndling Supervise	or the lies of	Man Linjaid Roberto			d.Coperation	<u>is ngan</u> ta
C.	System Engine	ering Supervisor	Fuel Ha	ndling Superviso	or Cysteen salar	areneo Saine	1920) 1920) 1920)	Stand to develop		<u> - 11 - 12 - 12 - 12 - 12 - 12 - 12 - 1</u>
d.	Qualified Nucle	ar Engineer				Set og såre de le	anti di 1947	and developed a series as		299948119924954 
			Station I	Nuclear Material	s Custodian	Cinizaric,	- Selen and Arthur	Bristler, 1		
Answe	r a Exa	m Level S	Cognitive I	evel Memo	ry	Facility: Br	aidwood	Exam	Date:	
KA:	194001G231	2.2.31	RO Value	2.2 SRO	Value: 2.9*		2	RO Group:		7/19/
System	/Evolution Title			72 \$ GARA					1 [SRO	Group:
KA Stat	tement:			and the set of the set	Station -					ويستعقبها والمستعقبة
Evolar	the second s	ledge of procedu	res and limitati	ons involved in i	nitial core load	ind		e portante Alternational	s and a second	<u>lander (</u> Mandella M
Answer	s: chang	wAP 370-3, (A) ( ge the intent of th	Only correct res e procedures.	ponse. (B,C,D)	Incorrect - all c	ombinations o	of allowable r	eviewers for	actions that d	o not
	Poforo	nce Title	4 12 49 19 19 19	如4月15日公司的4月1	activitada harra			<u>Barranan</u> Karang	ne (FA) propio terrest c	
Adminis	trative control di		definition of the second se			ivererettice	Section	Page No.	Revision	L.O. Numbe
1				P 370-3	<u>es april 1990</u>	C.1.0	dat se trave	6	27	
Material	Required for E	xamination				J			_	
		lew					2		· · · · · ·	+
	n Source Comn			on Modification	1 Method:			Used Durin	g Training P	rogram
				-						
Commen	t Type Com	ment								
SRO	Fuel	ment Handling procedu	ires		<u>.</u>	41.		Rectanges F	eviews Com	iplete
									eer	
	i i								upervisory	

	<ul> <li>All controllir</li> </ul>	wer is 75%, steac ng systems are op pulse pressure tra	perating in Au	tomatic	50% value.					
Co	ontrol rods wi	ill respond by imr	nediately step	ping(1)	at(2	2) steps pe	r minute.			
.	_(1)	_(2)								
	a. IN	72								Pellon (Alaria
	b. OUT	. 72			anushi Osj	and the second	an Theodore and a state	enstarie enjiza	til naster	nent de side estas > Sid I - Aneriae
	c. OUT	8	and a second	and a second and a second	a an ta chuir an ta	in in the state of the Atlantic Articles and		and the second		an a
n	d. IN	8		ىرىدى يونۇرىمى بىرمەت ئىلىد		e ger i vite vet e reste en e				tria (ni γt−stiev strift). Lia (ni γt−stiev strift)
E COLOR		-						din an an an an Angel An an Anna	And with the left	the second s
	wer a			nitive Level		Facility:	Braidwood	Exam	Date:	7/19/02
KA: Svst	194001G		3 RC	Value: 2.		2.9 Sectio	1	RO Group:		O Group:
- / - /			····			"hijidarsi Sosa	6	the the second	1 a 1 a	GENERI
KAS	Statement:	Constants for each of the	ang							
	Statement:	Knowledge of c	ontrol rod prog	gramming.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	teret in the state		モイ とうり 感知		
		Knowledge of c	ontrol rod prog	gramming.	or a delta of 20°E	At 7607 10		్రదహిష్ -		ina ing pangangang pangang pang Pangang pangang
	lanation of wers:	Knowledge of c (A) Correct - Ta (.5)(29)+(557)={ The - Tave.	ontrol rod prog ve program is 571.5°F. A 7.	gramming. 557°F-586°F, 25°F mismatch	or a delta of 29°F i exists. Rods will	. At 75% tave is step in at 72 ste	(.75)(29)+557≒ ps/min with any	578.75°F. Tre thing greater t	f at 50% va han a 5°F i	alue is nismatch if
Ø Expl Ansv	lanation of wers:	Knowledge of co (A) Correct - Ta (.5)(29)+(557)=(	ontrol rod prog ve program is 571.5°F. A7.	gramming. 557°F-586°F, 25°F mismatch	or a delta of 29°F i exists: Rods will	. At 75% tave is step in at 72 ste	(.75)(29)+557≒ ps/min with any	578.75°F. Tre thing greater t	f at 50% va han a 5°F i	alue is mismatch If
Expl Ansv	lanation of wers:	Knowledge of c (A) Correct - Ta (.5)(29)+(557)={ Tet > Tave. Reference Title	ontrol rod prog ve program is 571.5°F. A 7.:	gramming. 557°F-586°F, 25°F mismatch	or a delta of 29°F i exists. Rods will	At 75% tave is step in at 72 step in at 72 step mat 72 step Refere	(.75)(29)+557≒ ps/min with any	578.75°F. Tre thing greater t	f at 50% va han a 5°F i	alue is nismatch if
Expl Ansv	lanation of wers:	Knowledge of c (A) Correct - Ta (.5)(29)+(557)=( <u>Tiel - Tave</u> . Reference Title	ontrol rod prog ve program is 571.5°F. A 7.:	gramming. 557°F-586°F, 25°F mismatch Facility	or a delta of 29°F exists: Rods will / Réference Num	At 75% tave is step in at 72 step in at 72 step in at 72 step iber Refere	(.75)(29)+557= ps/min with any nce Section	578.75°F. Tre thing greater t	f at 50% va han a 5°F i Revisior	alue is mismatch If
Bwd	lanation of wers:	Knowledge of c (A) Correct - Ta (.5)(29)+(557)=( Tiel > Tave. Reference Title	ontrol rod prog ve program is 571.5°F. A 7.2	gramming. 557°F-586°F, 25°F mismatch Facility	or a delta of 29°F exists: Rods will / Réference Num	At 75% tave is step in at 72 ste ber Refere Speed	(.75)(29)+557= ps/min with any nce Section & Direction	578.75°F. Tre thing greater t	f at 50% va han a 5°F i Revisior	alue is mismatch if
Bwd Mate	lanation of wers: Big Notes rial Require	Knowledge of c (A) Correct - Ta (.5)(29)+(557)=( Tet - Tave. Reference Title d for Examinatio	ontrol rod prog ve program is 571.5°F. A 7.2	gramming. 557°F-586°F, 25°F mismatch Facility	or a delta of 29°F exists: Rods will / Réference Num	At 75% tave is step in at 72 ste ber Refere Speed	(.75)(29)+557≕ ps/min with any nce Section & Direction	578.75°F. Tre thing greater t	f at 50% va han a 5°F i Revisior	alue is mismatch if
Bwd Mate Ques	lanation of wers: Big Notes mial Require stion Source	Knowledge of cr (A) Correct - Ta (5)(29)+(557)=( Tef > Tave. Reference Title d for Examination Facility Exa	ontrol rod prog ve program is 571.5°F. A 7.2	gramming. 557°F-586°F, 25°F mismatch Facility	or a delta of 29°F exists: Rods will / Réference Num	At 75% tave is step in at 72 ste ber Speed	(.75)(29)+557≕ ps/min with any nce Section & Direction	578.75°F. Tre thing greater t Page No.	of at 50% vz han a 5°F i Revision	alue is mismatch if
Bwd Mate Ques	lanation of wers: Big Notes mial Require stion Source	Knowledge of c: (A) Correct - Ta (.5)(29)+(557)={ 1)ei - Tave. Reference Title d for Examination	ontrol rod prog ve program is 571.5°F. A 7.2	gramming. 557°F-586°F, 25°F mismatch Facility	or a delta of 29°F exists: Rods will / Réference Num	At 75% tave is step in at 72 ste ber Speed	(.75)(29)+557≕ ps/min with any nce Section & Direction	578.75°F. Tre thing greater t	of at 50% vz han a 5°F i Revision	alue is mismatch if
Bwd Mate Ques	lanation of wers: Big Notes rial Require stion Source	Knowledge of c: (A) Correct - Ta (.5)(29)+(557)=( Tief - Tave. Reference Title // d for Examination Facility Exa Comments	ontrol rod prog ve program is 571.5°F. A 7.2	gramming. 557°F-586°F, 25°F mismatch Facility RD-1	or a delta of 29°F exists: Rods will / Réference Num	At 75% tave is step in at 72 ste ber Refere Speed Speed	(.75)(29)+557= ps/min with any nce Section & Direction	578.75°F. Tre thing greater t	of at 50% vz han a 5°F i Revision	alue is mismatch if
Bwd Mate Ques	lanation of wers: Big Notes mial Require stion Source	Knowledge of cr (A) Correct - Ta (5)(29)+(557)=( Tef > Tave. Reference Title d for Examination Facility Exa	ontrol rod prog ve program is 571.5°F. A 7.2	gramming. 557°F-586°F, 25°F mismatch Facility RD-1	or a delta of 29°F exists: Rods will / Réference Num	At 75% tave is step in at 72 ste ber Refere Speed Speed	(.75)(29)+557≕ ps/min with any nce Section & Direction	578.75°F. Tre thing greater t Page No.	ef at 50% vz han a 5°F i Revision	alue is nismatch if
Bwd Mate Ques	lanation of wers: Big Notes rial Require stion Source	Knowledge of c: (A) Correct - Ta (.5)(29)+(557)=( Tief - Tave. Reference Title // d for Examination Facility Exa Comments	ontrol rod prog ve program is 571.5°F. A 7.2	gramming. 557°F-586°F, 25°F mismatch Facility RD-1	or a delta of 29°F exists: Rods will / Réference Num	At 75% tave is step in at 72 ste ber Refere Speed Speed	(.75)(29)+557= ps/min with any nce Section & Direction	578.75°F. Tre thing greater t Page No.	ef at 50% va han a 5°F ( Revision 3	alue is nismatch if

A. A	Age 46 Cumulated <sup>-</sup>	FEDE dose of 60	10 mrem		vived. Each has an	• •				
	Age 38 Cumulated 1 Has 2 quarte	FEDE dose of 48 ars with an abse	mrem nt/no dose rec	cord						
D. A Ci D. A Ci Ci	Age 25 Cumulated T Cumulated S Cumulated S Cumulated S Cumulated S	EDE dose of 12 DE dose of 6 Re EDE dose of 80 DE dose of 15 n	30 mrem m to the left I mrem rem to the up	hand pper fore arm	Carolina (1) Carolina (1) Carol	den alfansiska sam Øforksærd Solone E vese i 18 mili	s Start,			
		ve operators ca (tensions?	n be assigned	d the task withou	t exceeding any of I	xelon's radiation e	xposure lim	its or subm	itting appr	oval for
, <mark>a.</mark>	Worker A								La constante da	
b.				4		1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -				
C.	Worker C		st of the second s							
<b>d.</b>	Worker D						مىلى ئىغى بەلەت خەتتار بىرىغان. مەرىخە ئىلىغان بىرىغان ئارىخ			(c)
an an an 10 con the second			a sin seri	al - 12 - 54 - 54 - 54		B. Starting Report and Starting and Start			lease is	n an
Answe		<u>و من </u>	<u> </u>		Application	Facility	vood	Exam		7/10/0
Answe		Exam Level	S. Cog		Application	Contraction of the second s	vood			7/19/0
Answe		Exam Level	S   Cog RC	initive Level	Application		vood	Exam Group:		7/19/0 O'Group:
Answe KA: Systen	ar c 194001G30 n/Evolution	Exam Level   2.3.1 Title	S. Cog	Inifive Level	Application SRO Value: 3	0] Section: P	vood WG [ RC	Group:		O Group:
Answe KA: Systen KA Sta	ar c 194001G30 n/Evolution atement:	Exam Level 2.3.1 Title Anowledge of 10 Anorrect - Hi decreased by 12	S Cog RC CFR: 20 and gh lifetime ex 50 mrem for	Diffive Level 2.6	Application SRO Value: 3 adiation control requires this worker to a dose record on file	0 Section: Pl	Vood WG RC	(B) Incorrect	1 SR	O Group:
Answe KA: Systen KA Sta Explan Answe	ar c 194001G30 m/Evolution atement:	Exam Level 2.3.1 Title Anowledge of 10 Anorrect - Hi decreased by 12	S Cog RC CFR: 20 and gh lifetime ex 50 mrem for timit of 50 R	Value 2.6 Value 2.6 d related facility r posure record lin EACH absent/no has not been ext	Application SRO Value: 3 adiation control requires this worker to a dose record on file record (10CF R20)	0 Section P irrements. n annual dose of 10 (C) total dose rece (D) Incorrect - mino	WG RC	(B) Incorrea remain bel	1 SR ct - allowed ow the 200	C Group: GENER d dose is 00 mrem
Answe KA: Systen KA Sta Explan Answe Exposu	ar c 194001G30 n/Evolution atement: nation of c rs: c R	Exam Level 2.3.1 Title (nowledge of 10 (A) Incorrect - Hi decreased by 12 admin limit. SDE	S Cog RC CCFR: 20 and gh lifetime ex 50 mrem for timit of 50 R	Value 2.6 Value 2.6 d related facility r posure record lin EACH absent/no has not been ext	Application SRO Value: 3 adiation control requires this worker to a dose record on file	0 Section: P irements. n annual dose of 10 (C) total dose rece (D) Incorrect - minute	Vood WG RC 000 mrem. ived would or and imite ction	(B) Incorrect	1 SR ct - allowed ow the 200	O Group:
Answe KA: Systen KA Sta Explan Answe	ar c 194001G30 n/Evolution atement: nation of c rs: c R	Exam Level 2.3.1 1 Title 2.3.1 1 Title 4.2 Cnowledge of 10 (A) Incorrect - Hi decreased by 12 admin limit. 3DE eference Title	S Cog RC CCFR: 20 and gh lifetime ex 50 mrem for timit of 50 R	Value: 2.6 Value: 2.6 d related facility r posure record lin EACH absent/no has not been ext Facility R	Application SRO Value: 3 adiation control requires this worker to a dose record on file receded (10017729) eference Number	0 Section: P uirements. n annual dose of 10 (C) total dose rece (D) Incorrect - minute Reference Section	Vood ( WG ] RC 00 mrem. ived would or and limite ction	(B) Incorrect remain beled to 500 m Page No.	1 SR ct - allower low the 200 rem for the Revision	C Group: GENER d dose is 00 mrem
Answe KA: Systen KA Sta Explan Answe Exposu NGET	ar c 194001G30 n/Evolution atement: nation of ors: 2 Re ure Control a	Exam Level 2.3.1 2.3.1 Title 2.3.1 Anowledge of 10 (A) Incorrect - Hi decreased by 12 admin limit. SDE aference Title and Authorizatio	S Cog RC CFR: 20 and gh lifetime ex 50 mrem for timit of 50 R	Initive Level         Value         2.6]         d related facility r         posure record line         EACH absent/no         has not been extended         Facility R         RP-AA-203	Application SRO Value: 3 adiation control requires this worker to a dose record on file receded (10017729) eference Number	0 Section: P irrements. n annual dose of 10 (C) total dose rece (D) Incorrect - mino Reference Sec 4	Vood ( WG ] RC 00 mrem. ived would or and limite ction	(B) Incorrect remain beled to 500 m Page No.	1 SR ct - allower low the 200 rem for the Revision	C Group: GENER d dose is 00 mrem
Answe KA: Systen KA Sta Explan Answe Exposu NGET Materia	ar c 194001G30 m/Evolution itement: pation of ors: 2 2 2 2 2 2 2 2 2 2 2 2 2	Exam Level   2.3.1 i Title   (A) Incorrect - Hi decreased by 12 admin limit. 3DE aference Title and Authorizatio for Examinatio	S Cog RC CFR: 20 and gh lifetime ex 50 mrem for timit of 50 R	Value 2.6 Value 2.6 d related facility r posure record lin EACH absent/no has not been ext Facility R RP-AA-203 Student Study	Application SRO Value: 3 adiation control requires this worker to a dose record on file seeded (10CF FR20) eference Number	0 Section: P irrements. n annual dose of 10 (C) total dose rece (D) Incorrect - mino Reference Sec 4	Vood	(B) Incorrea remain beled to 500 m Page No. 2-5	1 SR ct - allowed ow the 200 rem for the Revision 2	O Group: GENER Gener d dose is 00 mrem e year. L.O. Number 
Answe KA: Systen KA Sta Explan Answe Exposu NGET Materia Questic	ar c 194001G30 n/Evolution atement: nation of ors: 2 Re ure Control a	Exam Level 2.3.1 2.3.1 Title 2.3.1 Title 2.3.1 (nowledge of 10 (A) Incorrect - Hid decreased by 12 admin limit. SDE eference Title and Authorizatio for Examinatio New	S Cog RC CFR: 20 and gh lifetime ex 50 mrem for timit of 50 R	Value 2.6 Value 2.6 d related facility r posure record lin EACH absent/no has not been ext Facility R RP-AA-203 Student Study	Application SRO Value: 3 adiation control requires this worker to a dose record on file receded (10017729) eference Number	0 Section: P irrements. n annual dose of 10 (C) total dose rece (D) Incorrect - mino Reference Sec 4	Vood	(B) Incorrea remain beled to 500 m Page No. 2-5	1 SR ct - allowed ow the 200 rem for the Revision 2	C Group: GENER d dose is 00 mrem

		Generic							
VVhich o	of the following	ng is an SRO resp	onsibility?			:			
1									
						· .			
		· · · ·							
a. P	lacing the pla	acard "Gas Decay	/ Tank Relea	ase In Progress" c	n 0PM02J prior	to commencing a	release		5 - 4 - 1 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5
· · · · ·				- Laurian deliver				V	nd park. States and
<b>b.</b> P	erforming se	cond verification of	A 4 4 4 4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4				the second s	o transfer a Mis	Milikheetstoot
	·······		the second second second	And Beer Sugar Standard State and in	provide the second s	di di di sana she sere	and marine a standard	and the second second	h Di Bailes.
	eternining u	he release rate for	a gas deca	y tank release			n e see se av	taldelightstepse	ASTRACT
		dependent verifica	***********						
							n Na sana ang ang ang ang ang	t dilde : States :	
Answer	a Exa	am Level S	Cognitiv	ve Level Mem	ory	Facility: Braidw		ExamDate:	7/1
KA: 19	4001G303	2.3.3	RO Val	ue: 1.8 SR	Value: 2.9				[
System/E	volution Tit	tioners and the second se						pup: 1	SRO Group:
KA Stater									GEN
		wledge of SRO re ems).	sponsibilitie	s for auxiliany syst		a sign is the week synthesis.	a series de la composición de la compo Composición de la composición de la comp		
1				Section of the sectio	See State States States States		and the second	a constant of a second programmer of the second	
Explanati Answers:	on of A. Co	orrect per referend	ce (B) Incor	recti- cocond vor	for to not me		(C) Incorrect - I	and an a state of the state of	and the second
Kanada and Barris and Barris		ase rate (D) Inco						and the second	
Louis Links		4.00 March 199		Facility Refere	nce Number	Reference Sec	tion Pag	e No.   Revis	ion L.O. Numl
Waste Ga	s Decay Tar	nk Release Form	E	WOP GW-500T1		E.1-14(9-54-5		I 12	
Material R	equired for	Examination	1						
************									
		Facility Exam Bar		estion Modificati	on Method:	Editorially Modifie	ed Used	I During Train	ing Program
Question S	Source Com	ments 2001 B	wd NRC						
		[					an an an the second and		
Comment	Type Con	nment		ALC: NO	ette ja ja ja			Review	Complete
								Peer	
								Supervis	
								Facility	
	]				······································				

	RO SkyScraper SRO Sk	kyscraper RO S	vstem/Evolution List	SRO System/E	volution List Outline	Changes	GNUm 288
	Question Topic Generic	C					
	A Site Area Emergency has direct pathway to the enviro locally isolate the leak. This The operator has a lifetime	s action would signifi	cantly reduce offsite dose	ST is available e and has all r	e. An operator has volun equired approvals from t	teered to enter the Aux the TSC.	Building, a Building to
	What is the maximum expo	sure this operator m	ay receive while performi	ng actions to	isolate this leak?		
	a 5 Rem TEDE	an generaliste om en andere stande en andere stande de service	go farrete i i sont uteo ingen 145 u 134		en de la constance de la const	engeliketteren uit jaargetereg	en e
	b. 15 Rem TEDE					antisi andronom teks and several de de	of the second
		A			Antibility data and a state of the state of th		
	c. 25 Rem TEDE	· .					
	d. 50 Rem TEDE						
	Answer c Exam Lev	vel B Cogn	745-001-00-00-00-00-00-00-00-00-00-00-00-00				
			itive Level Memory		cility: Braidwood	ExamDate:	7/19/02
	KA: 194001G304 2 System/Evolution Title	2.3.4 RO	Value: 2.5 SRO Va	lue: 3.1	Section: PWG	RO Group: 1 Si	RO Group: 1
	KA Statement:			-			GENERI
· · · · · · · · · · · · · · · · · · ·		of radiation exposu	re limits and contaminatio	on control, incl	uding permissible levels	in excess of those aut	horized.
	Explanation of Per EP-AA	-113, Personnel Pro fetime. (C) is correct	tective Actions - 25 Rem	TEDE is the e	mergency exposure limi	t. IT shall be voluntary	and limited to a
	]						
	Personnel Protective Actions	litle .	Facility Reference	Number	Reference Section	Page No. Revisio	n L.O. Number
1,	Exposure Control and Author		EP-AA-113		4.1.3	3 2	
		1240017			4.1.7	<u> 4 2</u>	
Ľ	Material Required for Exami	ination in the second s	/ [				
-							
	Question Source: Facility Question Source Comments		Question Modification N	ietnod:	ignificantly Modified	Used During Trainir	ig Program
	Casedien Gedree Comments						
	Comment Type Comment		un	2	and the second	Davisource	
<b>.</b>						Peer	Complete
						Superviso	xry []
						Facility	
			1110-476-6-8-6-776-776-776-776-776-776-776-776		<u></u>	NRC	]

		stion Topic	Generic											
	Cont	1 is in Mode 4 ainment Purg	4. Containme e Effluent Ra	nt Purge i d monitor	is in prog , exceed	ress using Is the ALE	the Mini-pu RT setpoint.	irge Supply	and Exhaust	Fans. Whi	le the purge	is in progres	s, 1RE-PF	R001,
	Whic	h of the follow	ving must be	performe	d ?									
$\sim$														
an ana 10	<b>a</b> .	MANUALLY	stop the cor	tainment	purge in	progress				e status	A VECTORIES	and the second	n an	
sta deer een stat optige oor ee en oor is oor ee oor ee oorgoniste gijstijjijijiji	Б.	VERIFY con	itainment pur	ge AUTO	MATICA	LLY stops		nie de Later State de Later	use de la constanción br>Na Primi constanción de la constanción d	onderstande sont Alexanderstande	historia linear A. M. Const. (1987)	aleren al araban Az estatus galeren	Madataran Generatira	Markan (
nin napar aga napar a Tang ng n	c.	VERIFY Pos	st LOCA Purg	ë filter un	it AUTO	MATICALL	Y aligns	eranaraaaa Villian Mallor	<u>Balina an</u> ROOGS Prais	allini, unit.	<u>autonash</u> Mutonashi	<u>Chengy Ales</u> Dáite Viel Ima	<u>ala hasing</u> i 3.54 - 7746	nindiates Y 200021
	d.	MANUALLY			( <del>)</del>			· · ·		11. – Acresa	A CONTRACTOR			
*	Answe	r <u>a</u> 194001G309			Cogniti RO Va	ve Level	Memory		<u> </u>	raidwood	RO Group	amDate:		7/19/02
an yan ana yang Ang ang ang ang ang ang ang ang ang ang a	Libert John Dr. C. Contra	n/Evolution T tement:	ītle				, Syrcols	1997		· · · · · · · · · · · · · · · · · · ·			RO Group	
- 1 I P	SUPERIO (	Kn ation of A.	owledge of th Correct. B. e post loca pu	ncorrect.	The AR(	011/12 aut	containment				ses de la	ere is no aul ligning the fi	<i>પ્રત્યુપ્રે સું સ</i>	of TSBN
	<u> 1970 (1970) (1</u>	lini-Purge Sys	erence Title stem Operatio			Facility BwOP VQ- 1-VP-XL-0		in set and set	and <u>Constructions and the spectrum</u>	e Section		lo. Revisi	on <b>E.O.</b> N	umber
	Material	I Required fo	r Examinatio	on market 1				*****						
	Questio	n Source:	Facility Exa		Losense	estion Mo	dification M	Aethod:	Direct From	Source	Used D	uring Traini	ng Progra	
	Commei	nt Type Co	omment (									Reviews Peer Supervis Facility NRC	Complete ory	

	Question Topic Generic				
	Given the following plant conditions:				
	<ul> <li>Unit 1 is at 100% power</li> <li>Unit 2 is at 100% power</li> <li>OPR09J "CC HX Outlet Unit 0 Radiation Mo</li> <li>A confirmed High Alarm has been determine</li> <li>The 0 CC HX has been subsequently isolate</li> </ul>	d by Chemistry			
	The crew should now verify:				
<ul> <li>Anti-Antonio International Construction (Construction)</li> <li>Anti-Construction</li> <li>Anti-Constru</li></ul>	a. Only 1CC017 is closed and enter the LC	O for Unit 1 CCW	n an	- Contract of the American States of the	11
n istvik i	b. Only 2CC017 is closed and enter the LC	O for Unit 2 CCW	and Hallandserverthered		
1		an a	an a		Sales a
	Both 1CC017 and 2CC017 are closed an	d enter the LCO for both units for CCV	Vorbulf Stadiest autobefaiken för	nd brites and this for the second size in	etter in the
केव्यात्र स्त्री ।	Both 1CC017 and 2CC017 are closed an	d do not need to enter a LCO for eithe	runit i Sidëles J	DI A MALASHERD	
* 1. 	Answer c Exam Level R Cogn	itive Level Comprehension	acility: Braidwood	ExamDate: 7/1	9/02
1	KA: 194001G311 2.3.11 RO	/alue: 2.7 SRO Value: 3.2		O Group: 1 SRO Group:	
	System/Evolution Title				
	KA Statement:	and the state of the second states	a 1969 - Santa Maria Maria ang karang sa		
Street, 2, Ma	Ability to control radiation relea			Service and the service of the servi	NR 1 40
		ure signal from the common CC heat o	exchanger rad monitor. Mi	ust enter LCO for both units	era Sara
112.36	Reference Title and the	Facility Reference Number	Reference Section	Page No. Revision L.O. Num	
	Tech Specs	3.7.7	Condition A	3.7.7-1	
		1BwAR 1-0PR09J		1 1E1	
	CC System LP	11-CC-XL-01		7-8 0 7	
	Material Required for Examination				
	Question Source: Facility Exam Bank	Question Modification Method:	Direct From Source	Used During Training Program	
	Question Source Comments 2000 Bwd NRC	Exam		สมาริการ และสมาริการรรษมาตามสามารถสามารถสามาริการรับได้หรือสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสาม	
	Comment Type Comment			Reviews Complete	
				Supervisory	
			unus die open wie in den my e weers en oorste net wie in an op		

	vertently wit	lowing conditions would the the reactor operating	at 100% po	ire immedia ower?	ite entry into 1E	\$wEP-0, "I	Reactor -	Trip or Safety	Injection", if the	e conditior	n were to	o occur
-												
a.	Safety Inj	ection actuation on Tra	in 'A'		an shering	yátájaciyoz	ndek ette	n micheoraith	*****	•		si tarigin
<b>b.</b>	Differentia	al overcurrent on Bus 1	57	i on magni		NTE ATO	en de la compañía de La compañía de la comp	ans est				analisansee of
	Containm	ent Phase A Isolation o	on both Trai	nsiiriitä		i i misint Z	nerent Skil	SANOS P.O.:	<mark>here Canternation per a const</mark> Marine Marine Marine States	naniananan Gertiki etxik	in all the second s Second second	a contra
d.	Loss of In	strument Bus 112 with	PR Instrum	ent N-44 fa	iled distances,				active:	4	h-nt-ini-in	an a
Answe	er c	Exam Level R	Cognitiv	ve Level	Application	Fa	cility:	Braidwood	Exam	Date	•	7/19/02
KA:	194001G4	04 2.4.4	RO Val				Section		RO Group:		RO Gro	
Syster	m/Evolution	n Title										GENERI
Explan		Ability to recognize abr abnormal operating pro	ocedures.		يتي ينه المراجع	ر در و بر از این از محمد از این از	ters whic	h are entry-le		allation in the	• • • • • • •	
Explan Answe	nation of ers:	(A) Incorrect - Rx would (C) Correct - no Rx trip Incorrect - Ro trip occur	d trip, entry occurs, ent	into E-0 is r ter and perf	required (B) In orm 1BwOA PP incis	icorrect - I RI-13, "Re	ters whic Rx would covery fi	h are entry-le trip (loss of 2 om Inadverta	vel conditions ? RCS loops), e nt Phase A Co	entry into E ntainment	-0 is re Isolatio	quired: n" (D)
Explar Answe	nation of ers:	(A) Incorrect - Rx would (C) Correct - no Rx trip	d trip, entry occurs, ent is on loss o	into E-0 is r ter and perf	required (B) ir orm 1BwOA Pr incis Reference Nur	ncorrect - I RI-13, "Re mber	ters whic Rx would covery fi Referen	h are entry-le t trip (loss of 2 om Inadverta ice Section	vel conditions RCS loops), e nt Phase A Co	entry into E ntainment	-0 is re Isolatio	quired: n" (D)
Explar Answe	nation of ers: R ertant Phase	(A) Incorrect - Rx would (C) Correct - no Rx trip Incorrect - Nx trip Incorrect - Nx trip occur Reference Title	d trip, entry occurs, entry is on loss o	into E-0 is r ter and perf f2,PR char Facility BwOA PRI	required (B) ir orm 1BwOA Pr incis Reference Nur	ncorrect - I RI-13, "Re nber	ters whic Rx would covery fi Referen B	h are entry-le t trip (loss of 2 om Inadverta ice Section	vel conditions ? RCS loops), e nt Phase A Co	entry into E ntainment	-0 is re Isolatio on L.O.	quired: n" (D)
Explar Answe	nation of ers: R ertant Phase	(A) Incorrect - Rx would (C) Correct - no Rx trip Incorrect - Ro trip occur Incorrect - Ro trip occur Reference Title	d trip, entry occurs, entry is on loss o	into E-0 is r ter and perf f2,PR char Facility BwOA PRI	required (B) ir form 1BwOA PF mels Reference Nur -13	ncorrect - I RI-13, "Re nber	ters whic Rx would covery fi Referen B	h are entry-le t trip (loss of 2 om Inadverta	vel conditions 2 RCS loops), e nt Phase A Co 2 Page No. 1	entry into E ntainment <b>Revisi</b> c	-0 is re Isolatio on L.O.	quired: n" (D)
Explar Answe Inadve Reacto Materia	nation of ers: R ertant Phase or Trip or Sa al Required	Abnormal operating pro- (A) Incorrect - Rx would (C) Correct - no Rx trip Incorrect - Rx trip occur Incorrect - Rx trip Incorrect - Rx trip Incorect - Rx trip Incorrect - Rx tr	d trip, entry occurs, entry is on loss o	into E-0 is r ter and perf f2,PR char Facility BwOA PRI	required (B) ir form 1BwOA PF mels Reference Nur -13	ncorrect - I RI-13, "Re nber	ters whic Rx would covery fi Referen B	h are entry-le t trip (loss of 2 om Inadverta	vel conditions 2 RCS loops), e nt Phase A Co 2 Page No. 1	entry into E ntainment <b>Revisi</b> c	-0 is re Isolatio on L.O.	quired: n" (D)
Explar Answe Inadve Reacto Materia	ation of ers: Retrant Phase or Trip or Sa al Required on Source:	Abnormal operating provide a contract of the second	d trip, entry occurs, entry is un loss of is	into E-0 is r ter and perf i 2 TN char i 2	required (B) ir form 1BwOA PF mels Reference Nur -13	ncorrect - I RI-13, "Re mber	ters whic Rx would covery fi Referer B B	h are entry-le t trip (loss of 2 om Inadverta	vel conditions 2 RCS loops), e nt Phase A Co 2 Page No. 1	entry into E ntainment   Revisio   55   100wog 	-0 is re Isolatio	quired: n" (D) Number
Explar Answe Inadve Reacto Materia	ation of ers: Retrant Phase or Trip or Sa al Required on Source:	Abnormal operating provide the second	d trip, entry occurs, entry is un loss of is	into E-0 is r ter and perf 12. TR char 2. TR char 5. TR	required (B) Ir orm 1BwOA Pr Incis Reference Nur -13	ncorrect - I RI-13, "Re mber	ters whic Rx would covery fi Referer B B	h are entry-le	vel conditions 2 RCS loops), e nt Phase A Co 2 Page No 1 1.2	entry into E ntainment   Revisio   55   100wog 	-0 is re Isolatio	quired: n" (D) Number

.

Question To	pic Generic			
1BwEP-3, "S level is grea	Steam Generator Tube Rupture", ir ter than 10%.	nstructs the operators to maintain feed	water flow to the ruptured st	eam generator until narrow range
This minimu	m level requirement ensures which	h of the following?		
$\sim$				
	· · · ·			
a. Suffic	ent heat sink is available for Reac	tor Coolant System cooldown	o simila misanda sha Arena	en Gaoisme
b. The ri	ptured steam generator tubes are	e covered to promote thermal stratificat	ion acquiritie current and	Overalize soupercolonizae (p. <b>z</b> ubech
c. The ru	uptured steam generator does NO	T become a hot-dry steam generator	La production de la companya de la c	alaran dalam dan menjatra dan bertara dan periodakan dan bertara dan bertara dan bertara dan bertara dan bertar Mana dan bertara dan bertar Mana dan bertara dan bertar
				a naa oo sa mada da dhahar sa maray sa
d. Radio	active steam does NOT contamina	ate the main steamlines which were	kanskr	ata Manaka ana ana ang ang ang ang ang ang ang an
Answer b	Exam Level R Cog	nitive Level Comprehension	acility: Braidwood	ExamDate: 7/19/0
KA: 19400	G406 2.4.6 RO	Value: 3.1 SRO Value: 4.0	Section: PWG R	Group: 1 SRO Group:
System/Evol	ution Title	Side Constant and the second	ing one careful tensing the second	GENER
KA Statemen				
Explanation		OP mitigation strategies. - (B) Correct. Prevents ruptured SG de		ning RCS cooldown steps (A)
Answers:	Incorrect - the ruputed SG will	not be used for cooldown unless it is t and dry" (D) incomect - radioactive ste	he only intact SG. (C) Incor	rect - No in E-3 mitigation with
Na <u>rosatistrag</u> i	and the second			2010年1月20日,1月20日年1月2日日,1月1日日,1月1日月月1日日,1月1日月月1日月
······	Reference Title	Facility Reference Number	Step 4	Page No. Revision L.O. Number
Background D		[EP-3		62- 1C
Material Requ	ired for Examination			
Question Sou	rce: Facility Exam Bank	Question Modification Method:	Direct From Source	Used During Training Program
Question Sou	rce Comments			
Comment Typ	e Comment	ing a state of the state		
				Peer
				Supervisory
				racility
1 °	*			

	The for - Bu - Bu - Bu - RC - Pro	is 141 is DE- is 142 is DE- CS pressure i tr level is 31% eparations ar	Generic ditions exist on Unit 1: ENERGIZED ENERGIZED is 2220 psig and decrea 6 and decreasing slowl re being made to cool the forming steps in(	y ne RCS	S to 350°F in order to minimize furthe		raturas balou	₩ 350°E to	ne over	
ana ang ang ang ang ang ang ang ang ang		_(2): _(1)	to a still of the set	eren a	(2) Umulator Nitrogen injection	<sup>4</sup> contribution adjustionary	24 (in 1933) (142)			
utor School of a	b.				ssurized Thermal Shock Conditions		distanting the second sec	<u>X'izki mata di kasa</u>		
	c. d.		eactor Trip or SI	*******	cumulator Nitrogen injection				* <b>%</b> ?333	
n na seatrain Constantin Na seatrain	System KA Sta	194001G407 I/Evolution	2.4.7	RO V ed EOP de-ene nulator	/alue:       3.1       SRO Value:       3.8         ? mitigation strategies.	) the cooldown to 350°F th Id not be decreased to les	O Group:	1 SR	ned "To rect - EP-0	 
			erence Title	TINCON	ect - PTS is not a concern (per backo Facility Reference Number	Reference Section	eg temps wil Page No.		n L.O. Number	
	[	All AC LP			11-CA-XL-01	] [1]	27	4	6	]
		All AC Powe		]	1BwCA-0.0	step 31	39	1C	]	Ī
	Emerge	ncy Respons	se Guidelines		ERG CA-0.0	step 16	118	1C	]	Ī
	Questio Questio	m Source: m Source Co	or Examination	NRC		Significantly Modified		Revièws ( Peer Superviso Facility		I moved I management
								VRC	ł	

a stand a constant a standard a constant produced a standard a second a constant of the standard standard stand

					eporting a large fire in the	-	-
		Ig IS INUT ONE	or the Shift Manage	rs responsibilities while o	completing the checklist fo	or a Fire/Hazmat Spil	Response?
-1							
· 📰	V:6- II 5	<b>D</b> ·					
a.(		Brigade has b	een notified/dispato		en al an	adedi Moterica Billipo Statemento Concernanto a concernanto Statemento	a Rela Indiana ang ang ang
Ь.	Notification of	Rad Protection	n to dispatch persor		Rei AGAN Latad Street (157		
<b>c.</b>	Assessment o	f the fire/scens	irio and classificatio		n - Alexandra - Alexandra		
				an of the Emergency Fla	III - CHER A LORE AN HOUSE BOOM AND A	an a	ane de la maiser de La maiser de la maise
d.	Announcemer	nt of the fire ov	er the plant PA syst	em and sounding of the	plant fire alarm	nanger (	
Answei	d Ex	am Level S	Cognitive L	evel Memory	Facility: Braidwoo	od   ExamD	ate: 7/19
KA:	194001G427	2.4.27	RO Value:		3.5 Section: PWC		1 SRO Group:
terre and the second second	/Evolution Tit						
KA Sta	tement:	,			ter ter ter ter ter		
		******	***************************************	ire		Novás de 135	NUMERIC PROFILES
	ation of (A-C	C) are all part o	f the checklist for th	e S.Manager to perform	(D) Correct - this is the a	assist operators resp	onsibility per the
1	· 礼公: "时候去了	ence Title	사는 이 위험 입사람이 가지 않으신다. 이 이 이 이 아이에 있는 것이 가지 않으신다.	entilitettimation –	kons ja kali nea je a	1.250 (0.291) (271)	an a
	azmat Spill Re		Annual second	acility Reference Numl P 1100-16		on Page No.	Revision L.O. Number
-1							
		······································	en e				
Materia	Required for	Examination		······································			
Questio	n Source:	New	Questi	ion Modification Metho	d:	Used Durin	g Training Program
Questio	n Source Cor	nments					
Comme	nt Type Co	mment		e dina di hati		F	teviews Complete
							eer
							upervisory
11							acility

	arge Break LO	CA concurrent with	a loss of containmen	t integrity has bee	en INITIALLY ci	assified as a Genera	I Emergency.		
Th	e offsite state a	uthorities will be n	otified of this event on	the(1)	phone, and	the NRC will be noti	fied on the	(2)	_ phone.
1_	(1)	(2)	_						
1							****		
	a. Green	e saga Red	1. 1. 2 1. 1. 2			Birthe Contraction of the State			
	White	Red	hou ophiates there						
		···	- 18 and the search departure			n an			
5	Red	Green		nde sein er sein friftiger	high-shanjada-	a <b>na</b> non napadrana	den di Santain	inin aritu	15 States & States
	I. Green	White	<sup>1</sup> (Hoder), – suise a furrijs	entrácia do tra		· · · · · · · · · · · · · · · · · ·	nie odkiejsk	esting of the second	42 55 5
Ans	wer a	Exam Level B	Cognitive Leve	Memory	· Facili	y: Braidwood	ExamD:	ate:	7/19/0
KA:	194001G42	9 2.4.29	RO Value:	2.6 SRO Valu	e: 4.0 Se	ction: PWG F	O Group:	1 SRC	Group
Sys	tem/Evolution	Title		tab weige,	telsjoer Antreffer	ne e s San			्रः ] GENER
KA	Statement:	Knowledge of the e	mergency plan		e of MULTING Barres				n frær tillte fra
Exp	lanation of (	A) Dedicated lines	in the MCR for NARs	is GREEN and th	e NRC is RED	Merterinate () (27	Real Robert Services	CARDE SAN	u de contra contra da A una del contra da
Ans	wers:	anderstein of the second s	andre state in the second s	als ardabilitati Ar Pauletta	andreadare. Alandreadar	etan in menuti 2 menuti era den	<mark>Allen Landersen</mark> And Maria Canton		ing a state of the
	n Re	eference Title	Faci	lity Reference N	umber 🔅 Re	ference Section	Page No.		L.O. Numbe
	R equipment	Antip Antolinij	<u>998980808</u> ]EP-AA- 	114 geographies (114 geographies)					
						-	]		
Mate	erial Required	for Examination			·				
	stion Source:	New	Question	Modification Me	thod:		Used During	g Training	Program
Que									
	stion Source (	Comments							
Que									
Que			te.i.j.f					eviews Co	omplete
Que					a Diversit			eviews Co eer 🗋 upervisor	-

This			estimates 1 h	·	. threshold and re	equires (/	2) monit	oring of pla	nt status.		
	_(1)							- /			
1					********	*****					
	1										
a.	meets	a (1. 1994) (1.	Continuous	· · · · · · · · · · · · · · · · · · ·		uténétéseke sülénénése	e os e successive.c	anp). A na raina	1.	stati ( <u>)</u> (1994) 1945 - Salar 1947 - Salar 1947 - Salar	tseffertikelige 
b.	meets	an kokida	Hourly	The second s		den konstantation and	unit weiter i	Herester			here a sec
· · · · · · · · · · · · · · · · · · ·										د از الاستاني ميلون السالية الاستاني منهوم منهوم منهوم المناطق الم	 
c.	does NOT	meet	Continuous	名"福山和西东"的 <u>新闻</u>	Ball Almin at the	Brand Stars	ken zerten.		ada ya ka	tarteset a	aline vije
d.	does NOT	meet	Hourly		ar Arte	ala Bren e					sylm, -
		Exam Le				······					
Answe	·			Cognitive Le			cility: Braid		Exam		7/19
	194001G43		2.4.32	RO Value:		alue: 3.5	Section:	WG R	O Group:	1 SRO (	Group:
994-1-020 20 C		Title	<u>le contrinctane co</u>	e le composition de la compo		and the second	republick with				GENE
KA Sta	atement:	Knowledg	o of operator	rosponso to lor	ss of all annuncia	toro					
Explan					1 1BwOS AN-1A						ion and
Answe	ers:	does requ	uire continuous	s monitoring	trism Alteria	(注意)	statta surat	55 (J. 1997) (J. 19	S. S. A. Star	Stan Street	ા . અંગુ અપ્રકૃ
1. color?	R	eference	Title	E E	acility Referenc	e Number.	Reference S	ection 😽	Page No.	Revision	L.O. Numb
Loss	of Annunciat	ors	an a	1Bw(	OS AN-1A		A.3	and the second	2 <u>.</u>	1	
Braidw	wood EALs			MU6			Threshold Va	lue	5-44	6	
					E Roman and						
Matori	ial Required	for Exan	nination	[			9				-
water	ion Source:	New		Questi	on Modification	Method:		1	Used Duri	ng Training F	Program
		Commen	its								
Quest	ion Source	<u> </u>		*****							
Quest	ion Source					114				Reviews Cor	nplete
Questi	ion Source nent Type	Comme	nt			Louis .		the second s			
Questi		100020022002200000		nd Actions in th	ne AAR (selecting	58°	dure)			Peer 🗌	
Questi Questi Comm		100020022002200000		nd Actions in th		58°	dure)			Peer	