Examination Qu	uestion Numb	er 1			
QUESTION ID:	5941 -	STAT	US: Revisio	n LAST USE	D
	I	1			
DESCRIPTION:	Stuck CEA and	TS requirements			
AUTHOR:	dvince1		REVISION	1 REVISION	DATE 05/13/2002
APPROVAL:			APPROVAL DA	TE:	
REFERENCE VERI	FIED: dvince	1	VERIFICATION	DATE: 05/13/2	2002
TYPE: Mult	tiple Choice	TIN	AE: 5	POINTS:	1
QUIZ ONLY:	CLOS	ED REFERENCH	E: X	OPEN REFEREN	NCE
SPECIAL REFEREN	NCES: 2	K SIMUI	LATOR SETUP		
PLANT SYSTEM:	CED	CATEGOF	RY: PROCEI	DURE	
	TS				
	PPO				
REFERENCE:	REVISION:	CHANGE:	DATE:		
TS 3.1.3					
OP-901-102	03	02	08/07/20	01	
NRC KA NUMBER:	RO	SRO	TRAINING M	ATERIAL: O	DBJECTIVE
4.2-A5-AK3.04	3.4	4.1	W-3-LP-OPS-P	PO10 5	

QUESTION

The plant is doing a downpower to 60% to allow maintenance to be done on Main Feedwater Pump A. The plant is at 80% when the PNPO moves Group P in for ASI control. After moving Group P two steps in, CEA 24 (of Group P) drops into the core to zero inches withdrawn. The CRS enters OP-901-102, CEA or CEDMCS Malfunction, and orders a rapid power reduction. Determine what power level the plant will be required to go to?

- A. 70%
- B. 65%
- C. 60%
- D. 50%

ANSWER

- C. 60%
- COMMENTS

Given student copy of TS 3.1.3.1 and COLR Figure 3.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-1		New
Question History				

Examination Qu	estion Numb	er 2			
QUESTION ID:	5942 -	STATU	S: Revision	LAST USED	
	I	4			
DESCRIPTION:	RCP Malfuncti	on - Seal Failure			
AUTHOR:	dvince1	I	REVISION	REVISION DAT	E 05/10/2002
APPROVAL:		A	APPROVAL DAT	E:	
REFERENCE VERI	FIED: dvince	1 1	VERIFICATION	DATE: 05/10/2002	
TYPE: Mult	iple Choice	TIM	E: 5	POINTS:	1
QUIZ ONLY:	CLOS	ED REFERENCE:	X	OPEN REFERENCE	
SPECIAL REFEREN	ICES:	SIMUL	ATOR SETUP		
PLANT SYSTEM:	PPO	CATEGORY	Y: PROCEDU	JRE	
	RCP				
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-901-130	02	02	01/25/2001		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL: OBJE	CTIVE
4.2-A15/17-AA1.22	4	4.2	W-3-LP-OPS-PP	010 3	

QUESTION

The plant is at 100% power. Given the following data for RCP-2B:

Vapor Seal – 30 psig Upper Seal – 294 psig Middle Seal – 1272 psig

Which seal has failed?

- A. Vapor Seal
- B. Upper Seal
- C. Middle Seal
- D. Lower Seal

ANSWER

B. Upper Seal

COMMENTS

Upper Seal has failed by 70%.

Cognitive Level	Tier-Group	RO	SRO	Ouestion Source
Comprehension or Analysis		1-1		New
Question History				
•				

Examination Qu	uestion Numb	er 3				
QUESTION ID:	5943	- STAT	US: Revisi	on	LAST USED	
		Α				
DESCRIPTION:	Natural Circul	ation criteria and c	ontingency actions	3		
AUTHOR:	dvince1		REVISION	1 F	REVISION DATE	05/21/2002
APPROVAL:			APPROVAL DA	ATE:		
REFERENCE VERI	FIED: dvinc	e1	VERIFICATIO	N DATE:	05/21/2002	
TYPE: Mult	tiple Choice	TI	ME: 5	POIN	TS:	1
QUIZ ONLY:	CLOS	ED REFERENC	E: X	OPEN	N REFERENCE	
SPECIAL REFEREN	NCES:	X SIMU	LATOR SETUP			
PLANT SYSTEM:	PPE	CATEGO	RY: PROCE	DURE		
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-902-002	09	00	04/12/20	001		
NRC KA NUMBER:	RO	SRO	TRAINING N	ATERIA	AL: OBJECT	TIVE
C/E A13 – AK1.3	3.1	3.4	W-3-LP-OPS-	PPE02	19	

QUESTION

The plant has experienced a LOCA approximately 30 minutes ago. All ESFAS actuations have occurred as required. The following plant conditions exist:

- Pressurizer Pressure is 1800 psia and dropping slowly
- Pressurizer Level is 5% and dropping slowly
- RCS Hot Leg Temperature is 582°F and slowly rising
- RCS Cold Leg Temperature is 540°F and slowly rising
- Representative CET is 584°F and slowly rising
- SG Pressures are 1000 psia
- SG Levels are 70% Wide Range and slowly dropping
- Containment Pressure is 18.1 psia and constant
- All other indications are within required limits.

The CRS has determined that Single Phase Natural Circulation criteria is not being met. What action should be taken to restore Single Phase Natural Circulation?

- A. Carry out the actions of Appendix 11, Void Elimination.
- B. Pressurizer pressure needs to be reduced to allow safety injection flow.
- C. Steam Generator pressure needs to be reduced to restore Natural Circulation.
- D. All charging pumps need to be started to regain pressurizer level.

ANSWER

C. Steam Generator pressure needs to be reduced to restore Natural Circulation. **COMMENTS**

Per step 36 of OP-902-002, if Single Phase Natural Circulation criteria is not met, the contingency action is to verify steam generator feeding and steaming. The Tech Guide states that this means steaming the Steam Generator. Give Steam Tables as reference.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-1		New
Ouestion History				

Examination Qu	estion Numb	er 4				
QUESTION ID:	5944 -	STAT	US: Revis	sion LAS	ST USED	
	A	۱				
DESCRIPTION:	Emergency Bor	ation - SDM requ	ired			
AUTHOR: d	lvince1		REVISION	1 REV	ISION DATE	05/21/2002
APPROVAL:			APPROVAL D	ATE:		
REFERENCE VERI	FIED: dvince	1	VERIFICATIO	ON DATE:	05/21/2002	
TYPE: Multi	ple Choice	TI	ME: 5	POINTS:	1	
QUIZ ONLY:	CLOSI	ED REFERENC	E: X	OPEN RE	FERENCE	
SPECIAL REFEREN	ICES: 2	K SIMU	LATOR SETUP	•		
PLANT SYSTEM:	PPO	CATEGO	RY: PROC	EDURE		
	TS					
REFERENCE:	REVISION:	CHANGE:	DATE	:		
OP-901-103	01	01	06/19/2	2000		
NRC KA NUMBER:	RO	SRO	TRAINING	MATERIAL:	OBJECTIVE	
4.2-A24-AA2.05	3.3	3.9	W-3-LP-OPS	-PPO10	3	

QUESTION

The plant has just entered Mode 6. The Shift Chemist has determined that boron concentration is below the required Refueling Concentration. The crew has initiated Emergency Boration. After 15 minutes, the CRS asks you to calculate Keff for current plant conditions based upon the following data:

- Current RCS Boron Concentration is 2035 ppm
- RCS Tave is 135° F
- 500 EFPD
- Required Shutdown Margin Boron Concentration is 2020 ppm
- TS Shutdown Margin Requirement is 1.5%
- A. 0.98
- B. 0.96
- C. 0.94
- D. 0.92

ANSWER

A. 0.98 COMMENTS

Give a copy of OP-903-090, Section 7.5 and Attachment 10.5 and Plant Data Book figures 1.4.1 and 1.4.2 as references.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-1		New
Question History				

Examination Qu	estion Numb	er 5				
QUESTION ID:	5945	- STAT	US: Revision	LAST	USED	
		Α				
DESCRIPTION:	CCW and ESF	AS				
AUTHOR: 0	lvince1		REVISION	1 REVISI	ON DATE	05/21/2002
APPROVAL:			APPROVAL DAT	ГЕ:		
REFERENCE VERI	FIED: dvince	e1	VERIFICATION	DATE: 05	/21/2002	
TYPE: Multi	ple Choice	TIN	AE: 5	POINTS:	1	
QUIZ ONLY:	CLOS	ED REFERENCI	E: X	OPEN REFI	CRENCE	
SPECIAL REFEREN	ICES:	SIMU	LATOR SETUP			
PLANT SYSTEM:	CC	CATEGO	RY: SYSTEM			
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-002-003	13	02	08/22/200	1		
OP-902-009	00	01	12/16/199	9		
NRC KA NUMBER:	RO	SRO	TRAINING MA	ATERIAL:	OBJECTIVE	2
4.2-A26-AK3.02	3.6	3.9	W-3-LP-OPS-CO	C00	5	

QUESTION

The following conditions exist:

Plant is at 100% power. CCW system valves are aligned as follows on CP-8:

•	CC114A, CCW Pump A to AB Suction Crossconnect	Open
•	CC114B, CCW Pump B to AB Suction Crossconnect	Open
•	CC115A, CCW Pump AB to A Suction Crossconnect	Open
•	CC115B, CCW Pump AB to B Suction Crossconnect	Open
•	CC126A, CCW Pump A to AB Discharge Crossconnect	Open
•	CC126B, CCW Pump B to AB Discharge Crossconnect	Open
٠	CC200A, CCW Header A to AB Supply Isolation	Closed
•	CC200B, CCW Header B to AB Supply Isolation	Open
•	CC501, CCW Non Safety Supply Hdr Isolation	Open
•	CC562, CCW Non Safety Return Hdr Isolation	Open
•	CC641, CCW to Containment Outside Cntmt Isolation	Closed
•	CC710, Cntmt CCW Return Header Inside Cntmt Isolation	Closed
•	CC713, NNS Return Hdr Outside Containment Isol	Closed

The Dry Cooling Towers are not bypassed.

Which one of the following could have caused this alignment?

- A. Failure of CCW Surge Tank Level Switch
- B. Leak in Non Safety Supply Header
- C. Inadvertent Safety Injection Actuation Signal (SIAS)
- D. Inadvertent Containment Spray Actuation Signal (CSAS)

ANSWER

D. Inadvertent Containment Spray Actuation Signal (CSAS) **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-1		New
Question History				

Examination Qu	estion Number	r 6			
QUESTION ID:	5946 -	STATUS	Revision	LAST USED)
	Α				
DESCRIPTION:	ESDE - adding for	eedwater to dry SG			
AUTHOR:	dvince1	R	EVISION	REVISION DA	ATE 05/21/2002
APPROVAL:		Α	PPROVAL DAT	E:	
REFERENCE VERI	FIED: dvince1	V	ERIFICATION I	DATE: 05/21/20	02
TYPE: Mult	iple Choice	TIME	5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE:	Х	OPEN REFERENC	CE
SPECIAL REFEREN	NCES:	SIMULA	TOR SETUP		
PLANT SYSTEM:	PPE	CATEGORY	PROCEDU	JRE	
	SG				
REFERENCE:	REVISION:	CHANGE:	DATE:		
OI-038-000	01	01	08/23/2001		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL: OB	JECTIVE
4.2-A40-AK1.07	3.4	4.2	WLP-OPS-PPE0	8 9	

QUESTION

The main concern with adding feedwater to an empty Steam Generator is a

- A. Possible water hammer
- B. Possible overcooling
- C. Possible tube rupture
- D. Possible feedwater ring damage

ANSWER

C. Possible tube rupture

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge	-	1-1		New
Question History				

Examination Question Number 7	
QUESTION ID:5947-STATUS:RevisionLAST USED	
Α	
DESCRIPTION: RCS Overcooling - heat removal systems	
AUTHOR: dvincel REVISION 1 REVISION DATE	05/21/2002
APPROVAL: APPROVAL DATE:	
REFERENCE VERIFIED: dvince1 VERIFICATION DATE: 05/21/2002	
TYPE:Multiple ChoiceTIME:5POINTS:	1
QUIZ ONLY:CLOSED REFERENCE:XOPEN REFERENCE	
SPECIAL REFERENCES: SIMULATOR SETUP	
PLANT SYSTEM: PPE CATEGORY: SYSTEM	
REFERENCE: REVISION: CHANGE: DATE:	
OP-902-004 09 00 04/12/2001	
NRC KA NUMBER: RO SRO TRAINING MATERIAL: OBJECT	IVE
CE/A11-AK2.2 3.2 3.4 WLP-OPS-PPE04 7	

QUESTION

A Steam Line Break inside containment has occurred on Steam Generator #1. Steam Generator #1 is empty and Pressurizer pressure has begun to rise. CET temperature is stable. Which one of the following would be a required action taken by the crew in response to the pressurizer pressure rise?

- A. Throttle High Pressure Safety Injection Flow.
- B. Manually initiate Emergency Feedwater Actuation Signal #2.
- C. Isolate Steam Generator #1.
- D. Commence steaming Steam Generator #2 using Steam Bypass Control Valve #1.

ANSWER

B. Manually initiate Emergency Feedwater Actuation Signal #2.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-1		New
Question History				

QUESTION ID:5948-STATUS:RevisionLAST USEDADESCRIPTION:Loss of Condenser VacuumAUTHOR:dvincelREVISION1REVISION DATE05/22/2002APPROVAL:APPROVAL DATE:REFERENCE VERIFIED:dvincelVERIFICATION DATE:05/22/2002TYPE:Multiple ChoiceTIME:5POINTS:1QUIZ ONLY:CLOSED REFERENCE:XOPEN REFERENCESPECIAL REFERENCES:SIMULATOR SETUPPLANT SYSTEM:PPOCATEGORY:PROCEDUREREFERENCE:REVISION:CHANGE:DATE:OP-901-220020202/15/2000NRC KA NUMBER:ROSROTRAINING MATERIAL:OBJECTIVE2-4-113.43.6WLP-OPS-PPO203	Examination Qu	estion Numb	er 8				
ADESCRIPTION: Loss of Condenser VacuumAUTHOR:dvincelREVISION1REVISION DATE05/22/2002APPROVAL:APPROVAL DATE:REFERENCE VERIFIED:dvincelVERIFICATION DATE:05/22/2002TYPE:Multiple ChoiceTIME:5POINTS:1QUIZ ONLY:CLOSED REFERENCE:XOPEN REFERENCESPECIAL REFERENCES:SIMULATOR SETUPPLANT SYSTEM:PPOCATEGORY:PROCEDUREREFERENCE:REVISION:CHANGE:DATE:OP-901-220020202/215/2000NRC KA NUMBER:ROSROTRAINING MATERIAL:OBJECTIVE2-4-113.43.6WLP-OPS-PPO203	QUESTION ID:	5948 .	- STATU	JS: Revisi	on	LAST USED	
DESCRIPTION: Loss of Condenser VacuumAUTHOR:dvincelREVISION1REVISION DATE05/22/2002APPROVAL:APPROVAL DATE:REFERENCE VERIFIED:dvincelVERIFICATION DATE:05/22/2002TYPE:Multiple ChoiceTIME:5POINTS:1QUIZ ONLY:CLOSED REFERENCE:XOPEN REFERENCESPECIAL REFERENCES:SIMULATOR SETUPPLANT SYSTEM:PPOCATEGORY:PROCEDUREREFERENCE:REVISION:CHANGE:DATE:OP-901-220020202/15/2000NRC KA NUMBER:ROSROTRAINING MATERIAL:OBJECTIVE2-4-113.43.6WLP-OPS-PPO203			A				
AUTHOR:dvincelREVISION1REVISION DATE05/22/2002APPROVAL:APPROVAL DATE:REFERENCE VERIFIED:dvincelVERIFICATION DATE:05/22/2002TYPE:Multiple ChoiceTIME:5POINTS:1QUIZ ONLY:CLOSED REFERENCE:XOPEN REFERENCESPECIAL REFERENCES:SIMULATOR SETUPPLANT SYSTEM:PPOCATEGORY:PROCEDUREREFERENCE:REVISION:CHANGE:DATE:OP-901-220020202/15/2000NRC KA NUMBER:ROSROTRAINING MATERIAL:OBJECTIVE2-4-113.43.6WLP-OPS-PPO203	DESCRIPTION:	Loss of Conder	nser Vacuum				
APPROVAL:APPROVAL DATE:REFERENCE VERIFIED:dvincelVERIFICATION DATE:05/22/2002TYPE:Multiple ChoiceTIME:5POINTS:1QUIZ ONLY:CLOSED REFERENCE:XOPEN REFERENCESPECIAL REFERENCES:SIMULATOR SETUPPLANT SYSTEM:PPOCATEGORY:PROCEDUREREFERENCE:REVISION:CHANGE:DATE:OP-901-220020202/15/2000NRC KA NUMBER:ROSROTRAINING MATERIAL:OBJECTIVE2-4-113.43.6WLP-OPS-PPO203	AUTHOR:	dvince1		REVISION	1 1	REVISION DATE	05/22/2002
REFERENCE VERIFIED: dvincel VERIFICATION DATE: 05/22/2002 TYPE: Multiple Choice TIME: 5 POINTS: 1 QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE SPECIAL REFERENCES: SIMULATOR SETUP PLANT SYSTEM: PPO CATEGORY: PROCEDURE REFERENCE: REVISION: CHANGE: DATE: OP-901-220 02 02 02/15/2000 NRC KA NUMBER: RO SRO TRAINING MATERIAL: OBJECTIVE 2-4-11 3.4 3.6	APPROVAL:			APPROVAL DA	TE:		
TYPE:Multiple ChoiceTIME:5POINTS:1QUIZ ONLY:CLOSED REFERENCE:XOPEN REFERENCESPECIAL REFERENCES:SIMULATOR SETUPPLANT SYSTEM:PPOCATEGORY:PROCEDUREREFERENCE:REVISION:CHANGE:DATE:OP-901-220020202/15/2000NRC KA NUMBER:ROSROTRAINING MATERIAL:OBJECTIVE2-4-113.43.6WLP-OPS-PPO203	REFERENCE VERI	FIED: dvince	:1	VERIFICATIO	N DATE:	05/22/2002	
QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE SPECIAL REFERENCES: SIMULATOR SETUP PLANT SYSTEM: PPO CATEGORY: PROCEDURE REFERENCE: REVISION: CHANGE: DATE: OP-901-220 02 02/15/2000 NRC KA NUMBER: RO SRO TRAINING MATERIAL: OBJECTIVE 2.4-11 3.4 3.6	TYPE: Mult	iple Choice	TIM	E: 5	POI	NTS:	1
SPECIAL REFERENCES: SIMULATOR SETUP PLANT SYSTEM: PPO CATEGORY: PROCEDURE REFERENCE: REVISION: CHANGE: DATE: OP-901-220 02 02/15/2000 NRC KA NUMBER: RO SRO TRAINING MATERIAL: OBJECTIVE 2-4-11 3.4 3.6 WLP-OPS-PPO20 3	QUIZ ONLY:	CLOS	ED REFERENCE	: X	OPE	N REFERENCE	
PLANT SYSTEM:PPOCATEGORY:PROCEDUREREFERENCE:REVISION:CHANGE:DATE:OP-901-220020202/15/2000NRC KA NUMBER:ROSROTRAINING MATERIAL:OBJECTIVE2-4-113.43.6WLP-OPS-PPO203	SPECIAL REFEREN	NCES:	SIMUL	ATOR SETUP			
REFERENCE: REVISION: CHANGE: DATE: OP-901-220 02 02 02/15/2000 NRC KA NUMBER: RO SRO TRAINING MATERIAL: OBJECTIVE 2-4-11 3.4 3.6 WLP-OPS-PPO20 3	PLANT SYSTEM:	PPO	CATEGOR	Y: PROCE	DURE		
OP-901-220 02 02/15/2000 NRC KA NUMBER: RO SRO TRAINING MATERIAL: OBJECTIVE 2-4-11 3.4 3.6 WLP-OPS-PPO20 3	REFERENCE:	REVISION:	CHANGE:	DATE:			
NRC KA NUMBER:ROSROTRAINING MATERIAL:OBJECTIVE2-4-113.43.6WLP-OPS-PPO203	OP-901-220	02	02	02/15/20	000		
2-4-11 3.4 3.6 WLP-OPS-PPO20 3	NRC KA NUMBER:	RO	SRO	TRAINING M	IATERL	AL: OBJECT	ΓΙVΕ
	2-4-11	3.4	3.6	WLP-OPS-PP	D20	3	

QUESTION

The plant is at 100% power. Condenser vacuum begins to drop. The crew enters OP-901-220, Loss of Condenser Vacuum. Vacuum is now 24.8" Hg and slowly dropping. Based on the current vacuum, what action should the crew take?

- A. Commence a rapid downpower IAW OP-901-212, Rapid Down Power, concurrent with this off-normal.
- B. Commence a normal downpower IAW OP-010-005, Plant Shutdown, concurrent with this off-normal.
- C. Trip the reactor and perform OP-902-000, Standard Post Trip Actions, concurrent with this off-normal.
- D. Continue to attempt to recover vacuum IAW this off-normal.

ANSWER

A. Commence a rapid downpower IAW OP-901-212, Rapid Down Power, concurrent with this off-normal.

COMMENTS

Per OP-901-220, step 4.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-1		New
Question History				

Examination Bank

Examination Q	uestion Numl	oer 9				
QUESTION ID:	5949	- STAT	US: Revi	ision	LAST USED	
		Α				
DESCRIPTION:	Station Blacke	out				
AUTHOR:	dvince1		REVISION	1	REVISION DAT	E 05/22/2002
APPROVAL:			APPROVAL	DATE:		
REFERENCE VERI	FIED: dvinc	el	VERIFICATI	ON DA	TE: 05/22/2002	
TYPE: Mult	tiple Choice	TIN	1E:	5 P	OINTS:	1
QUIZ ONLY:	CLOS	SED REFERENCE	E: X	0	PEN REFERENCE	
SPECIAL REFERE	NCES:	SIMUI	LATOR SETU	Р		
PLANT SYSTEM:	PPE	CATEGOR	RY: PROG	CEDUR	E	
REFERENCE:	REVISION:	CHANGE:	DATI	E:		
OP-902-005	11	00	04/12/	/2001		
NRC KA NUMBER:	RO RO	SRO	TRAINING	MATE	ERIAL: OBJE	CTIVE
4.1-E55-EK3.02	4.3	4.6	WLP-OPS-F	PPE05	7	

QUESTION

A Station Blackout has occurred. The crew has diagnosed to OP-902-005, Station Blackout Recovery. The following plant conditions exist:

- Containment pressure is 15.8 psia and slowly rising
- Containment Temperature is 118°F and slowly rising
- Pressurizer level is 34% and slowly dropping
- RCS Temperature is 545°F and slowly rising
- RCS Pressure is 2210 psia and slowly dropping
- EDG A has tripped on Overspeed.
- EDG B is tagged out and not expected to be returned for 30 minutes.
- Both batteries are reading 134 VDC

Based on these conditions, which of the following actions is INCORRECT?

- A. Close MSIVs.
- B. Commence a cooldown to 350° F.
- C. Place Containment Spray control switches to OFF.

D. Open selected PAC Cabinet doors. **ANSWER**

B. Commence a cooldown to 350°F. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehensive or Analysis		1-1		New
Question History				

Examination Bank

Examination Qu	estion Numb	er 10					
QUESTION ID:	5950 -	STA	TUS:	Revision	L	AST USED	
	1	4					
DESCRIPTION:	Loss of SUPS						
AUTHOR:	dvince1		REVISI	ON 1	I RE	VISION DATE	05/22/2002
APPROVAL:			APPRO	VAL DAT	E:		
REFERENCE VERI	FIED: dvince	1	VERIFI	CATION I	DATE:	05/22/2002	
TYPE: Mult	iple Choice	Т	IME:	5	POINTS	S:	1
QUIZ ONLY:	CLOS	ED REFEREN	CE:	Х	OPEN R	REFERENCE	
SPECIAL REFEREN	NCES:	SIM	ULATOR S	ETUP			
PLANT SYSTEM:	ID	CATEGO	DRY:	PROCEDU	JRE		
	PPO			SYSTEM			
REFERENCE:	REVISION:	CHANGE:]	DATE:			
OP-901-312	01	07		03/13/2002	2		
NRC KA NUMBER:	RO	SRO	TRAI	NING MA	TERIAL	: OBJECT	ΓIVE
4.2-A57-AA2 03	3.7	3.9	W-3-L	P-OPS-ID	00	7	
			W-3-L	P-OPS-PP	O30	3	

QUESTION

The plant is at 80% power when SUPS MA trips. Which one of the following will occur?

- A. The reactor will trip due to opening of Reactor Trip Breakers 1 and 2.
- B. Safety Injection Tanks 1A & 2A will inject due to loss of pressure interlocks to their isolation valves.
- C. An EFAS signal will be generated that will open the EFW Isolation valves.
- D. COLSS will be inoperable due to the failure of CEAC #1.

ANSWER

C. An EFAS signal will be generated that will open the EFW Isolation valves. **COMMENTS**

A is wrong because Breakers 1, 2, 5, & 6 open which does not cause a reactor trip. B is wrong because SIT inject on lowering pressure. D is wrong because CEAC #1 is powered from Train B.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		1-1		New
Question History				

Examination Bank

Examination Qu	estion Numbe	er 11				
QUESTION ID:	5951 -	STATUS	Revision	LAS	ST USED	
	A	L				
DESCRIPTION:	Loads on ACCV	V during loss of AC	CW			
AUTHOR:	dvince1	R	EVISION	1 REV	ISION DATE	05/22/2002
APPROVAL:		А	PPROVAL DAT	Е:		
REFERENCE VERI	FIED: dvince	l V	ERIFICATION	DATE:	05/22/2002	
TYPE: Mult	iple Choice	TIME	L: 5	POINTS:		1
QUIZ ONLY:	CLOSE	ED REFERENCE:	Х	OPEN RE	FERENCE	
SPECIAL REFEREN	ICES:	SIMULA	TOR SETUP			
PLANT SYSTEM:	ACC	CATEGORY	SYSTEM			
REFERENCE:	REVISION:	CHANGE:	DATE:			
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECTI	VE
4.2-A62-AA1.02	3.2	3.3	W-3-LP-OPS-CC	C00	3	

QUESTION

Which one of the following components would be <u>directly</u> affected by an inadvertent securing of ACCW Pump A?

- A. Essential Chiller A running in Wet Tower mode.
- B. Containment Fan Cooler C running in Fast mode.
- C. CEDM Fan A running in normal mode.
- D. Waste Gas Compressor A running in lead mode.

ANSWER

A. Essential Chiller A running in Wet Tower mode. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		1-1		New
Ouestion History				

Examination Bank

Examination Qu	estion Numbe	er 12					
QUESTION ID:	5952 -	STA	ГUS:	Revision	LAST U	SED	
	A	1					
DESCRIPTION:	Actuation of SE	3V deluge system	1				
AUTHOR:	dvince1		REVISIO	DN 1	REVISIO	N DATE	05/22/2002
APPROVAL:			APPROV	VAL DATE	:		
REFERENCE VERI	FIED: dvince	1	VERIFIC	CATION D	ATE: 05/2	2/2002	
TYPE: Mult	iple Choice	TI	ME:	5	POINTS:	1	
QUIZ ONLY:	CLOSI	ED REFERENC	:Е:	X	OPEN REFER	ENCE	
SPECIAL REFEREN	NCES:	SIMU	JLATOR S	ETUP			
PLANT SYSTEM:	FPP	CATEGO	RY:	SYSTEM			
	SBV						
REFERENCE:	REVISION:	CHANGE:	1	DATE:			
OP-009-004	11	04	(04/24/2002			
NRC KA NUMBER:	RO	SRO	TRAI	NING MAT	TERIAL:	OBJECTIVE	
4.2-A67-AA1.09	3	3.3	W-3-L	P-OPS-FP0	0	10	
			W-3-L	P-OPS-SBV	/00	4	

QUESTION

Shield Building Ventilation (SBV) Train A indicates a fire. Which one of the following is TRUE?

- A. SBV Train A Deluge System must be manually actuated on the Fire Detection Main Control Panel to allow water flow.
- B. FP-601A, Reactor Bldg Fire Mn Hdr A FPM-1 Cntmt Isol, must be open to allow water flow to SBV Train A Deluge System.
- C. The local pull station must be operated to allow water flow to SBV Train A Deluge System.
- D. SBV Train A Deluge System isolation valve must be opened to allow water flow to SBV Train A.

ANSWER

D. SBV Train A Deluge System isolation valve must be opened to allow water flow to the SBV Train A.
 COMMENTS

Per OP-009-004, Step 8.7.1.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		1-1		New
Question History				

Examination Bank

Examination Qu	estion Numb	er 13					
QUESTION ID:	5953 -	STAT	ΓUS: Re	vision	LAST US	ED	
	1	4					
DESCRIPTION:	Evacuation of t	he CR and EDG					
AUTHOR:	dvince1		REVISION	1	REVISION	DATE	05/22/2002
APPROVAL:			APPROVAL	DATE:			
REFERENCE VERI	FIED: dvince	1	VERIFICAT	TION DA	TE: 05/22/	2002	
TYPE: Mult	iple Choice	TI	ME:	5 F	POINTS:	1	
QUIZ ONLY:	CLOS	ED REFERENC	E: X	0	PEN REFERE	NCE	
SPECIAL REFEREN	ICES:	SIMU	LATOR SET	UP			
PLANT SYSTEM:	PPO	CATEGO	RY: PRO	OCEDUR	E		
REFERENCE:	REVISION:	CHANGE:	DAT	ſE:			
NRC KA NUMBER:	RO	SRO	TRAININ	G MATI	ERIAL:	OBJECTIVE	
4.2-A68-AK2.07	3.3	3.4	W-3-LP-O	PS-PPO5	1 2	21	

QUESTION

During an evacuation of the Control Room with Fire, FR-2367, Appendix R key switch for EDG B, is operated. What is the purpose of this key switch?

- A. Prevents EDG B from tripping.
- B. Electrically isolates EDG B from the Control Room.
- C. Allows EDG B to be controlled from LCP-43, Remote Shutdown Panel.
- D. Starts EDG Train B Mini-sequencer.

ANSWER

B. Electrically isolates EDG B from the Control Room. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		1-1		New
Question History				

Examination Bank

QUESTION ID: 5954 - STATUS: Revision LAST USED A A DESCRIPTION: Loss of Containment Integrity	
A DESCRIPTION: Loss of Containment Integrity	
DESCRIPTION: Loss of Containment Integrity	
AUTHOR: dvincel REVISION 1 REVISION DATE 05/22/20)02
APPROVAL: APPROVAL DATE:	
REFERENCE VERIFIED: dvince1 VERIFICATION DATE: 05/22/2002	
TYPE:Multiple ChoiceTIME:5POINTS:1	
QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE	
SPECIAL REFERENCES: SIMULATOR SETUP	
PLANT SYSTEM: PPE CATEGORY: PROCEDURE	
REFERENCE: REVISION: CHANGE: DATE:	
OP-902-002 09 00 03/30/2001	
NRC KA NUMBER: RO SRO TRAINING MATERIAL: OBJECTIVE	
4.2-A69-AA2.02 3.9 4.4 WLP-OPS-PPE01 6	

QUESTION

During a LOCA, Containment Spray Pump A trips on overcurrent. The CRS directs overriding and closing the Containment Spray Header Isolation, CS-125A. Why is this done?

- A. To prevent airbinding the Containment Spray System.
- B. To ensure that Containment Spray flow is maintained via the opposite train.
- C. To protect containment integrity.
- D. To reduce EDG loading.

ANSWER

C. To protect containment integrity.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		1-1		New
Question History				

Examination Bank

Examination Q	uestion Nun	15 nber 15					
QUESTION ID:	5955	- S	STATUS:	Revision	LAS	ST USED	
		Α					
DESCRIPTION:	Inadequate C	Core Cooling					
AUTHOR:	dvince1		REVIS	SION	1 REV	ISION DATE	06/05/2002
APPROVAL:			APPR	OVAL DAT	Е:		
REFERENCE VER	(FIED: dvir	ncel	VERI	FICATION	DATE:	06/05/2002	
TYPE: Mul	tiple Choice		TIME:	5	POINTS:		1
QUIZ ONLY:	CLO	DSED REFER	ENCE:	Х	OPEN RE	FERENCE	
SPECIAL REFERE	NCES:	X S	IMULATOF	R SETUP			
PLANT SYSTEM:	QSP	CATI	EGORY:	SYSTEM			
REFERENCE:	REVISION:	CHANG	E:	DATE:			
OI-038-000	01	01		08/23/2001	1		
NRC KA NUMBER	: RO	SRO	TRA	AINING MA	TERIAL:	OBJECT	IVE
4.1-E74-EA1.12	4.1	4.4	W-3	-LP-OPS-QS	SP00	1	

A LOCA occurred 25 minutes ago. Assume all ESFAS actuations occurred as required and operator immediate actions and contingency actions have been taken. The following conditions exist:

- Pressurizer Level 0%
- Pressurizer Pressure 900 psia
- Loop 1 Thot 500° F
- Loop 2 Thot 531° F
- Loop 1 Tcolds 480° F
- Loop 2 Tcolds 495°F
- Representative CET 528°F
- Containment Pressure 18.1 psia
- CP-2 Subcooled Margin Meter 30°F
- RVLMS indicates 80% in the Reactor Vessel Head

The CRS is trying to determine Adequate Core Cooling and asks you to verify subcooled margin. You would respond:

- A. Subcooled Margin is 30° F.
- B. Subcooled Margin is 1°F.
- C. Subcooled Margin is 32° F.
- D. Subcooled Margin is 4° F.

ANSWER

D. Subcooled Margin is approximately 4°F. **COMMENTS**

Provide copy of Steam Tables and calculator. Per OI-038-000, EOP Expectations/Guidance – below 1000 psia, other indications should be used to determine Subcooled Margin instead of the CP-2 meter. With Natural Circulation conditions (no RCPs due to CSAS at 17.7 psia), Representative CET should be used to determine Subcooled Margin.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-1		New
Question History				

Examination Bank

Examination Qu	estion Numbe	r 16			
QUESTION ID:	5956 -	STAT	US: Revisio	n LAST U	SED
	А				
DESCRIPTION:	RCS Activity TS				
AUTHOR:	dvince1		REVISION	1 REVISIO	N DATE 06/05/2002
APPROVAL:			APPROVAL DA	TE:	
REFERENCE VERI	FIED: dvince1		VERIFICATION	N DATE: 06/0	5/2002
TYPE: Mult	iple Choice	TIN	AE: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCI	E: X	OPEN REFER	ENCE
SPECIAL REFEREN	NCES:	SIMU	LATOR SETUP		
PLANT SYSTEM:	TS	CATEGO	RY: ADMIN		
REFERENCE:	REVISION:	CHANGE:	DATE:		
TS 3.4.7					
NRC KA NUMBER:	RO	SRO	TRAINING M	IATERIAL:	OBJECTIVE
2-2-25	2.5	3.7	W-3-LP-OPS-C	CHM03	14
			W-3-LP-OPS-C	CHM03	15

QUESTION

If RCS Specific Activity exceeds Technical Specification limits the plant must be placed in Hot Standby and Tavg reduced to < 500 degrees F. The basis for the limit of < 500 deg F on Tavg is to:

- A. Reduce contamination of secondary systems.
- B. Stay below lift setpoint of the Main Steam Safeties.
- C. Reduce Steam Pressure to prevent possible Tube Rupture.
- D. Increase Recirculation Ratio to help clean up activity.

ANSWER

B. Stay below lift setpoint of the Main Steam Safeties.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		1-1		New
Question History				

Examination Bank

Examination Qu	uestion Numb	er 17				
QUESTION ID:	6027	- STAT	TUS: Rev	ision	LAST USED	
		Α				
DESCRIPTION:	Continuous CI	EA Withdrawal an	d Insertion Limi	ts		
AUTHOR:	dvince1		REVISION	1	REVISION DATE	06/18/2002
APPROVAL:			APPROVAL	DATE:		
REFERENCE VERI	FIED: dvinc	e1	VERIFICAT	ION DA	TE: 06/18/2002	
TYPE: Mult	tiple Choice	TI	ME:	5 P	OINTS:	1
QUIZ ONLY:	CLOS	ED REFERENC	E: X	0	PEN REFERENCE	
SPECIAL REFEREN	NCES:	X SIMU	LATOR SETU	Р		
PLANT SYSTEM:	TS	CATEGO	RY: ADN	1IN		
REFERENCE:	REVISION:	CHANGE:	DAT	E:		
TS 3.1.3						
NRC KA NUMBER:	RO	SRO	TRAINING	5 MATE	RIAL: OBJECT	ΓIVE
4.2-A1-AK1.04	3.7	3.9	WLP-OPS-	CED00	8	

QUESTION

The plant is doing a downpower to 50% for Feedwater Pump A maintenance. As the downpower commences, the CRS directs the PNPO to commence ASI control. After 1 hour, power is at 73% with Group P at 120 inches withdrawn and Group 6 at 145 inches withdrawn. The CRS directs CEA Insertion for ASI control so as to NOT exceed The Short Term Steady State Insertion Limit. Based upon this order and current power level, CEA Group P can be inserted to ______ and CEA Group 6 can be inserted to ______ and CEA Group 6 can be inserted to ______ and CEA Group 6 can be inserted to ______.

- A. 120 inches, 120 inches
- B. 108 inches, 120 inches
- C. 60 inches, 108 inches
- D. 108 inches, 60 inches **ANSWER**

D. Restore CEAs to above 120 inches withdrawn within 4 hours or log CEA Insertion hours.

COMMENTS

Provide copy of TS 3.1.3.1, TS 3.1.3.6 and COLR Figures 4 and 5.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis	-	1-2		New
Question History				

Examination Qu	estion Numbe	er 18			
QUESTION ID:	5957 -	STATU	S: Revision	LAST USED	
	A	L			
DESCRIPTION:	Dropped Contro	ol Rod and Indicatio	n		
AUTHOR: d	lvince1	F	REVISION 1	REVISION DATE	2 06/05/2002
APPROVAL:		A	APPROVAL DAT	E:	
REFERENCE VERI	FIED: dvince	N	VERIFICATION I	DATE: 06/05/2002	
TYPE: Multi	ple Choice	TIMI	E: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE:	Х	OPEN REFERENCE	
SPECIAL REFEREN	CES:	SIMULA	ATOR SETUP		
PLANT SYSTEM:	CEC	CATEGORY	THEORY		
	TYR				
REFERENCE:	REVISION:	CHANGE:	DATE:		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL: OBJEC	CTIVE
4.2-A3-AA2.03	3.6	3.8	W-3-LP-OPS-PP	010 1	

QUESTION

CEA #23 has dropped into the core. The crew has entered OP-901-102, CEA or CEDMCS Malfunction. The first step for dealing with a dropped CEA is to match Tavg and Tref. The reason this is done is because:

- A. RCS pressure has increased.
- B. Turbine First Stage Pressure has increased.
- C. RCS temperature has decreased.
- D. Shutdown Margin has decreased.

ANSWER

C. RCS temperature has decreased.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		1-2		New
Question History				

Examination Qu	estion Numbe	r 19				
QUESTION ID:	5958 -	STATU	S: Revision	n LAS'	ГUSED	
	А					
DESCRIPTION:	Reactor Trip Re	covery				
AUTHOR: 0	dvince1]	REVISION	1 REVIS	SION DATE	06/05/2002
APPROVAL:		1	APPROVAL DA	ГЕ:		
REFERENCE VERI	FIED: dvince1	•	VERIFICATION	DATE: (6/05/2002	
TYPE: Multi	iple Choice	TIM	E: 5	POINTS:	1	
QUIZ ONLY:	CLOSE	D REFERENCE:	: X	OPEN REF	ERENCE	
SPECIAL REFEREN	ICES:	SIMUL	ATOR SETUP			
PLANT SYSTEM:	PPE	CATEGORY	Y: PROCEE	DURE		
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-902-009	01	00	04/04/200)1		
NRC KA NUMBER:	RO	SRO	TRAINING M	ATERIAL:	OBJECTIVE	2
4.1-E7-EK3.01	4	4.6	WLP-OPS-PPE	01	15	

QUESTION

The reactor was at 100% power. Two CEAs fell into the core and the reactor was manually tripped. During Standard Post Trip Actions, the following items were reported:

- Feedwater Pump A tripped on loss of lube oil.
- Startup Feedwater Regulating Valve B had to be manually placed to 20% open.
- The 3 to 2 Tie Breaker for Safety Bus A tripped open and EDG A failed to start.
- Pressurizer Pressure dropped to 2150 psia and all Pressurizer Backup Heaters had to be manually started.

Assuming all other indications are as required, which Emergency Operating Procedure would the crew end up in?

A. OP-902-001, Reactor Trip Recovery

- B. OP-902-003, Loss of Offsite Power/Loss of Forced Circulation Recovery
- C. OP-902-006, Loss of Main Feedwater Recovery
- D. OP-902-008, Functional Recovery

ANSWER

A. OP-902-001, Reactor Trip Recovery **COMMENTS**

B is wrong because must lose offsite power or all RCPs to reach it via diagnostics.

C is wrong because still have Feed pump B.

D is wrong because listed actions do not require entry.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-2		New
Question History				

Examination Qu	estion Numb	er 20					
QUESTION ID:	5959 -	STAT	fus: I	Revision	LAS	T USED	
	I	۱					
DESCRIPTION:	Pressurizer Stea	im Space					
AUTHOR: 0	dvince1		REVISIO	N 1	REVI	SION DATE	06/05/2002
APPROVAL:			APPROVA	AL DATI	Ξ:		
REFERENCE VERI	FIED: dvince	1	VERIFICA	ATION E	DATE:	06/05/2002	
TYPE: Multi	iple Choice	TI	ME:	5	POINTS:		1
QUIZ ONLY:	CLOS	ED REFERENC	Е:	Х	OPEN RE	FERENCE	
SPECIAL REFEREN	ICES:	SIMU	LATOR SE	TUP			
PLANT SYSTEM:	TYH	CATEGO	RY: T	HEORY			
REFERENCE:	REVISION:	CHANGE:	D	ATE:			
NRC KA NUMBER:	RO	SRO	TRAIN	ING MA'	FERIAL:	OBJECT	IVE
4.2-A8-AK1.02	3.1	3.7	W-3-LP-	-OPS-TY	H04	21	

QUESTION

A small leak on the top of the pressurizer has occurred. The crew enters OP-901-111, RCS Leakage, and performs a RCS Leakrate. The leakrate calculation determines that unidentified leakage is 1.5 GPM. Previous leakage had been 0.03 GPM. The crew commences a shutdown IAW OP-010-005, Plant Shutdown. During the Shutdown, the Main Spray Valve 1A sticks open and Pressurizer Pressure drops to 2085 psia before the crew can shut the valve. Which of the following is a result of this event?

- A. Unidentified leakage will drop due to the pressure change.
- B. The reactor will trip due to the low pressure.
- C. RVLMS will indicate a partial Reactor Head void due to the low pressure.
- D. Pressurizer level will drop due to the pressure change.

ANSWER

A. Unidentified leakage will drop due to the pressure change. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-2		New
Question History				

Examination Bank

Examination Q	uestion Numb	er 21				
QUESTION ID:	5960	- STA	fUS: Rev	vision	LAST USED	
		A				
DESCRIPTION:	Small Break L	OCA and Steam	Generators			
AUTHOR:	dvince1		REVISION	1	REVISION DATE	06/05/2002
APPROVAL:			APPROVAL	DATE:		
REFERENCE VERI	FIED: dvince	-1	VERIFICAT	ION DA'	TE: 06/05/2002	
TYPE: Mult	tiple Choice	TI	ME:	5 P	OINTS:	1
QUIZ ONLY:	CLOS	ED REFERENC	E: X	0	PEN REFERENCE	
SPECIAL REFEREN	NCES:	SIMU	JLATOR SETU	P		
PLANT SYSTEM:	PPE	CATEGO	PRO PRO	CEDURI	Ŧ	
REFERENCE:	REVISION:	CHANGE:	DAT	E:		
NRC KA NUMBER:	RO	SRO	TRAINING	G MATE	RIAL: OBJEC	ГIVE
4.1-E9-EK2.03	3	3.3	WLP-OPS-	PPE02	14	

QUESTION

For a Small Break LOCA inside containment, the RCS Heat Removal process can be described as: (Note – assume all ESFAS actuations occurred as required.)

- A. Forced Circulation using the Reactor Coolant Pumps
- B. Single Phased Natural Circulation using the Emergency Feedwater Pumps
- C. Two Phased Natural Circulation using the Steam Bypass Control System
- D. Break Heat Removal using the Main Feedwater Pumps

ANSWER

B. Single Phased Natural Circulation using the Emergency Feedwater Pumps

COMMENTS

On Small Break LOCAs, Containment Spray Actuation and Main Steam Isolation would occur so Reactor Coolant Pumps, Steam Bypass Control and MFW Pumps would not be available.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		1-2		New
Question History				

Examination Bank

Examination Qu	uestion Numb	er 22				
QUESTION ID:	5961 -	STATU	S: Revision	LAST	T USED	
	A	۱				
DESCRIPTION:	Large Break LO	OCA versus ESDE				
AUTHOR:	dvince1	1	REVISION	1 REVIS	ION DATE	06/05/2002
APPROVAL:		I	APPROVAL DAT	Е:		
REFERENCE VERI	FIED: dvince	1 1	VERIFICATION	DATE: 0	6/05/2002	
TYPE: Mult	tiple Choice	TIM	E: 5	POINTS:	1	
QUIZ ONLY:	CLOS	ED REFERENCE:	Х	OPEN REF	ERENCE	
SPECIAL REFEREN	NCES:	SIMUL	ATOR SETUP			
PLANT SYSTEM:	PPE	CATEGORY	Y: PROCED	URE		
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-902-009	01	00	04/04/2001	1		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECTIVE	2
4.1-E11-EA2.13	3.7*	3.7*	WLP-OPS-PPE0	2	15	

QUESTION

Given the following plant conditions:

- Reactor is tripped with 2 CEAs stuck out.
- Pressurizer Level is 0%.
- Pressurizer Pressure is 1485 psia and dropping slowly.
- Representative CET temperature is 581°F and rising slowly.
- Steam Generator Pressures are 988 psia and steady.
- Containment Pressure is 16.9 psia and rising slowly.
- Assume all actuations occurred as required.

What event has occurred?

- A. Steam Generator Tube Rupture
- B. Excess Steam Demand inside Containment
- C. Loss of Coolant Accident
- D. Loss of Forced Circulation

ANSWER

C. Loss of Coolant Accident **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-2		New
Question History				

Examination Bank

Examination Qu	estion Numbe	r 23					
QUESTION ID:	5962 -	STA	TUS:	Revision	LAST U	SED	
	А						
DESCRIPTION:	VCT Level and	Makeup					
AUTHOR: d	lvince1		REVIS	ION	REVISIO	N DATE	06/05/2002
APPROVAL:			APPRO	OVAL DAT	E:		
REFERENCE VERI	FIED: dvince1		VERIF	ICATION 1	DATE: 06/03	5/2002	
TYPE: Multi	ple Choice	Т	IME:	5	POINTS:	1	
QUIZ ONLY:	CLOSE	D REFEREN	CE:	Х	OPEN REFER	ENCE	
SPECIAL REFEREN	CES:	SIM	ULATOR	SETUP			
PLANT SYSTEM:	CVC	CATEG	ORY:	PROCEDU	JRE		
	PPO						
REFERENCE:	REVISION:	CHANGE:		DATE:			
OP-901-113	01	01		11/12/1999)		
NRC KA NUMBER:	RO	SRO	TRA	INING MA	TERIAL:	OBJECTIVE	
4.2-A22-AA1.08	3.4	3.3	W-3-	LP-OPS-PP	O10	4	

QUESTION

The plant is at 100% power when the VCT LEVEL LO-LO annunciator is received. The PNPO reports that the VCT Level indication on CP-2 reads 0% and that the PMC VCT Level indication is 40%. Which of the following will immediately occur as a result of this failure?

- A. Charging Pump suction will shift to the RWSP.
- B. VCT Makeup will start if aligned for Auto.
- C. Charging Pumps will trip.
- D. Letdown will auto divert to BMS. **ANSWER**

B. VCT Makeup will start if aligned for Auto. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-2		New
Question History				

Examination Qu	estion Numb	er 24				
QUESTION ID:	5963 -	STATU	S: Revisio	on LAS	T USED	
	I	۹				
DESCRIPTION:	Loss of SDC ar	d LPSI pumps				
AUTHOR: d	lvince1]	REVISION	1 REVIS	SION DATE	06/05/2002
APPROVAL:			APPROVAL DA	ATE:		
REFERENCE VERI	FIED: dvince	1	VERIFICATIO	N DATE: (06/05/2002	
TYPE: Multi	ple Choice	TIM	E: 5	POINTS:	1	
QUIZ ONLY:	CLOS	ED REFERENCE	: X	OPEN REI	FERENCE	
SPECIAL REFEREN	ICES:	SIMUL	ATOR SETUP			
PLANT SYSTEM:	PPO	CATEGOR	Y: PROCE	DURE		
	SDC					
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-901-131	02	00	01/08/20	002		
NRC KA NUMBER:	RO	SRO	TRAINING M	IATERIAL:	OBJECTIV	E
4.2-A25-AK2.02	3.2*	3.2	WLP-OPS-RE	Q21	6	

QUESTION

The plant is in Mode 5 with Reduced Inventory with both SDC Trains in service. The dedicated SDC watch reports the following:

- LPSI Pump B Flow Lost Alarm
- SDC Trouble Alarm
- LPSI Pump B Amperage reads 5 amps and steady
- LPSI Pump B Flow indicates a steady 1500 GPM

What has occurred?

- A. LPSI Pump B Minimum Flow Recirc valve has failed open.
- B. LPSI Pump B is air bound.
- C. LPSI Pump B is at runout condition.
- D. LPSI Pump B is cavitating.

ANSWER

B. LPSI Pump B is air bound.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-2		New
Question History				

Examination Qu	estion Numb	er 25				
QUESTION ID:	5964	- STA	ATUS:	Revision	LAST USED	
		Α				
DESCRIPTION:	ATWS - Manu	ıal Trip				
AUTHOR:	dvince1		REVISIO	DN 1	REVISION DAT	E 06/05/2002
APPROVAL:			APPROV	AL DATE:		
REFERENCE VERI	FIED: dvinc	el	VERIFIC	CATION DA	ATE: 06/05/2002	
TYPE: Mult	iple Choice	r	ГІМЕ:	5 1	POINTS:	1
QUIZ ONLY:	CLOS	SED REFEREN	ICE:	X C	OPEN REFERENCE	
SPECIAL REFEREN	NCES:	SIN	IULATOR S	ETUP		
PLANT SYSTEM:	ATS	CATEG	ORY:	SYSTEM		
	PPE					
REFERENCE:	REVISION:	CHANGE:	I	DATE:		
OP-902-000	09	00	0	02/12/2001		
NRC KA NUMBER:	RO	SRO	TRAIN	VING MAT	ERIAL: OBJE	CTIVE
4.1-E29-EK3.10	4.1	4.1	WLP-C	OPS-PPE01	10	
			W-3-LI	P-OPS-ATS	3	
OUESTION						

The plant is at 100% power when a Reactor Power Cutback occurs due to an equipment malfunction (card failure). CEA #1 falls into the core following the Reactor Power Cutback. The CRS orders a manual reactor trip but the manual trip buttons do not work. The PNPO initiates a manual trip using the DRTS pushbuttons. Assuming everything functions as required and all CEAs insert, which of the following statement is TRUE for actions taken for this event?

- A. The MG Set Load Contactors will be open, MG Sets are running and the Reactor Trip Breakers will be closed.
- B. The MG Set Load Contactors will be closed, MG Sets are running and the Reactor Trip Breakers will be open.
- C. The MG Set Load Contactors will be open, MG Sets are tripped and the Reactor Trip Breakers will be closed.
- D. The MG Set Load Contactors will be closed, MG Sets are tripped and the Reactor Trip Breakers will be open.

ANSWER

A. The MG Set Load Contactors will be open, MG Sets are running and the Reactor Trip Breakers will be closed.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-2		New
Question History				

Examination Bank

Examination Qu	estion Numb	er 26			
QUESTION ID:	5965 -	- STAT	US: Revisio	n LAST	JSED
		4			
DESCRIPTION:	ENI Startup Ch	annels and Power	Restoration		
AUTHOR: d	lvince1		REVISION	1 REVISIO	DN DATE 06/05/2002
APPROVAL:			APPROVAL DA	TE:	
REFERENCE VERI	FIED: dvince	1	VERIFICATION	DATE: 06/	05/2002
TYPE: Multi	ple Choice	TIM	IE: 5	POINTS:	1
QUIZ ONLY:	CLOS	ED REFERENCE	2: X	OPEN REFE	RENCE
SPECIAL REFEREN	ICES:	SIMUI	LATOR SETUP		
PLANT SYSTEM:	ENI	CATEGOR	XY: SYSTEM	1	
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-004-008	06	01	03/20/20	02	
NRC KA NUMBER:	RO	SRO	TRAINING M	ATERIAL:	OBJECTIVE
4.2-A32-AA1.01	3.1*	3.4*	W-3-LP-OPS-E	ENI00	4

QUESTION

The plant is at 90% power following a downpower for work on Heater Drain Pump A. Startup Channel A was removed for maintenance and the Startup HV Control Selector Switch is aligned to the OFF position. Maintenance has been completed and the NPO goes to realign the Startup Channel to service. The NPO inadvertently turns the Startup HV Control Selector Switch to ON and walks away. What is a possible effect of this action?

- A. Audio Count Rate amplifier automatically turns off.
- B. The associated Boron Dilution Monitor fails low.
- C. CPC A trip on DNBR and LPD occurs.
- D. Startup Channel A detector is damaged.

ANSWER

D. Startup Channel A detector is damaged.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-2		New
Question History				

Examination Qu	estion Numbe	er 27			
QUESTION ID:	5966 -	STATU	S: Revision	LAST	USED
	A	L Contraction of the second se			
DESCRIPTION:	SG Tube Leak				
AUTHOR:	dvince1]	REVISION	1 REVISIO	ON DATE 06/05/2002
APPROVAL:			APPROVAL DAT	TE:	
REFERENCE VERI	FIED: dvince	1 '	VERIFICATION	DATE: 06/	05/2002
TYPE: Mult	iple Choice	TIM	E: 5	POINTS:	1
QUIZ ONLY:	CLOSI	ED REFERENCE	: X	OPEN REFE	RENCE
SPECIAL REFEREN	NCES:	SIMUL	ATOR SETUP		
PLANT SYSTEM:	PPO	CATEGOR	Y: PROCED	URE	
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-901-202	03	00	04/11/200	1	
NRC KA NUMBER:	RO	SRO	TRAINING MA	ATERIAL:	OBJECTIVE
2-3-11	2.7	3.2	WLP-OPS-PPO2	20	4

QUESTION

The plant has experienced a Steam Generator Tube Leak. OP-901-202, Steam Generator Tube Leakage or High Activity, has been entered. The plant is currently shutdown and carrying out the actions of OP-901-202. RCS Pressure is higher than the isolated Steam Generator pressure. The isolated SG Narrow Range level is 79% and rising. If the SG Level is not brought under control, what could occur?

- A. Water hammer of the Main Steam piping.
- B. Opening of Main Steam Safeties.
- C. Dilution of the RCS boron concentration.
- D. Contamination of the Main Condenser.

ANSWER

B. Opening of Main Steam Safeties.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehensive or Analysis		1-2		New
Question History				

Examination Q	uestion Num	ber 28							
QUESTION ID:	5967	- STA	ATUS:	Revisio	n	LA	ST USED		
		Α							
DESCRIPTION:	SGTR and Na	atural Circulation	1						
AUTHOR:	dvince1		REVIS	SION	1	REV	ISION DATE		06/05/2002
APPROVAL:			APPR	OVAL DA	TE:				
REFERENCE VERI	FIED: dvine	cel	VERI	FICATION	DA'	TE:	06/05/2002		
TYPE: Mult	tiple Choice	r	ГІМЕ:	5	Р	OINTS:		1	
QUIZ ONLY:	CLO	SED REFEREN	VCE:	Х	0	PEN RE	FERENCE		
SPECIAL REFEREN	NCES:	SIM	IULATOF	R SETUP					
PLANT SYSTEM:		CATEG	ORY:						
REFERENCE:	REVISION:	CHANGE:		DATE:					
OP-902-007	10	0							
NRC KA NUMBER:	RO	SRO	TRA	AINING M	ATE	RIAL:	OBJEC	ГІУЕ	
4.1-E38-EA2.09	4.2	4.2	WL	P-OPS-PPE	07		4		

QUESTION

Following a SGTR with a concurrent Loss of Offsite Power, which ONE of the following would indicate Natural Circulation criteria is met?

- A. All available charging pumps running with 88 gpm of flow.
- B. Loop delta T is 40 degrees F.
- C. High Pressure Safety Injection flow is 200 gpm per loop.
- D. Thot is 545 degrees F and slowly rising.

ANSWER

B. Loop delta T is 40 degrees F. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-2		New
Question History				

Examination Qu	estion Number	r 29			
QUESTION ID:	5968 -	STATUS	: Revision	LAST U	ISED
	Α				
DESCRIPTION:	Loss of Main Fee	edwater - interlocks			
AUTHOR: d	lvince1	R	EVISION	REVISIO	N DATE 06/10/2002
APPROVAL:		Α	PPROVAL DAT	E:	
REFERENCE VERIF	FIED: dvince1	V	ERIFICATION I	DATE: 06/1	0/2002
TYPE: Multi	ple Choice	TIME	: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE:	Х	OPEN REFER	RENCE
SPECIAL REFEREN	CES:	SIMULA	TOR SETUP		
PLANT SYSTEM:	RXC	CATEGORY	: SYSTEM		
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-004-015	08	00	05/31/2001		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECTIVE
CE/EO6 EK2.1	3.3	3.7	WLP-OPS-RXC0	00	1

QUESTION

For Feedwater Pump A, which ONE of the following would cause a Reactor Power Cutback?

- A. Feedwater pump speed controller fails to 0% output.
- B. 2 of 2 Speed Sensor Pickup probes (SSPU) fail Off.
- C. 2 of 2 Control Oil Pressure read less than 60 psig.
- D. Duplex Oil Filter reaches 20 psid.

ANSWER

C. 2 of 2 Control Oil Pressure read less than 60 psig. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		1-2		New
Question History				

Examination Bank

Examination Qu	estion Numb	er 30					
QUESTION ID:	5969	- STA	ΓUS: Re	evision	LAST USED	1	
		A					
DESCRIPTION:	Loss of DC Po	wer - battery chai	rgers				
AUTHOR:	dvince1		REVISION	1	REVISION DA	ATE 06/10/20	02
APPROVAL:			APPROVA	L DATE:			
REFERENCE VERI	FIED: dvince	21	VERIFICA	TION DA	TE: 06/10/20	02	
TYPE: Mult	iple Choice	TI	ÍME:	5 P	OINTS:	1	
QUIZ ONLY:	CLOS	ED REFERENC	CE: X	0	PEN REFERENC	CE	
SPECIAL REFEREN	ICES:	SIMU	JLATOR SET	UP			
PLANT SYSTEM:	DC	CATEGO	DRY:				
REFERENCE:	REVISION:	CHANGE:	DA	TE:			
TS 3.8.2.1							
NRC KA NUMBER:	RO	SRO	TRAININ	NG MATE	CRIAL: OB	JECTIVE	
4.2-A58-AK1.01	2.8	3.1*	W-3-LP-0	OPS-PPO3	0 5		

QUESTION

Battery Charger 3B1 is tagged out for maintenance. Battery Charger 3B2 trips on overcurrent. It takes the shift crew 30 minutes to restore Battery Charger 3B1 to service. Battery 3B-S voltage reaches 108 volts before Battery Charger 3B1 is restored. The Battery Charger is restored to service and Battery 3B-S voltage is reading 132 volts. Which ONE of the following statements is true following restoration?

- A. Restore Battery Charger 3B2 to OPERABLE status within the next 2 hours.
- B. Perform Surveillance Requirement 4.8.2.1a.1 within 7 days.
- C. No action is required per TS 3.8.2.1.
- D. Verify parameters listed in Table 4.8-2 meet the Category B limits within 7 days.

ANSWER

D. Verify parameters listed in Table 4.8-2 meet the Category B limits within 7 days.

COMMENTS

Give copy of TS 3.8.2.1.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-2		New
Question History				

Examination Bank

Examination Qu	estion Numb	er 31					
QUESTION ID:	5970 -	- STA	TUS:	Revision	LAST U	SED	
	1	4					
DESCRIPTION:	Waste Gas Rele	ease and E-Plan					
AUTHOR: 0	lvince1		REVISIC	DN 1	REVISIO	N DATE	06/10/2002
APPROVAL:			APPROV	AL DATE	E:		
REFERENCE VERI	FIED: dvince	1	VERIFIC	CATION D	ATE: 06/10	0/2002	
TYPE: Multi	ple Choice	Т	IME:	5	POINTS:	1	
QUIZ ONLY:	CLOS	ED REFEREN	CE:	Х	OPEN REFER	ENCE	
SPECIAL REFEREN	ICES:	SIM	ULATOR S	ETUP			
PLANT SYSTEM:	GWM	CATEG	DRY: I	PROCEDU	RE		
	PPO						
REFERENCE:	REVISION:	CHANGE:	Г	DATE:			
OP-901-413	00	01	0	08/14/2000			
NRC KA NUMBER:	RO	SRO	TRAIN	NING MA	FERIAL:	OBJECTIVE	
4.2-A60-AK3.01	2.9	4.2	W-3-LI	P-OPS-PPC	040	3	

QUESTION

A Gaseous Waste Release is in progress from Gas Decay Tank A. A Waste Gas Activity Hi alarm comes in on CP-4. Which ONE of the following is TRUE in relation to this event?

- A. GWM-309, Waste Gas Discharge Flow Control Valve, must be shut by the NPO.
- B. The Shift Manager will evaluate need to activate the Emergency Plan.
- C. GWM-305A, Gas Decay Tank A Discharge Isolation, will automatically close.
- D. The CRS should enter OP-901-414, Effluent Discharge High Radiation.

ANSWER

B. The Shift Manager will evaluate need to activate the Emergency Plan.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		1-2		New
Question History				

Examination Q	uestion Numb	er 32			
QUESTION ID:	5971 -	STAT	'US: Revisio	on LAST U	SED
	A	1			
DESCRIPTION:	ARM Annuncia	tor Response Act	tions		
AUTHOR:	dvince1		REVISION	1 REVISIO	N DATE 06/10/2002
APPROVAL:			APPROVAL DA	ATE:	
REFERENCE VER	IFIED: dvince	1	VERIFICATIO	N DATE: 06/1	0/2002
TYPE: Mul	tiple Choice	TI	ME: 5	POINTS:	1
QUIZ ONLY:	CLOSI	ED REFERENC	E: X	OPEN REFER	ENCE
SPECIAL REFERE	NCES:	SIMU	LATOR SETUP		
PLANT SYSTEM:	ARM	CATEGO	RY: PROCE	DURE	
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-901-402	02	00	08/18/20	000	
NRC KA NUMBER	: RO	SRO	TRAINING M	IATERIAL:	OBJECTIVE
4.2-A61-AK3.02	3.4	3.6	W-3-LP-OPS-I	PPO40	1
			WLP-OPS-RM	IS	3

QUESTION

The plant is at 100% power. The Rad Monitoring Sys Activity Hi-Hi annunciator alarms. The RM-11 shows the Charging Pump Rooms Area Rad Monitor (ARM-IRE-5023) and the HVAC Duct PIG A (PRM-IRE-6710A) are in alarm. All other plant indications are normal and stable. Given this information, which Off Normal procedure would the crew enter?

- A. OP-901-402, High Airborne Activity in the Reactor Auxiliary Building
- B. OP-901-413, Waste Gas Discharge High Radiation
- C. OP-901-111, Reactor Coolant System Leakage
- D. OP-901-112, Charging or Letdown Malfunction

ANSWER

A. OP-901-402, High Airborne Activity in the Reactor Auxiliary Building **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-2		New
Question History				

Examination Qu	estion Numbe	r 33				
QUESTION ID:	5972 -	STATU	JS: Revision	n LAS	T USED	
	А					
DESCRIPTION:	OP-902-008 Exi	t				
AUTHOR:	dvince1		REVISION	1 REVI	SION DATE	06/10/2002
APPROVAL:			APPROVAL DA	TE:		
REFERENCE VERI	FIED: dvince1		VERIFICATION	DATE:	06/10/2002	
TYPE: Mult	iple Choice	TIM	E: 5	POINTS:	1	
QUIZ ONLY:	CLOSE	D REFERENCE	: X	OPEN REI	FERENCE	
SPECIAL REFEREN	ICES:	SIMUL	ATOR SETUP			
PLANT SYSTEM:	PPE	CATEGOR	Y: PROCEI	DURE		
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-902-008	12	00	04/12/200	01		
NRC KA NUMBER:	RO	SRO	TRAINING M	ATERIAL:	OBJECTIVE	C
CE/E09-EK3.2	3.0	3.5	WLP-OPS-PPE	08	5	

QUESTION

The plant has experienced a Loss of Coolant Accident Inside Containment concurrent with and Excess Steam Demand Event. All ESFAS actuations have occurred as required. All acceptance criteria for the implemented success path for each Safety Function is being satisfied. The crew is now evaluating exiting OP-902-008. Given the current plant conditions, which ONE of the following is NOT a procedure that the crew would exit to from OP-902-008?

- A. OP-010-005, Plant Shutdown
- B. OP-902-009, Appendix 1, Diagnostic Flow Chart
- C. OP-902-002, Loss of Coolant Accident
- D. A procedure developed by the TSC.

ANSWER

A. OP-010-005, Plant Shutdown **COMMENTS**

OP-010-005 requires operating RCP and MFW – all ESFAS actuations would have MSIS (No MFW possible) and CSAS (No RCPs).

Cognitive Level	Tier-Group	RO	SRO	Question Source		
Memory or Fundamental Knowledge		1-2		New		
Question History						
Examination Qu	uestion Numb	er 34				
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QUESTION ID:	5973	- STATUS	S: Revision	L	AST USED	
		A				
DESCRIPTION:	Pzr Level Cont	rol Malfunction and	Changing Power			
AUTHOR:	dvince1	F	REVISION	1 RE	VISION DATE	06/11/2002
APPROVAL:		A	APPROVAL DAT	'Е:		
REFERENCE VERI	FIED: dvince	el V	ERIFICATION	DATE:	06/11/2002	
TYPE: Mult	tiple Choice	TIMI	E: 5	POINT	S: 1	1
QUIZ ONLY:	CLOS	ED REFERENCE:	Х	OPEN F	REFERENCE	
SPECIAL REFEREN	NCES:	X SIMULA	ATOR SETUP			
PLANT SYSTEM:	PPO	CATEGORY	PROCED	URE		
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-901-110	03	01	09/02/1998	8		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL	: OBJECTI	VE
4.2-A28-AK3.04	2.9*	3	W-3-LP-OPS-PP	O10	3	

QUESTION

The plant is at 100% power when a Pressurizer Level Setpoint Malfunction occurs. The crew has entered OP-901-110, Pressurizer Level Malfunction. What would be the minimum level of operation for Pressurizer Level if the plant had to drop power to 95%?

- A. 44%
- B. 41%
- C. 38%
- D. 31%

ANSWER

B. 41% COMMENTS

Give copy of OP-901-110, Attachment 1, Pzr level vs. Tave Curve, and Plant Data Book Section 2.2.1, RCS Temperature Control Bands vs. Power.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-3		New
Question History				

Examination Qu	estion Numbe	r 35					
QUESTION ID:	3318 -	B STATU	S: Draft	LAST USED			
DESCRIPTION:	IA pressure for I	RX trip (similiar to	RO NRC EXAM	1994)			
AUTHOR:	bcoble	1	REVISION	0 REVISION DATE 03/24/19)99		
APPROVAL:			APPROVAL DAT	TE:			
REFERENCE VERI	FIED: dvince1		VERIFICATION	DATE: 06/18/2002			
TYPE: Mult	iple Choice	TIM	E: 5	POINTS: 1			
QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE							
SPECIAL REFEREN	NCES:	SIMUL	ATOR SETUP				
PLANT SYSTEM:	IA	CATEGOR	Y: Procedure	2			
	PPO						
REFERENCE:	REVISION:	CHANGE:	DATE:				
OP-901-511	04	03	07/03/200	0			
NRC KA NUMBER:	RO	SRO	TRAINING MA	ATERIAL: OBJECTIVE			
4.2-A65-AA2.06	3.6*	4.2	W-3-LP-OPS-A	IR00 5			
			W-3-LP-OPS-PF	PO50 4			

QUESTION

Given the following:

- The plant is at 100 % power when the following alarms are received:
 - INST AIR PRESS BACKUP VLV OPEN
 - INST AIR DRYERS BYPASSED
 - INSTRUMENT AIR RECEIVER PRESSURE HI/LO
- The PMC mimic AIR indicates excessive IA usage and rising.
- On CP-1, IA pressure is reading 60 psig and dropping.
- The crew is in OP-901-511, Instrument Air Malfunction.

What action should be taken?

- A. Commence a rapid plant shutdown IAW OP-901-212, Rapid Plant Downpower.
- B. Commence a normal plant shutdown IAW OP-010-005, Plant Shutdown.
- C. Trip the main turbine and perform OP-901-101, Reactor Power Cutback, concurrently with this procedure.
- D. Trip the reactor and perform OP-902-000, Standard Post Trip Actions, concurrently with this procedure.

ANSWER

D. Trip the reactor and perform OP-902-000, Standard Post Trip Actions, concurrently with this procedure.

COMMENTS

Rewrote question to make it more comprehension/analysis type. Dave Vincent 6/19/2002

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-3		Modified Bank
Question History				

Examination Qu	estion Numbe	r 36			
QUESTION ID:	5974 -	STATUS	S: Revision	LAST USED	
	Α				
DESCRIPTION:	RCS Leakage an	d Annunciator			
AUTHOR: 0	lvince1	R	REVISION 1	REVISION DATE	06/11/2002
APPROVAL:		Α	APPROVAL DATI	E:	
REFERENCE VERI	FIED: dvince1	V	ERIFICATION E	ATE: 06/11/2002	
TYPE: Multi	ple Choice	TIME	E: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE:	Х	OPEN REFERENCE	
SPECIAL REFEREN	ICES:	SIMULA	ATOR SETUP		
PLANT SYSTEM:	PPO	CATEGORY	PROCEDU	RE	
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-500-012	18	00	06/25/2001		
OP-901-111	01	05	06/14/2001		
NRC KA NUMBER:	RO	SRO	TRAINING MA	FERIAL: OBJEC	TIVE
CE/A16-AK1.3	3.2	3.5	W-3-LP-OPS-PPO	010 1	

QUESTION

The plant is at 85% power for Heater Drain Pump maintenance. A Containment Water Leakage Hi alarm is received. The Containment Weir indicates 5 GPM and steady. Charging and Letdown mismatch shows a rising trend? All other indications are normal. Which ONE of the following is the cause of this?

- A. Leak into the CCW AB Header from the RCS causing CCW reliefs to lift
- B. Leak from Containment Fan Coolers
- C. Leak from the RCS
- D. Leak from the Reactor Drain Tank **ANSWER**

C. Leak from the RCS **COMMENTS**

Note – Reference material OP-500-012, revision do not match because of Procedure Revision Policy that only revises the affected attachment of the Annunciator Response and not all attachments.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		1-3		New
Question History				

Examination Q	Question Numbe	er 37				
QUESTION ID:	1257 -	STATU	S: Approve	d LA	ST USED	
	A	L				
DESCRIPTION:	CEA Pulse Cou	nter response to Re	actor Trip.			
AUTHOR:	kkirkpa]	REVISION	1 REV	ISION DATE	06/26/1997
APPROVAL:	mlangan	1	APPROVAL DAT	ГЕ:	07/17/1997	
REFERENCE VER	RIFIED: dvince	1	VERIFICATION	DATE:	06/11/2002	
TYPE: MU	JLTIPLE CHOICE	TIM	E: 5	POINTS	:	1
QUIZ ONLY:	CLOSI	ED REFERENCE:	: X	OPEN R	EFERENCE	Х
SPECIAL REFERI	ENCES:	SIMUL	ATOR SETUP			
PLANT SYSTEM:	CED	CATEGORY	Y: SYSTEM			
REFERENCE:	REVISION:	CHANGE:	DATE:			
NRC KA NUMBER	R: RO	SRO	TRAINING MA	ATERIAL:	OBJECT	IVE
3.1-001-K4.01	3.5	3.8	W-3-LP-OPS-C	ED00	17	

QUESTION

All CEA's are initially at 150". CHOOSE the correct CEA Pulse Counter indication following a reactor trip in which all CEA's fully insert.

- A. Green LEL lights on CEDMCs Panel illuminate
- B. Rod Bottom light on the Core Mimic illuminate
- C. Selected Individual CEA Display indicates 150"
- D. Selected CEA Group Display indicates 0"

ANSWER

D. Selected CEA Group Display indicates 0"

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-1		Bank
Ouestion History				

Examination Qu	estion Numbe	er 38				
QUESTION ID:	6029 -	STATU	S: Revision	LA	ST USED	
	A	L Contraction of the second seco				
DESCRIPTION:	Post Trip Xenor	1				
AUTHOR:	dvince1]	REVISION	1 REV	ISION DATE	06/23/2002
APPROVAL:			APPROVAL DAT	Е:		
REFERENCE VERI	FIED: dvince	1	VERIFICATION	DATE:	06/23/2002	
TYPE: Mult	iple Choice	TIM	E: 5	POINTS:		1
QUIZ ONLY:	CLOSI	ED REFERENCE	: X	OPEN RE	FERENCE	
SPECIAL REFEREN	NCES:	SIMUL	ATOR SETUP			
PLANT SYSTEM:	TYR	CATEGOR	Y: THEORY			
REFERENCE:	REVISION:	CHANGE:	DATE:			
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECT	IVE
3.1-001-K5.85	3.5	3.7	W-3-LP-OPS-TY	/R06	7	

QUESTION

The reactor has just tripped from 100% power at 13 EFPD. How long will it take for xenon to reach its pre-trip value?

- A. 70 to 80 hours
- B. 40 to 50 hours
- C. 20 to 30 hours
- D. 6 to 10 hours

ANSWER

C. 20 to 30 hours **COMMENTS**

Rewrite of question #3891.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-1		Modified Bank
Question History				

Examination Qu	estion Numb	er 39				
QUESTION ID:	5975 .	- STATU	US: Revision	LAST U	USED	
		A				
DESCRIPTION:	RCP and Conta	ainment Isolation V	alves			
AUTHOR:	dvince1		REVISION	1 REVISIO	ON DATE	06/11/2002
APPROVAL:			APPROVAL DAT	E:		
REFERENCE VERI	FIED: dvince	21	VERIFICATION	DATE: 06/	11/2002	
TYPE: Mult	iple Choice	TIM	IE: 5	POINTS:	1	
QUIZ ONLY:	CLOS	ED REFERENCE	X: X	OPEN REFE	RENCE	
SPECIAL REFEREN	NCES:	SIMUL	ATOR SETUP			
PLANT SYSTEM:	PPO	CATEGOR	Y: PROCED	URE		
	RCP					
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-901-411	01	02	07/30/200	1		
OP-500-008	15	00	03/27/2002	2		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECTIVE	
3.4-003-K6.04	2.8	3.1	W-3-LP-OPS-RO	CP00	6	

QUESTION

A small RCS leak occurs in RCP 1A seal cooler. CCW AB Rad Monitor activity is rising. Which one of the following would be an action taken for this event?

- A. Open the RCP 1A CCW Isolation valve on CP-2.
- B. Open CC-710, CCW to Containment Isolation.
- C. Isolate the NNS Component Cooling Water Header.
- D. Trip the Reactor and secure all reactor coolant pumps.

ANSWER

A. Open the RCP 1A CCW Isolation valve on CP-2. **COMMENTS**

Note – Reference material OP-500-008, revision does not match because of Procedure Revision Policy that only revises the affected attachment of the Annunciator Response and not all attachments.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Qu	estion Numbe	r 40			
QUESTION ID:	5976 -	STATU	S: Revision	LAST USE	D
	А				
DESCRIPTION:	CVCS and effec	ts on RCS Temp &	Pressure		
AUTHOR:	dvince1	I	REVISION 1	REVISION I	DATE 06/11/2002
APPROVAL:		A	APPROVAL DAT	Е:	
REFERENCE VERI	FIED: dvince1	V	VERIFICATION I	DATE: 06/11/2	002
TYPE: Mult	iple Choice	TIM	E: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE:	X	OPEN REFEREN	ICE
SPECIAL REFEREN	NCES:	SIMULA	ATOR SETUP		
PLANT SYSTEM:	CVC	CATEGORY	Y: SYSTEM		
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-002-005	18	00	04/12/2002		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL: O	BJECTIVE
3.1-004-K3.06	3.4	3.6	wlp-ops-cvc00	6	
			W-3-LP-OPS-PS	204 28	3

QUESTION

The plant is at 100% power. The CVCS Ion Exchanger Bypass Switch, CVC-140, is selected to the Ion Exchanger position for testing. The Letdown Heat Exchanger Temperature Control Valve, CC-636, controller fails closed. Letdown Heat Exchanger outlet temperature rises to 180°F. Assuming no operator action, which one of the following would occur as a result of this event?

- A. CVC-140 will automatically bypass.
- B. RCS temperature will lower.
- C. Pressurizer level will rise.
- D. Volume Control Tank will divert.

ANSWER

B. RCS temperature will lower.

COMMENTS

RCS temperature lowers as the IX resin breaks down and releases boron with temperature increase.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Qu	estion Number	r 41				
QUESTION ID:	3458 -	STATUS	S: Approved	LAST	USED	
	Α					
DESCRIPTION:	CVC-101 Auto C	Closures.				
AUTHOR: N	NRC	R	EVISION () REVISI	ON DATE	01/06/1995
APPROVAL: t	brown	Α	PPROVAL DAT	E: 01.	/11/1995	
REFERENCE VERI	FIED: dvince1	V	ERIFICATION I	DATE: 06	/11/2002	
TYPE: Multi	ple Choice	TIME	5	POINTS:	1	
QUIZ ONLY:	CLOSE	D REFERENCE:	Х	OPEN REFE	RENCE	Х
SPECIAL REFEREN	CES:	SIMULA	TOR SETUP			
PLANT SYSTEM:	CVC	CATEGORY	SYSTEM			
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-002-005	18	00	04/12/2002			
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECTIVE	
3.2-004-A2.07	3.4	3.7	W-3-LP-OPS-CV	C00	3	

QUESTION

WHICH ONE (1) of the following sets of signals will AUTOMATICALLY close the Letdown Stop valve (CVC-101)?

- A. CIAS or HIGH letdown heat exchanger outlet temperatures.
- B. CIAS or HIGH regenerative heat exchanger outlet temperature.
- C. SIAS or HIGH letdown heat exchanger outlet temperatures.
- D. SIAS or HIGH regenerative heat exchanger outlet temperature.

ANSWER

D. SIAS or HIGH regenerative heat exchanger outlet temperature.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-1		Bank
Question History				

Examination Qu	estion Numb	er 42				
QUESTION ID:	5977 -	STATU	S: Revisior	n L	AST USED	
	I	1				
DESCRIPTION:	ESFAS - bus po	ower supplies				
AUTHOR: d	vince1]	REVISION	1 RE	VISION DATE	06/11/2002
APPROVAL:		1	APPROVAL DAT	ΓE:		
REFERENCE VERIF	TED: dvince	1 .	VERIFICATION	DATE:	06/11/2002	
TYPE: Multi	ple Choice	TIM	E: 5	POINT	'S:	1
QUIZ ONLY:	CLOSI	ED REFERENCE:	X X	OPEN I	REFERENCE	
SPECIAL REFEREN	CES:	SIMUL	ATOR SETUP			
PLANT SYSTEM:	PPS	CATEGORY	Y: PROCED	URE		
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-009-007	05	01	02/08/200	1		
NRC KA NUMBER:	RO	SRO	TRAINING MA	ATERIAL	.: OBJECT	IVE
3.2-013-K2.01	3.6*	3.8	WLP-OPS-PPS(00	2	

QUESTION

The plant is at 100% power. Maintenance is being performed on PPS Channel A and all PPS Channel A bistables are bypassed. The technician inadvertently de-energizes PPS Channel A completely. Which one of the following is TRUE as a result of this action?

- A. The bistable bypasses are no longer in effect.
- B. The reactor will trip.
- C. Safety Injection Actuation will occur.
- D. Excore Nuclear Instrumentation Safety Channel A will de-energize.

ANSWER

D. Excore Nuclear Instrumentation Safety Channel A will de-energize.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Q	uestion Numb	er 43			
QUESTION ID:	5978 -	STATU	US: Revision	LAST USED	
	A	1			
DESCRIPTION:	Inadvertent RA	S			
AUTHOR:	dvince1		REVISION	1 REVISION DAT	FE 06/11/2002
APPROVAL:			APPROVAL DAT	E:	
REFERENCE VERI	FIED: dvince	1	VERIFICATION	DATE: 06/11/2002	
TYPE: Mul	tiple Choice	TIM	1E: 5	POINTS:	1
QUIZ ONLY:	CLOSI	ED REFERENCE	E: X	OPEN REFERENCE	2
SPECIAL REFERE	NCES:	SIMUL	LATOR SETUP		
PLANT SYSTEM:	PPO	CATEGOR	RY: SYSTEM		
	SI				
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-901-504	02	01	06/03/2002	2	
NRC KA NUMBER	: RO	SRO	TRAINING MA	TERIAL: OBJ	ECTIVE
3.2-013-A2.06	3.7*	4	W-3-LP-OPS-PP	O50 3	
			WLP-OPS-SI00	3	

QUESTION

If the plant is at 100% power and an inadvertent Recirculation Actuation Signal (RAS) occurred, which of the following would be a potential concern? Assume no surveillances in progress.

- A. Loss of Low Pressure Safety Injection Pumps due to trip signal.
- B. Loss of Safety Injection suction due to SI-106A & B, ESF Pump Suction RWSP Valves, closing.
- C. Loss of Safeguards Pumps recirculation protection due to SI-120A & B, SI Pumps Recirc Isol Valves, closing.
- D. Potential Containment Isolation concern due to SI-602A & B, ESF Pumps Suction SI Sump Valves, opening.

ANSWER

D. Potential Containment Isolation concern due to SI-602A & B, ESF Pumps Suction SI Sump Valves, opening.

COMMENTS

Note – A is wrong because the trip signal is in for only 1 second and the pumps can be restarted. B&C are wrong because SI-106s and SI-120s do not get a close signal. D is correct because SI-602s are part of the Containment Isolation requirement

concet because of 0025 are part of the Containment isolation requirement.							
Cognitive Level	Tier-Group	RO	SRO	Question Source			
Comprehension or Analysis		2-1		New			
Ouestion History							

Examination Qu	estion Numbe	r 44				
QUESTION ID:	5979 -	STAT	US: Revi	sion	LAST USED	
	А					
DESCRIPTION:	ENI and critical	ty				
AUTHOR: 0	dvince1		REVISION	1 R	EVISION DATE	06/11/2002
APPROVAL:			APPROVAL I	DATE:		
REFERENCE VERI	FIED: dvince1		VERIFICATI	ON DATE:	06/11/2002	
TYPE: Multi	iple Choice	TIN	ME:	5 POIN	TS:	1
QUIZ ONLY:	CLOSE	D REFERENCI	E: X	OPEN	REFERENCE	
SPECIAL REFEREN	ICES:	SIMU	LATOR SETU	Р		
PLANT SYSTEM:	ENI	CATEGO	RY: PROC	CEDURE		
	PPN					
REFERENCE:	REVISION:	CHANGE:	DATE	E:		
OP-010-003	01	02	04/03/	2002		
NRC KA NUMBER:	RO	SRO	TRAINING	MATERIA	L: OBJEC	ΓIVE
3.7-015-K5.05	4.1	4.4	WLP-OPS-P	PPN01	3	

QUESTION

A reactor startup is in progress. The plant had shutdown after 50 EFPD to repair a RCP seal. The PNPO is withdrawing Regulating Group 6 to 50 inches withdrawn. After the withdrawal is completed, the PNPO determines that 3 doublings have occurred by looking at Startup Channels. As the next CEA movement is begun, when should the PNPO be expecting criticality to occur?

- A. When the Reactor Engineer determines it using the 1/M plot.
- B. When the 5th doubling occurs.
- C. At all times.
- D. When the CEAs are withdrawn to the critical rod height position.

ANSWER

C. At all times.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-1		New
Question History				

Examination Qu	estion Numb	er 45				
QUESTION ID:	5980 -	STATU	S: Revision	LAS	T USED	
	I	1				
DESCRIPTION:	ENI and Boron	Dilution Monitors				
AUTHOR:	dvince1	1	REVISION	1 REVI	SION DATE	06/11/2002
APPROVAL:		I	APPROVAL DAT	Е:		
REFERENCE VERI	FIED: dvince	1 1	VERIFICATION	DATE:	06/11/2002	
TYPE: Mult	iple Choice	TIM	E: 5	POINTS:	1	
QUIZ ONLY:	CLOSI	ED REFERENCE:	: X	OPEN RE	FERENCE	
SPECIAL REFEREN	ICES:	SIMUL	ATOR SETUP			
PLANT SYSTEM:	ENI	CATEGORY	Y: SYSTEM			
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-903-001	25	00	05/30/2002	2		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECTIVE	
3.7-015-A3.03	3.9	3.9	W-3-LP-OPS-EN	1100	4	

QUESTION

The plant has been shutdown for 8 days going into a refueling outage. The following alarms are received on CP-4, Cabinet G – RCS Boron Chnl 1 Dilution Hi and RCS Boron Chnl 2 Dilution Hi. The PNPO reports the following plant conditions:

- Reactor power is 10 x E-7% and stable.
- RCS Temperature is 150 degrees F and stable
- RCS Boron Dilution Monitor #1 process is reading 2×10^2 CPS
- RCS Boron Dilution Monitor #1 setpoint is reading 3×10^2 CPS
- RCS Boron Dilution Monitor #2 process is reading 3.8×10^2 CPS
- RCS Boron Dilution Monitor #2 setpoint is reading 5.6×10^2 CPS

Based on this information, the crew should:

- A. Declare the RCS Boron Dilution Monitors inoperable.
- B. Commence Emergency Boration.
- C. Switch the ENI Startup High Voltage Control Switches to Primary.
- D. Adjust the RCS Boron Dilution Monitors setpoints to less than or equal to 2 times process.

ANSWER

D. Adjust the RCS Boron Dilution Monitors setpoints to less than or equal to 2 times process.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Qu	estion Numb	er 46				
QUESTION ID:	5981	- STAT	US: Revisio	on LAST U	JSED	
		Α				
DESCRIPTION:	CETs and Sup	erheat				
AUTHOR: 0	dvince1		REVISION	1 REVISIO	N DATE ()6/12/2002
APPROVAL:			APPROVAL DA	ATE:		
REFERENCE VERI	FIED: dvince	el	VERIFICATIO	N DATE: 06/1	2/2002	
TYPE: Multi	iple Choice	TI	ME: 5	POINTS:	1	
QUIZ ONLY:	CLOS	ED REFERENC	E: X	OPEN REFEF	RENCE	
SPECIAL REFEREN	ICES:	SIMU	LATOR SETUP			
PLANT SYSTEM:	MCD	CATEGO	RY: SYSTE	M		
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-902-009	00	01	12/16/19	999		
OP-902-002	09	00	04/12/20	001		
NRC KA NUMBER:	RO	SRO	TRAINING M	IATERIAL:	OBJECTIVE	
3.7-017-K5.03	3.7	4.1	WLP-OPS-MC	CD03	2	

QUESTION

A Loss of Coolant Accident has occurred concurrent with a loss of power to the 3A Safety Bus. Plant conditions are as follows:

- RCS Pressure 1318 PSIA and slowly dropping
- Representative CET 581°F and slowly dropping
- RCS Tcold 568°F and slowly dropping
- Pressurizer Level 0%
- RVLMS 40% Plenum Level
- RWSP 89% and slowly dropping
- Steam Generator Level #1 58% WR and slowly dropping
- Steam Generator Level #2 59% WR and slowly dropping
- EFW flow to both Steam Generators 0 gpm
- Charging Pump B running
- HPSI flow 55 GPM per loop
- LPSI flow 0 GPM per loop
- Containment Pressure 18.5 psia and stable
- Containment temperature 238°F and stable

Assuming that all ESFAS actuations occurred as required, state which Safety Function criteria is NOT met

- A. RCS Inventory Control
- B. RCS Pressure Control
- C. Core Heat Removal
- D. RCS Heat Removal **ANSWER**

C. Core Heat Removal **COMMENTS**

Give copy of SFSC for OP-902-002 (pages 51-60), OP-902-009, Appendix 2A, 2B, and 2C, and copy of steam tables.

Note – D is the wrong choice because per Operations Expectations, SG Levels are met until EFW fails to work in automatic and start feeding at 55% WR.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Qu	estion Num	ber 47				
QUESTION ID:	5982	- STAT	US: Revis	ion LAST	USED	
		Α				
DESCRIPTION:	CFC Fans and	l Power				
AUTHOR:	dvince1		REVISION	1 REVIS	ION DATE	06/12/2002
APPROVAL:			APPROVAL D	ATE:		
REFERENCE VERI	FIED: dvine	el.	VERIFICATIO	N DATE: 00	6/12/2002	
TYPE: Mult	iple Choice	TI	ME: 5	POINTS:	1	
QUIZ ONLY:	CLO	SED REFERENC	E: X	OPEN REF	ERENCE	
SPECIAL REFEREN	NCES:	SIMU	LATOR SETUP			
PLANT SYSTEM:	CCS	CATEGO	RY: SYSTE	EM		
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-500-002	14	00	03/20/2	002		
OP-008-003	05	01	02/27/1	997		
NRC KA NUMBER:	RO	SRO	TRAINING 1	MATERIAL:	OBJECTIV	Е
3.5-022-K2.01	3.0*	3.1	WLP-OPS-CO	CS00	4	
OUESTION						

Containment Fan Coolers A, B, and C are running in Fast. An annunciator on Panel B, TRN A Cntmt Cooler Vlv Power Lost, goes into alarm. The RAB watch reports that CCS-EBKR-60A-17, Containment Cooling Train A CCW Valves, is in the trip-free position. The SNPO reports that Containment Fan Cooler A CCW Isolation Valves are indicating no power. What is the amount of Component Cooling Water to Containment Fan Cooler A?

A. 700 GPM

B. 0 GPM

C. 1400 GPM

D. 1000 GPM

ANSWER

A. 700 GPM

COMMENTS

Per CWD 1134 these valves are energized to close. The CFC Flow Control Valve controls the amount of flow to the CFCs. So with the isolation valves failed open, CFC flow is 700 GPM (normal for Fast). B is wrong because there will still be flow, C is wrong because this is the amount for Slow speed. D is wrong because there is no 1000 GPM flow for these valves. Note – Reference material OP-500-008, revision does not match because of Procedure Revision Policy that only revises the affected attachment of the Annunciator Response and not all attachments.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Q	uestion Numbe	r 48			
QUESTION ID:	5983 -	STATU	S: Revision	LAST U	SED
	А				
DESCRIPTION:	CEDM Fans and	I Interlocks			
AUTHOR:	dvince1]	REVISION	1 REVISIO	N DATE 06/12/2002
APPROVAL:		1	APPROVAL DAT	E:	
REFERENCE VERI	FIED: dvince1	•	VERIFICATION	DATE: 06/1	2/2002
TYPE: Mul	tiple Choice	TIM	E: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE:	: Х	OPEN REFER	RENCE
SPECIAL REFERE	NCES:	SIMUL	ATOR SETUP		
PLANT SYSTEM:	CCS	CATEGORY	Y: SYSTEM		
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-008-004	05	03	04/04/2002	2	
NRC KA NUMBER	RO	SRO	TRAINING MA	TERIAL:	OBJECTIVE
3.5-022-K4.04	2.8	3.1	WLP-OPS-CCS0	00	5

QUESTION

One of the automatic functions associated with the Control Element Drive Mechanism Fans is ______.

- A. Starting when the Reactor Trip Breakers are closed in.
- B. Stopping when a Containment Isolation Actuation Signal occurs.
- C. Starting when the EDG Sequencer times out its load block.
- D. Stopping when a Safety Injection Actuation Signal occurs.

ANSWER

D. Stopping when a Safety Injection Actuation Signal occurs. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-1		New
Question History				

Examination Qu	estion Numbe	r 49					
QUESTION ID:	5984 -	STAT	TUS:	Revision	LAST U	JSED	
	А						
DESCRIPTION:	Condensate and	MFW					
AUTHOR:	dvince1		REVISIO	N 1	REVISIO	ON DATE	06/12/2002
APPROVAL:			APPROV	AL DATE	2:		
REFERENCE VERI	FIED: dvince1		VERIFIC	ATION D	ATE: 06/1	12/2002	
TYPE: Mult	iple Choice	TI	ME:	5	POINTS:	1	
QUIZ ONLY:	CLOSE	D REFERENC	E:	Х	OPEN REFEI	RENCE	
SPECIAL REFEREN	NCES:	SIMU	LATOR SE	TUP			
PLANT SYSTEM:	CD	CATEGO	RY: P	ROCEDU	RE		
REFERENCE:	REVISION:	CHANGE:	D	ATE:			
OP-902-008	12	00	04	4/12/2001			
NRC KA NUMBER:	RO	SRO	TRAIN	ING MAT	FERIAL:	OBJECTIVE	, r
3.4-056-K1.03	2.6*	2.6	WLP-O	PS-CD00		7	
			WLP-O	PS-PPE08		9	

QUESTION

A Station Blackout concurrent with a loss of Emergency Feedwater Pump AB has occurred. Steam Generator levels are approaching 55% WR when the 6.9KV Bus 1A is re-energized. The CRS directs restoring SG Inventory. Given current plant conditions, how will this be accomplished?

- A. Restore available feedwater path and use Auxiliary Feedwater Pump.
- B. Depressurize one Steam Generator to less than 500 psia and use Condensate Pump A.
- C. Verify Main Feedwater Pump A DC Oil Pump running and use Main Feedwater Pump A.
- D. Initiate Emergency Feedwater Actuation Signal #1 and use Emergency Feedwater Pump A.

ANSWER

 B. Depressurize one Steam Generator to less than 500 psia and use Condensate Pump A.

COMMENTS

Per OP-902-008, HR-2, step 40 (page 190). A is wrong because AFW pump is powered by the 1B bus. C is wrong because the MFWP cannot be restarted without the 2A bus. D is wrong because EFW A is powered by the 3A bus.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Qu	estion Numl	ber 50					
QUESTION ID:	5985	- STA	TUS:	Revision		LAST USED	
		Α					
DESCRIPTION:	CD Pump A V	alve and CWD					
AUTHOR:	dvince1		REVIS	ION	1 l	REVISION DATE	06/12/2002
APPROVAL:			APPRO	OVAL DAT	E:		
REFERENCE VERI	FIED: dvinc	e1	VERIF	ICATION	DATE	06/12/2002	
TYPE: Mult	iple Choice	Т	IME:	5	POI	NTS:	1
QUIZ ONLY:	CLOS	SED REFEREN	CE:	Х	OPE	N REFERENCE	
SPECIAL REFEREN	NCES:	X SIM	ULATOR	SETUP			
PLANT SYSTEM:	CWD	CATEG	ORY:	ADMIN			
REFERENCE:	REVISION:	CHANGE:		DATE:			
NRC KA NUMBER:	RO	SRO	TRA	INING MA	TERL	AL: OBJEC	TIVE
2-1-24	2.8	3.1	W-3-	LP-OPS-C	WD00	5	

QUESTION

Using CWD 1372, determine which ONE of the following is FALSE concerning the Condensate Pump A Discharge Valve.

- A. The limit switch contact "b%" is open until the valve is greater than 20% open.
- B. The annunciator panel referenced for this CWD is Panel F.
- C. This valve can only be opened and closed locally.
- D. The valve number is CD-144A.

ANSWER

A. The limit switch contact "b%" is open until the valve is greater than 20% open.

COMMENTS

Provide CWD 1372 as a reference.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Qu	estion Numb	er 51				
QUESTION ID:	5986 -	- STATUS	Revision	LAST	USED	
		A				
DESCRIPTION:	MFW Pump Tr	rips				
AUTHOR:	dvince1	R	EVISION	I REVISI	ON DATE	06/12/2002
APPROVAL:		Α	PPROVAL DAT	Е:		
REFERENCE VERI	FIED: dvince	1 V	ERIFICATION	DATE: 06	/12/2002	
TYPE: Mult	iple Choice	TIME	5	POINTS:	1	
QUIZ ONLY:	CLOS	ED REFERENCE:	Х	OPEN REFI	ERENCE	
SPECIAL REFEREN	NCES:	SIMULA	TOR SETUP			
PLANT SYSTEM:	FWP	CATEGORY	SYSTEM			
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-003-033	00	02	01/08/2002	!		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECTIVE	
3.4-059-K4.16	3.1*	3.2*	W-3-LP-OPS-FW	/P00	6	

QUESTION

The plant has downpowered to 45% for repairs to Heater Drain Pumps. Condensate Pump C has been secured for tagging. The crew is briefing securing Main Feedwater Pump A. Condensate Pump B trips. What is the status of the Main Feedwater Pumps? (Assume Feedwater Suction Pressure is adequate.)

- A. Both Main Feedwater Pumps are tripped.
- B. Main Feedwater Pump B is tripped.
- C. Main Feedwater Pump A is tripped.
- D. Both Main Feedwater Pumps are running.

ANSWER

D. Both Main Feedwater Pumps are running. **COMMENTS**

This trip is only active when <39% Power.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Que	stion Numbe	r 52			
QUESTION ID:	5987 -	STATUS	: Revision	LAST US	SED
	Α				
DESCRIPTION:	FW Pumps and I	Power Levels			
AUTHOR: dv	ince1	R	EVISION	REVISION	N DATE 06/12/2002
APPROVAL:		A	PPROVAL DAT	E:	
REFERENCE VERIFI	ED: dvince1	V	ERIFICATION I	DATE: 06/12	2/2002
TYPE: Multipl	e Choice	TIME	: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE:	Х	OPEN REFER	ENCE
SPECIAL REFERENC	ES:	SIMULA	TOR SETUP		
PLANT SYSTEM:	FWP	CATEGORY	: SYSTEM		
REFERENCE: I	REVISION:	CHANGE:	DATE:		
OP-010-003 0	01	02	04/03/2002	2	
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECTIVE
3.4-059-A1.03	2.7*	2.9*	WLP-OPS-PPN0	1	3

QUESTION

The plant is starting up and has now reached 1% power. Based on this power level, which ONE of the following would be the next action taken by the crew?

- A. Complete Critical Data Logsheet.
- B. Manually remove High Log Power Level Trip Bypasses.
- C. Start a Main Feedwater Pump.
- D. Place COLSS in service.

ANSWER

C. Start a Main Feedwater Pump. **COMMENTS**

Note – critical data taken at 5 E-4%, High Log Power Level Trip is bypassed at 0.257%, and COLSS is placed in service at 15%.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Qu	estion Numb	er 53				
QUESTION ID:	5988 -	STAT	'US: Revi	sion	LAST USED	
	1	۱				
DESCRIPTION:	EFW and inven	tory				
AUTHOR:	dvince1		REVISION	1	REVISION DATE	06/12/2002
APPROVAL:			APPROVAL I	DATE:		
REFERENCE VERI	FIED: dvince	1	VERIFICATI	ON DATE	E: 06/12/2002	
TYPE: Mult	iple Choice	TI	ME:	5 POI	INTS:	1
QUIZ ONLY:	CLOS	ED REFERENC	E: X	OPE	EN REFERENCE	
SPECIAL REFEREN	ICES:	SIMU	LATOR SETU	Р		
PLANT SYSTEM:	EFW	CATEGO	RY: PROC	CEDURE		
REFERENCE:	REVISION:	CHANGE:	DATH	E:		
OP-902-006	09	00	04/12/	2001		
OP-902-009	01	00	12/16/	1999		
NRC KA NUMBER:	RO	SRO	TRAINING	MATER	IAL: OBJEC	CTIVE
3.4-061-K1.07	3.6	3.8	WLP-OPS-E	EFW00	5	

QUESTION

The crew has diagnosed to OP-902-006, Loss of Main Feedwater Recovery. All Emergency Feedwater Pumps actuated as required. Steam Generator levels are being maintained 50-70% Narrow Range using EFW in manual. While performing Safety Function Status Checks, the STA notes that the Condensate Storage Pool is 14% level. What action should the crew take for this information?

- A. Start the Auxiliary Feedwater Pump to supply feedwater.
- B. Ensure EFW in automatic and allow level to control at 68-71% Wide Range.
- C. Align one train of ACCW to the suction of the EFW pumps.
- D. Verify Condensate Storage Pool automatic makeup is functioning correctly.

ANSWER

C. Align one train of ACCW to the suction of the EFW pumps. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Qu	estion Numb	er 54						
QUESTION ID:	5989	- STA	TUS:	Revision		LAST US	SED	
		A						
DESCRIPTION:	Loss of EFW I	Pumps & TS						
AUTHOR:	dvince1		REVIS	ION	1	REVISION	DATE	06/12/2002
APPROVAL:			APPRO	OVAL DAT	E:			
REFERENCE VERI	FIED: dvinc	e1	VERIF	ICATION	DATE	: 06/12	/2002	
TYPE: Mult	iple Choice	Т	IME:	5	POI	NTS:		1
QUIZ ONLY:	CLOS	ED REFEREN	CE:	Х	OPE	N REFERI	ENCE	
SPECIAL REFEREN	NCES:	X SIM	ULATOR	SETUP				
PLANT SYSTEM:	EFW	CATEG	ORY:	ADMIN				
REFERENCE:	REVISION:	CHANGE:		DATE:				
NRC KA NUMBER:	RO	SRO	TRA	INING MA	TERL	AL:	OBJECT	IVE
3.4-061-K6.02	2.6	2.7	WLP	-OPS-EFW	00		9	

QUESTION

The plant is at 100% power. Emergency Feedwater Pump A is tagged out for maintenance. An overcurrent relay on Emergency Feedwater Pump B trips causing the pump to be inoperable. Based on this, which action should be taken?

- A. Enter TS 3.7.1.2d
- B. Enter TS 3.7.1.2e
- C. Enter TS 3.7.1.2f
- D. Enter TS 3.0.3

ANSWER

A. Enter TS 3.7.1.2d **COMMENTS**

Provide copy of TS 3.7.1.2

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Qu	estion Numbe	r 55			
QUESTION ID:	5990 -	STATU	S: Revision	LAST USED	
	Α				
DESCRIPTION:	LWM and Waste	e Gas Vent Header			
AUTHOR: d	lvince1	F	REVISION	REVISION DATE	06/12/2002
APPROVAL:		A	APPROVAL DAT	E:	
REFERENCE VERI	FIED: dvince1	V	ERIFICATION	DATE: 06/12/2002	
TYPE: Multi	ple Choice	TIMI	E: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE:	Х	OPEN REFERENCE	
SPECIAL REFEREN	CES:	SIMULA	ATOR SETUP		
PLANT SYSTEM:	GWM	CATEGORY	C: SYSTEM		
	LWM				
REFERENCE:	REVISION:	CHANGE:	DATE:		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL: OBJEC	TIVE
3.9-068-K1.02	2.5	2.6	W-3-LP-OPS-LW	VM00 3	

QUESTION

The Liquid Waste Management System interfaces with the Gaseous Waste Management System via the

- A. Gas Surge Header
- B. Gas Analyzer
- C. Vent Gas Collection Header
- D. Gas Surge Tank

ANSWER

C. Vent Gas Collection Header **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-1		New
Question History				

Examination Qu	estion Numbe	er 56				
QUESTION ID:	5991 -	STA	TUS: Rev	ision L	AST USED	
	A					
DESCRIPTION:	GWM and Vent	ilation				
AUTHOR:	dvince1		REVISION	1 RE	VISION DATE	06/12/2002
APPROVAL:			APPROVAL	DATE:		
REFERENCE VERI	FIED: dvince	l	VERIFICAT	ION DATE:	06/12/2002	
TYPE: Mult	iple Choice	T	ME:	5 POINT	S:	1
QUIZ ONLY:	CLOSE	D REFERENC	CE: X	OPEN I	REFERENCE	
SPECIAL REFEREN	NCES:	SIMU	JLATOR SETU	Р		
PLANT SYSTEM:	GWM	CATEGO	DRY: SYS	ГЕМ		
REFERENCE:	REVISION:	CHANGE:	DAT	E:		
NRC KA NUMBER:	RO	SRO	TRAINING	G MATERIAL	: OBJECT	IVE
3.9-071-K3.04	2.7	2.9	WLP-OPS-0	GWM00	1	
			WLP-OPS-I	RMS	3	

QUESTION

The PNPO is venting the Volume Control Tank to the Gas Surge Tank. The packing for GWM-501, Gas Surge Tank Drain Isolation, blows out. Assuming the airborne radioactivity in the RAB reaches the alarm setpoint for the Plant Stack and HVAC Duct PIG D radiation monitors, which one of the following describes the status of the RAB Ventilation Systems?

- A. CVAS Fans will be running.
- B. RAB Normal Exhaust Fan will be tripped.
- C. SBV Fans will be running.
- D. RAB Ventilation Systems will not change.

ANSWER

D. RAB Ventilation Systems will not change.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

QUESTION ID: 5992 - STATUS: Revision LAST USED A A DESCRIPTION: GWM and releases AUTHOR: dvincel REVISION 1 REVISION DATE 06/12/2002 APPROVAL: APPROVAL DATE: REFERENCE VERIFIED: dvincel VERIFICATION DATE: 06/12/2002 TYPE: Multiple Choice TIME: 5 POINTS: 1 QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE SPECIAL REFERENCES: X SIMULATOR SETUP VIENT COUNT OUTO COUNT OUTO COUNT OUTO COUNT CLOSED WEI
A DESCRIPTION: GWM and releases AUTHOR: dvincel REVISION 1 REVISION DATE 06/12/2002 APPROVAL: APPROVAL DATE: REFERENCE VERIFIED: dvincel VERIFICATION DATE: 06/12/2002 TYPE: Multiple Choice TIME: 5 POINTS: 1 QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE SPECIAL REFERENCES: X SIMULATOR SETUP UNIT OF COMMUNICATION OF COMMUNICATION DATE
DESCRIPTION: GWM and releases AUTHOR: dvincel REVISION 1 REVISION DATE 06/12/2002 APPROVAL: APPROVAL DATE: REFERENCE VERIFIED: dvincel VERIFICATION DATE: 06/12/2002 TYPE: Multiple Choice TIME: 5 POINTS: 1 QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE SPECIAL REFERENCES: X SIMULATOR SETUP DUAL OF CONTACT ON DATE CUMA CONTACT ON DATE 000000000000000000000000000000000000
AUTHOR: dvince1 REVISION 1 REVISION DATE 06/12/2002 APPROVAL: APPROVAL DATE: 06/12/2002 REFERENCE VERIFIED: dvince1 VERIFICATION DATE: 06/12/2002 TYPE: Multiple Choice TIME: 5 POINTS: 1 QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE SPECIAL REFERENCES: X SIMULATOR SETUP
APPROVAL: APPROVAL DATE: REFERENCE VERIFIED: dvincel VERIFICATION DATE: 06/12/2002 TYPE: Multiple Choice TIME: 5 POINTS: 1 QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE SPECIAL REFERENCES: X SIMULATOR SETUP VENTION DATE: 0.001/10 CONDUCTION DDOCEDURE 0 0
REFERENCE VERIFIED: dvince1 VERIFICATION DATE: 06/12/2002 TYPE: Multiple Choice TIME: 5 POINTS: 1 QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE SPECIAL REFERENCES: X SIMULATOR SETUP Distribution CUMM COMM COMM
TYPE: Multiple Choice TIME: 5 POINTS: 1 QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE SPECIAL REFERENCES: X SIMULATOR SETUP
QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE SPECIAL REFERENCES: X SIMULATOR SETUP
SPECIAL REFERENCES: X SIMULATOR SETUP
PLANI SYSTEM: GWM CATEGORY: PROCEDURE
REFERENCE: REVISION: CHANGE: DATE:
OP-007-003 14 00 01/11/2002
NRC KA NUMBER: RO SRO TRAINING MATERIAL: OBJECTIVE
3.9-071-A4.06 2.8 3.3 WLP-OPS-GWM00 11

QUESTION

Chemistry has sent the Gaseous Waste Release Permit to the Control Room for discharging Gas Decay Tank A. The CRS asks you to verify Meteorological Conditions are suitable for discharging the Gas Decay Tank. The PMC shows the following Meteorological Data information:

- Wind Speed is 2.5 m/s.
- Wind Direction is 50 degrees
- Delta T is 1.43 degrees C
- Air Temperature is 28.5 degrees C
- Sigma Theta is 13.9 degrees

Based upon the above information, the following is the status of the requirements to discharge the Gas Decay Tank:

- A. Avoid Batch Gaseous Releases
- B. No Meteorological Restrictions on Gaseous Releases
- C. Releases Permitted for Stability Classes A-E.
- D. No release is permitted.

ANSWER

B. No Meteorological Restrictions on Gaseous Releases **COMMENTS**

Give copy of OP-007-003, Gaseous Waste Management System, Attachment 11.5, Meteorological Conditions Requirements

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis	*	2-1		New
Question History				

Examination Qu	estion Numbe	er 58				
QUESTION ID:	5993 -	STATUS	S: Revision	LAST U	SED	
	A	1				
DESCRIPTION:	HVF and ARM					
AUTHOR: 0	lvince1	F	REVISION	1 REVISIO	N DATE	06/12/2002
APPROVAL:		A	APPROVAL DAT	'Е:		
REFERENCE VERI	FIED: dvince	1 V	ERIFICATION	DATE: 06/1	2/2002	
TYPE: Multi	ple Choice	TIMI	E: 5	POINTS:	1	
QUIZ ONLY:	CLOSE	ED REFERENCE:	Х	OPEN REFER	ENCE	
SPECIAL REFEREN	ICES: X	K SIMULA	ATOR SETUP			
PLANT SYSTEM:	ARM	CATEGORY	ADMIN			
	HVF					
REFERENCE:	REVISION:	CHANGE:	DATE:			
TRM 3.3.3						
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECTIVE	
3.7-072-K1.03	3.6*	3.7*	w-3-lp-ops-hvf00)	7	

QUESTION

I&C Maintenance wants to perform a calibration check on ARM-IRE-0300.1s, Fuel Handling Building Isolation Radiation Monitor. The other 3 FHB Isolation Radiation Monitors will be unaffected. Using the applicable sections of the Technical Requirements Manual, determine what action should be taken.

- A. No action required.
- B. Adjust Radiation Monitor Channel alarm/trip setpoint within 4 hours.
- C. Start the opposite Fuel Handling Building Emergency Filtration Train.
- D. Suspend movement of fuel within the Spent Fuel Pool.

ANSWER

A. No action required. **COMMENTS**

Provide copy of TRM 3.3.3.1 and TRM 3.9.12.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Qu	estion Numbe	r 59			
QUESTION ID:	5994 -	STAT	US: Revision	LAST USED	
	А				
DESCRIPTION:	HVC and ARM				
AUTHOR:	dvince1		REVISION	1 REVISION DA	TE 06/12/2002
APPROVAL:			APPROVAL DAT	'Е:	
REFERENCE VERI	FIED: dvince1		VERIFICATION	DATE: 06/12/2002	2
TYPE: Mult	iple Choice	TIN	1E: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE	E: X	OPEN REFERENCE	E
SPECIAL REFEREN	NCES:	SIMUI	LATOR SETUP		
PLANT SYSTEM:	ARM	CATEGOF	RY: SYSTEM		
	HVC				
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-901-401	00	01	08/06/2001	1	
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL: OBJ	ECTIVE
3.7-072-A3.01	2.9*	3.1	W-3-LP-OPS-HV	/C00 2	
			WLP-OPS-RMS	2	

QUESTION

The crew is performing OP-903-051, Control Room Emergency Filtration Unit Operability Check, for Train A. Control Room Emergency Filtration Unit A has been running for 3 hours. Maintenance is doing an inspection of CROAIs and accidently actuates ARM-IRE-0200.1, CROAI A North Radiation Monitor. Which one of the following will be TRUE about Control Room Ventilation?

- A. Control Room Emergency Filtration Unit B will be running.
- B. Control Room Normal Ventilation Fans will be tripped.
- C. Control Room Toilet Exhaust Fans will be tripped.
- D. Kitchen/Conference Room Exhaust Fan will be running.

ANSWER

C. Control Room Toilet Exhaust Fans will be tripped. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-1		New
Question History				

Examination Qu	estion Numbe	er 60			
QUESTION ID:	5995 -	STATU	JS: Revision	n LAST US	SED
	A	L			
DESCRIPTION:	RCS and TS 3.4	.1.3			
AUTHOR:	lvince1		REVISION	1 REVISIO	N DATE 06/12/2002
APPROVAL:			APPROVAL DA	ГЕ:	
REFERENCE VERI	FIED: dvince	l	VERIFICATION	DATE: 06/12	2/2002
TYPE: Multi	ple Choice	TIM	E: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE	: X	OPEN REFER	ENCE
SPECIAL REFEREN	ICES: X	SIMUL	ATOR SETUP		
PLANT SYSTEM:	RCS	CATEGOR	Y: ADMIN		
	TS				
REFERENCE:	REVISION:	CHANGE:	DATE:		
TS 3.4.1					
NRC KA NUMBER:	RO	SRO	TRAINING M	ATERIAL:	OBJECTIVE
3.4-002-K6.02	3.6	3.8	W-3-LP-OPS-R	CS00	8

QUESTION

The plant is in Mode 4. Reactor Coolant Pump 1A and SDC Train A are running. SDC Train B and RCP 2A are out of service. A Loss of Offsite Power occurs. Both Emergency Diesels start and re-energize the safety busses. SDC Train A is verified running. In relation to the Reactor Coolant System Technical Specifications, what is the applicable action for this event?

- A. Immediately initiate corrective action and be in Mode 5 within twenty-four hours.
- B. Suspend all operations involving a reduction in boron concentration.
- C. No action required for up to one hour as long as no operations causing dilution occur.
- D. Ensure Pressurizer Level is greater than 26% (900 cubic feet).

ANSWER

A. Immediately initiate corrective action and be in Mode 5 within twenty-four hours. **COMMENTS**

Provide copy of TS 3.4.1.3

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-2		New
Question History				

Examination Q	uestion Numbe	r 61			
QUESTION ID:	5996 -	STATUS	Revision	LAST US	SED
	Α				
DESCRIPTION:	ESF Bypasses				
AUTHOR:	dvince1	R	EVISION 1	REVISION	N DATE 06/12/2002
APPROVAL:		A	PPROVAL DATI	E:	
REFERENCE VERI	FIED: dvince1	V	ERIFICATION E	DATE: 06/12	2/2002
TYPE: Mult	tiple Choice	TIME	: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE:	Х	OPEN REFER	ENCE
SPECIAL REFEREN	NCES:	SIMULA	TOR SETUP		
PLANT SYSTEM:	PPS	CATEGORY	SYSTEM		
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-010-003	01	02	04/03/2002		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECTIVE
3.2-006-K4.21	4.1	4.3	WLP-OPS-PPS00)	4
3.2-006-K4.21	4.1	4.3	WLP-OPS-PPS00)	4

QUESTION

The plant is shutdown and in Mode 5. A plant heatup is commenced. Which of the following is FALSE concerning the RPS/ESFAS Pressurizer Pressure Bypass on CP-7.

- A. It is operated using a key switch.
- B. This bypass must be manually removed when RCS Pressure is greater than 500 PSIA.
- C. Can be operated from LCP-43, Remote Shutdown Panel.
- D. Cannot be enabled until Pressurizer Pressure is less than 400 PSIA.

ANSWER

B. This bypass must be manually removed when RCS Pressure is greater than 500 PSIA. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-2		New
Question History				

Examination Qu	estion Numb	er 62				
QUESTION ID:	5997 -	- STATU	JS: Revis	sion	LAST USED	
	1	4				
DESCRIPTION:	OP-901-120 an	d loss of all Pzr He	aters			
AUTHOR: d	lvince1		REVISION	1	REVISION DAT	E 06/12/2002
APPROVAL:			APPROVAL D	DATE:		
REFERENCE VERIE	FIED: dvince	1	VERIFICATIO	ON DA	TE: 06/12/2002	
TYPE: Multi	ple Choice	TIM	E: 5	F	POINTS:	1
QUIZ ONLY:	CLOS	ED REFERENCE	: X	0	PEN REFERENCE	
SPECIAL REFEREN	CES:	SIMUL	ATOR SETUP	•		
PLANT SYSTEM:	PPO	CATEGOR	Y: PROC	EDUR	E	
REFERENCE:	REVISION:	CHANGE:	DATE	:		
OP-901-120	02	02	02/23/2	2000		
NRC KA NUMBER:	RO	SRO	TRAINING	MATI	ERIAL: OBJH	ECTIVE
3.3-010-K6.03	3.2	3.6	W-3-LP-OPS	S-PPO1	0 4	

QUESTION

In the event that all Pressurizer Heaters are lost and cannot be immediately restored, OP-901-120, Pressurizer Pressure Control Malfunction, requires shifting the Pressurizer Level Setpoint Source from Reactor Regulating System (RRS) to CP-2 (RTGB). What is the purpose of this action?

- A. Ensures Pressurizer can be maintained at upper band until heaters repaired.
- B. RRS will not control Pressurizer Level correctly with all Pressurizer Heaters failed.
- C. Defeats the Pressurizer Level input into the Pressurizer Pressure Controller.
- D. Allows maintaining Pressurizer Level constant during required plant shutdown.

ANSWER

D. Allows maintaining Pressurizer Level constant during required plant shutdown. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-2		New
Question History				

Examination Qu	estion Numb	er 63				
QUESTION ID:	5998 -	STATU	US: Revis	ion	LAST USED	
	1	4				
DESCRIPTION:	Pzr Level Con	trol and Loss of Ch	arging Pumps			
AUTHOR:	dvince1		REVISION	1	REVISION DATE	2 06/12/2002
APPROVAL:			APPROVAL D	ATE:		
REFERENCE VERI	FIED: dvince	1	VERIFICATIO	DN DA'	ΓΕ: 06/12/2002	
TYPE: Mult	iple Choice	TIM	IE: 5	Р	OINTS:	1
QUIZ ONLY:	CLOS	ED REFERENCE	X: X	0	PEN REFERENCE	
SPECIAL REFEREN	NCES:	SIMUL	LATOR SETUP			
PLANT SYSTEM:	PPO	CATEGOR	Y: PROC	EDURI	Ξ	
REFERENCE:	REVISION:	CHANGE:	DATE	:		
OP-901-112	02	03	10/18/2	2001		
NRC KA NUMBER:	RO	SRO	TRAINING	MATE	RIAL: OBJEC	CTIVE
3.2-011-A2.04	3.5	3.7	W-3-LP-OPS	-PPO1) 6	

QUESTION

A large leak has occurred in the Charging Pump Discharge Header and flow cannot be established through the normal Charging Pump discharge path. The crew enters OP-901-112, Charging or Letdown Malfunction, and will restore Charging flow by aligning the Charging Header to HPSI and:

- A. Starting HPSI Pump A and aligning SI-506A, HPSI Hot Leg Injection Flow Control Valve.
- B. Starting HPSI Pump A and aligning any HPSI Cold Leg Injection Valve.
- C. Aligning SI-506A, HPSI Hot Leg Injection Flow Control Valve and starting any Charging Pump.

D. Aligning any HPSI Cold Leg Injection Valve and starting any Charging Pump. **ANSWER**

D. Aligning any HPSI Cold Leg Injection Valve and starting any Charging Pump.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-2		New
Question History				

Examination Q	uestion Numbe	er 64			
QUESTION ID:	5999 -	STAT	US: Revisio	on LAST U	SED
	Α	1			
DESCRIPTION:	RCS Inventory	in OP-902-000			
AUTHOR:	dvince1		REVISION	1 REVISIO	N DATE 06/12/2002
APPROVAL:			APPROVAL DA	TE:	
REFERENCE VERI	FIED: dvince	l	VERIFICATION	N DATE: 06/1	2/2002
TYPE: Mult	tiple Choice	TIN	1E: 5	POINTS:	1
QUIZ ONLY:	CLOSE	ED REFERENCH	E: X	OPEN REFER	RENCE
SPECIAL REFEREN	NCES:	SIMUI	LATOR SETUP		
PLANT SYSTEM:	PPE	CATEGOF	RY: PROCE	DURE	
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-902-000	09	00	02/12/20	01	
OI-038-000	01	01	08/23/20	01	
NRC KA NUMBER:	RO	SRO	TRAINING M	IATERIAL:	OBJECTIVE
2-4-1	4.3	4.6	WLP-OPS-PPE	E01	11

QUESTION

The reactor was tripped due to a lube oil emergency on RCP 1A. The crew is carrying out OP-902-000, Standard Post Trip Actions. The PNPO notes that the Reactor Regulating System Hot Leg Indicator, RC-ITI-0111X, has failed high and Pressurizer Level setpoint is high also. The PNPO reports this and that all charging pumps are running. Pressurizer level is approaching 60%. What should the crew do about this failure?

- A. Take no action until Standard Post Trip Actions are completed.
- B. Enter OP-901-110, Pressurizer Level Control Malfunction, and perform concurrently with OP-902-000.
- C. Place the Pressurizer Level Controller in manual and adjust Pressurizer Level as needed.
- D. Secure two charging pumps by placing their control switches to Off.

ANSWER

C. Place the Pressurizer Level Controller in manual and adjust Pressurizer Level as needed.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-2		New
Question History				

Examination Q	uestion Numb	er 65			
QUESTION ID:	6000	- STAT	US: Revision	LAST USI	2D
		A			
DESCRIPTION:	PPS Trips				
AUTHOR:	dvince1		REVISION	1 REVISION	DATE 06/16/2002
APPROVAL:			APPROVAL DAT	ſE:	
REFERENCE VER	IFIED: dvince	21	VERIFICATION	DATE: 06/16/2	2002
TYPE: Mu	ltiple Choice	TIN	ME: 5	POINTS:	1
QUIZ ONLY:	CLOS	ED REFERENCI	E: X	OPEN REFERE	NCE
SPECIAL REFERE	ENCES:	SIMU	LATOR SETUP		
PLANT SYSTEM:	PPS	CATEGOI	RY: SYSTEM		
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-009-007	05	01	02/08/200	1	
TS 3.3.1					
NRC KA NUMBER	R: RO	SRO	TRAINING MA	ATERIAL: (DBJECTIVE
3.7-012-A3.06	3.7	3.7	WLP-OPS-PPS0)0 9	
			WLP-OPS-TS04	l 1	

QUESTION

The plant is at 100%. CPC A LPD and DNBR bistables are in bypass for I&C Maintenance. I&C will be causing these bistables to trip and reset. While this is going on, CPC B fails and trips its LPD and DNBR bistables. What actions should the crew take as a result of this event? Assume I&C cannot restore CPC A within the next 2 hours.

- A. Bypass CPC B LPD and DNBR bistables within 1 hour.
- B. Remove CPC A bistables from bypass and bypass CPC B bistables within 1 hour.
- C. Perform a warm restart of CPC B within 1 hour.
- D. Place CPC B LPD and DNBR bistables in trip within 1 hour.

ANSWER

D. Place CPC B LPD and DNBR bistables in trip within 1 hour. **COMMENTS**

Provide copy of TS 3.3.1. Based upon actual event in plant.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehensive or Analysis		2-2		New
Question History				

Examination Qu	estion Numb	er 66				
QUESTION ID:	6001 .	- STAT	US: Revis	ion L	AST USED	
		A				
DESCRIPTION:	Rod Bottom Li	ghts & Immediate	Operator Actions	5		
AUTHOR: d	lvince1		REVISION	1 RE	VISION DATE	06/16/2002
APPROVAL:			APPROVAL D	ATE:		
REFERENCE VERI	FIED: dvince	-1	VERIFICATIO	ON DATE:	06/16/2002	
TYPE: Multi	ple Choice	TIN	ME: 5	POINTS	S: 1	
QUIZ ONLY:	CLOS	ED REFERENC	E: X	OPEN F	REFERENCE	
SPECIAL REFEREN	CES:	SIMU	LATOR SETUP			
PLANT SYSTEM:	CED	CATEGO	RY: SYSTE	EM		
REFERENCE:	REVISION:	CHANGE:	DATE	:		
NRC KA NUMBER:	RO	SRO	TRAINING	MATERIAL	: OBJECTIV	VЕ
3.1-014-K4.03	3.2	3.4	W-3-LP-OPS	-CED00	17	

QUESTION

The plant is at 100% power when CEA #1 drops into the core. The crew enters OP-901-102, CEDMCS or CEA Malfunction, and are performing a downpower brief. After the brief is completed, the PNPO notes that CEA #2 rod bottom light is now illuminated and CEA #2 is indicating zero inches on CP-2 but the Lower Electrical Limit is not illuminated. A lamp test verifies LEL is functioning. The CEAC CRT for CEAC #1 on CP-2 shows CEA #2 inserted with a dotted line. Based on this information the crew should:

- A. Continue the downpower.
- B. Trip the reactor.
- C. Evaluate Technical Specification 3.1.3.2, CEA Position Indicating Channels.
- D. Enter OP-901-102, subsection E5, CEA Position Indication Malfunction, and perform concurrently.

ANSWER

B. Trip the reactor.

COMMENTS

The rod bottom light comes off a different set of switches than the RSPT. Also, it resets the pulse counters.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-2		New
Question History				

Examination Q	uestion Numbe	r 67				
QUESTION ID:	3475 -	STATU	S: Approved	d LAST	USED	
	Α	L.				
DESCRIPTION:	T-Cold failed lo	W				
AUTHOR:	NRC	I	REVISION	0 REVISI	ON DATE	01/06/1995
APPROVAL:	tbrown	A	APPROVAL DAT	E: 01/	/11/1995	
REFERENCE VER	IFIED: dvince1	, I	VERIFICATION I	DATE: 06/	/16/2002	
TYPE: Mul	tiple Choice	TIM	E: 5	POINTS:	1	
QUIZ ONLY:	CLOSE	D REFERENCE:	X	OPEN REFE	RENCE	Х
SPECIAL REFERE	NCES:	SIMUL	ATOR SETUP			
PLANT SYSTEM:	RR	CATEGORY	Y: SYSTEM			
REFERENCE:	REVISION:	CHANGE:	DATE:			
NRC KA NUMBER	: RO	SRO	TRAINING MA	TERIAL:	OBJECTIVE	
3.7-016-A2.01	3.0*	3.1*	W-3-LP-OPS-RR	200	5	

QUESTION

The following conditions exist:

The plant is at 100% power

The selected control channel T-Cold fails LOW

Select the correct response of calculated Delta-T power as a result of this failure.

- A. Tavg lowers, Delta-T power lowers.
- B. Tavg increases, Delta-T power rises.
- C. Tavg lowers, Delta-T power rises.
- D. Tavg rises, Delta-T power lowers.

ANSWER

C. Tavg lowers, Delta T rises.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-2		Bank
Question History				

Examination Qu	estion Numb	er 68				
QUESTION ID:	6002 -	STAT	US: Revi	sion	LAST USED	
	1	۹				
DESCRIPTION:	Containment Sp	oray & Containme	ent Sump Level			
AUTHOR:	dvince1		REVISION	1	REVISION DATE	06/16/2002
APPROVAL:			APPROVAL I	DATE:		
REFERENCE VERI	FIED: dvince	1	VERIFICATI	ON DA'	TE: 06/16/2002	
TYPE: Mult	iple Choice	TIM	ME:	5 P	OINTS:	1
QUIZ ONLY:	CLOS	ED REFERENCI	E: X	0	PEN REFERENCE	
SPECIAL REFEREN	VCES:	SIMU	LATOR SETUI	P		
PLANT SYSTEM:	CS	CATEGO	RY: SYST	ΈM		
REFERENCE:	REVISION:	CHANGE:	DATE	2:		
NRC KA NUMBER:	RO	SRO	TRAINING	МАТЕ	RIAL: OBJEC	CTIVE
3.5-026-A1.03	3.5	3.5	WLP-OPS-C	CS00	1	

QUESTION

Which ONE of the following ensures adequate suction for the Containment Spray Pumps following a Recirculation Actuation Signal (RAS)?

- A. Trisodium Phosphate Dodecahydrate baskets in Containment Sump.
- B. Open throat nozzles in Containment Discharge line.
- C. Mesh screens in Containment Sump.
- D. Shutdown Cooling Heat Exchanger.

ANSWER

C. Mesh screens in Containment Sump.

Cognitive Level	Tier-Group	RO	SRO	Question Source		
Memory or Fundamental Knowledge		2-2		New		
Question History						
Examination Qu	estion Numbe	r 69				
-----------------------	------------------	-----------------	----------------	----------	------------	------------
QUESTION ID:	4118 -	STATU	S: Approved	d LAS	T USED	
	А					
DESCRIPTION:	Auto closure of	CAP-101 (NRC SF	RO EXAM 95)			
AUTHOR:	NRC		REVISION (0 REVIS	SION DATE	01/15/1996
APPROVAL:	tbrown	1	APPROVAL DAT	E: ()2/07/1996	
REFERENCE VERI	FIED: dvince1	•	VERIFICATION I	DATE: ()6/16/2002	
TYPE: Mult	iple Choice	TIM	E: 5	POINTS:	1	
QUIZ ONLY:	CLOSE	D REFERENCE:	X	OPEN REI	FERENCE	Х
SPECIAL REFEREN	NCES:	SIMUL	ATOR SETUP			
PLANT SYSTEM:	HVR	CATEGORY	Y: SYSTEM			
REFERENCE:	REVISION:	CHANGE:	DATE:			
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECTIV	Έ
3.8-029-K4.03	3.2	3.5	W-3-LP-OPS-HV	/R00	1	

QUESTION

Given the following:

- The plant is at 100% power
- A containment purge is in progress per OP-002-010, "RAB HVAC and Containment Purge"
- RAB Vent Mode selector switch is in "Containment Purge"

WHICH ONE (1) of the following will AUTOMATICALLY close containment air purge (CAP) inlet damper CAP-101?

- A. CAP Exhaust valves CAP-203, 204, and 205 reach greater than 52° OPEN
- B. A Hi (ALERT) alarm actuates on ARM-IRI-5024S (Containment Purge Isolation Area Rad Monitor)
- C. Containment pressure is at -6.0 inches water below atmospheric
- D. RAB normal exhaust flow decreases to 62,000 scfm

ANSWER

D. RAB normal exhaust flow decreases to 62,000 scfm **COMMENTS**

Used on 1995 NRC SRO Exam.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-2		Bank
Question History				

Examination Qu	estion Numbe	r 70			
QUESTION ID:	6003 -	STATU	US: Revision	n LAST US	ED
	А				
DESCRIPTION:	Spent Fuel Pool	Cooling			
AUTHOR: 0	lvince1		REVISION	1 REVISION	DATE 06/16/2002
APPROVAL:			APPROVAL DA	ГЕ:	
REFERENCE VERI	FIED: dvince1		VERIFICATION	DATE: 06/16	/2002
TYPE: Multi	ple Choice	TIM	IE: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE	: X	OPEN REFERE	INCE
SPECIAL REFEREN	ICES:	SIMUL	ATOR SETUP		
PLANT SYSTEM:	FS	CATEGOR	Y: PROCEE	URE	
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-002-006	15	06	04/13/200	02	
OP-901-513	02	00	06/02/199	98	
NRC KA NUMBER:	RO	SRO	TRAINING M	ATERIAL:	OBJECTIVE
3.8-033-K3.03	3	3.3	W-3-LP-OPS-F	S00	4

QUESTION

The Spent Fuel Pool is on Purification and Spent Fuel Pool Pump A is running. A leak occurs in the Fuel Pool Purification Pump suction line. If no action is taken, all of the following will occur due to the leak EXCEPT?

- A. Rising Spent Fuel Pool Temperature
- B. Spent Fuel Pool Pump A trip
- C. Uncovery of Spent Fuel Bundles
- D. Fuel Pool Purification Pump trip

ANSWER

C. Uncovery of Spent Fuel Bundles **COMMENTS**

Siphon breakers prevent uncovery of spent fuel bundles

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-2		New
Question History				

Examination Qu	estion Numb	er 71				
QUESTION ID:	6004 -	STAT	ГUS: Re	vision	LAST USED	
	A	4				
DESCRIPTION:	SG & ESF					
AUTHOR:	dvince1		REVISION	1	REVISION DATE	06/16/2002
APPROVAL:			APPROVAI	DATE:		
REFERENCE VERI	FIED: dvince	1	VERIFICAT	FION DAT	TE: 06/16/2002	
TYPE: Multi	iple Choice	TI	ME:	5 PC	DINTS:	1
QUIZ ONLY:	CLOSI	ED REFERENC	E: X	OF	PEN REFERENCE	
SPECIAL REFEREN	ICES:	SIMU	LATOR SET	UP		
PLANT SYSTEM:	EFW	CATEGO	RY: SYS	STEM		
	SG					
REFERENCE:	REVISION:	CHANGE:	DAT	ſE:		
NRC KA NUMBER:	RO	SRO	TRAININ	G MATE	RIAL: OBJECT	TIVE
3.4-035-K1.14	3.9	4.1	WLP-OPS	-EFW00	2	

QUESTION

The plant has been tripped due to a loss of both Main Feedwater Pumps. Emergency Feedwater Actuation Signals 1 and 2 have actuated. Currently, both Steam Generators are 25% Narrow Range and dropping slowly. If Steam Generator #1's Wide Range level indication on the A side was to fail to 50% WR, which ONE of the following describes the EFW Flow Control Valve Train A alignment to SG #1?

- A. EFW Flow Control Valve would open to maintain 200 GPM.
- B. EFW Flow Control Valve would open to maintain 400 GPM.
- C. EFW Flow Control Valve would open fully.
- D. EFW Flow Control Valve would not open.

ANSWER

A. EFW Flow Control Valve would open to maintain 200 GPM. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-2		New
Question History				

Examination Qu	estion Numbe	er 72				
QUESTION ID:	6005 -	STAT	'US: Re	vision	LAST USED	
	A	L				
DESCRIPTION:	SG & Tube Rup	ture				
AUTHOR: d	lvince1		REVISION	1	REVISION DATE	06/16/2002
APPROVAL:			APPROVAL	DATE:		
REFERENCE VERI	FIED: dvince		VERIFICAT	ION DATE	: 06/16/2002	
TYPE: Multi	iple Choice	TI	ME:	5 POI	NTS:	1
QUIZ ONLY:	CLOSE	D REFERENC	E: X	OPE	N REFERENCE	
SPECIAL REFEREN	ICES:	SIMU	LATOR SETU	JP		
PLANT SYSTEM:	SG	CATEGO	RY: PRC	CEDURE		
REFERENCE:	REVISION:	CHANGE:	DAT	E:		
OI-038-000	01	01	08/2	3/2001		
OP-902-007	10	00	04/12	2/2001		
NRC KA NUMBER:	RO	SRO	TRAININ	G MATERI	AL: OBJEC	TIVE
3.4-035-A4.06	4.5	4.6	WLP-OPS-	PPE07	8	

QUESTION

A Steam Generator Tube Rupture with a concurrent loss of offsite power has occurred. Following the rapid cooldown to 520° F Thot, which ONE of the following actions dealing with the isolation step is TRUE?

- A. Isolate the affected Steam Generator by initiating Main Steam Isolation Signal.
- B. If both Steam Generators have activity, isolate the one with the highest Wide Range level.
- C. Although Blowdown valves fail close on a loss of power, the switches should be aligned to close.
- D. The Atmospheric Dump Valve should be placed in manual and closed.

ANSWER

C. Although Blowdown valves fail close on a loss of power, the switches should be aligned to close.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-2		New
Question History				

Examination Qu	estion Num	ber 73					
QUESTION ID:	6006	-	STATUS:	Revision	. 1	LAST USED	
		Α					
DESCRIPTION:	Malfunctioni	ng ADV					
AUTHOR:	dvince1		REVI	SION	1 R	EVISION DATE	06/16/2002
APPROVAL:			APPR	OVAL DAT	'Е:		
REFERENCE VERI	FIED: dvin	ce1	VERI	FICATION	DATE:	06/16/2002	
TYPE: Mult	iple Choice		TIME:	5	POIN	ГS:	1
QUIZ ONLY:	CLC	OSED REFE	RENCE:	Х	OPEN	REFERENCE	
SPECIAL REFEREN	NCES:		SIMULATOR	R SETUP			
PLANT SYSTEM:	MS	CA	TEGORY:				
REFERENCE:	REVISION:	CHAN	GE:	DATE:			
NRC KA NUMBER:	RO	SRO	TRA	AINING MA	TERIA	L: OBJECT	ГIVE
3.4-039-A2.04	3.4	3.7	W-3	-LP-OPS-M	S00	4	

QUESTION

A controller failure causes Atmospheric Dump Valve #2 to open fully. The operators begin running back the Main Turbine to compensate for the failure. What amount of power should the operators expect to remove?

- A. 2.5%
- B. 5.0%
- C. 7.5%
- D. 10%

ANSWER

B. 5.0%COMMENTS

A rewrite of question # 273B

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-2		Modified Bank
Question History				

Examination Qu	estion Numb	er 74				
QUESTION ID:	6007	- STAT	US: Revis	sion LAST	USED	
		Α				
DESCRIPTION:	Offsite Power	sources				
AUTHOR:	dvince1		REVISION	1 REVIS	ION DATE	06/16/2002
APPROVAL:			APPROVAL D	ATE:		
REFERENCE VERI	FIED: dvinc	el	VERIFICATIO	ON DATE: 00	6/16/2002	
TYPE: Mult	iple Choice	TI	ME: 5	POINTS:	1	
QUIZ ONLY:	CLOS	ED REFERENC	E: X	OPEN REF	ERENCE	
SPECIAL REFEREN	NCES:	X SIMU	LATOR SETUP	•		
PLANT SYSTEM:	ED	CATEGO	RY: ADMI	N		
	TS					
REFERENCE:	REVISION:	CHANGE:	DATE	:		
TS 3.8.1						
NRC KA NUMBER:	RO	SRO	TRAINING	MATERIAL:	OBJECTIVE	
3.6-062-K1.04	3.7	4.2	WLP-OPS-T	S04	1	

QUESTION

The plant is at 50% power. Startup Transformer A is tagged out for repair. Technical Specification 3.8.1.1a has been entered and the OP-903-066, Electrical Breaker Alignment Check, was completed 2 hours ago. While this is being worked on, the EDG System Engineer calls and states that the last surveillance run on EDG B showed that the air receivers did not function as required. The System Engineer states that EDG B should be considered inoperable. The SM declares EDG B inoperable. Based on this information, what action should be taken?

- A. Run EDG A within 8 hours.
- B. Restore Startup Transformer to operability within 12 hours.
- C. Be in Hot Standby in the next 2 hours.
- D. Restore EDG B to operability within 72 hours.

ANSWER

B. Restore Startup Transformer to operability within 12 hours. **COMMENTS**

Give a copy of TS 3.8.1.1.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-2		New
Question History				

QUESTION ID: 6008 - STATUS: Revision LAST USED A A A A B AUTHOR: dvincel REVISION 1 REVISION DATE 06/16/20	~~
A DESCRIPTION: Loss of DC Battery AB AUTHOR: dvincel REVISION 1 REVISION DATE 06/16/20	^ ^
DESCRIPTION: Loss of DC Battery AB AUTHOR: dvincel REVISION 1 REVISION DATE 06/16/20	
AUTHOR: dvince1 REVISION 1 REVISION DATE 06/16/20	0.0
	02
APPROVAL: APPROVAL DATE:	
REFERENCE VERIFIED: dvince1 VERIFICATION DATE: 06/16/2002	
TYPE:Multiple ChoiceTIME:5POINTS:1	
QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE	
SPECIAL REFERENCES: SIMULATOR SETUP	
PLANT SYSTEM: DC CATEGORY: SYSTEM	
REFERENCE: REVISION: CHANGE: DATE:	
OP-901-313 01 04 06/14/2001	
NRC KA NUMBER: RO SRO TRAINING MATERIAL: OBJECTIVE	
3.6-063-K2.01 2.9* 3.1* W-3-LP-OPS-PPO30 4	

QUESTION

A loss of Battery AB bus will cause all of the following EXCEPT?

- A. CCW Pump AB cannot be started nor aligned to replace CCW Pump A.
- B. If EFW AB Pump is running, it will roll to a stop due to steam isolations failing closed.
- C. If EFW AB Pump is running it will overspeed due to failure of governor valve.
- D. Manual control of the 31 AB Bus breakers is lost.

ANSWER

B. If EFW AB Pump is running, it will roll to a stop due to steam isolations failing closed.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-2		New
Question History				

Examination Qu	estion Numbe	r 76				
QUESTION ID:	6009 -	STATUS	: Revision	LAS	ST USED	
	А	L.				
DESCRIPTION:	EDG Automatic	Starts				
AUTHOR:	dvince1	R	EVISION	1 REV	SION DATE	06/16/2002
APPROVAL:		Α	PPROVAL DAT	Е:		
REFERENCE VERI	FIED: dvince1	V	ERIFICATION I	DATE:	06/16/2002	
TYPE: Mult	iple Choice	TIME	: 5	POINTS:		1
QUIZ ONLY:	CLOSE	D REFERENCE:	Х	OPEN RE	FERENCE	
SPECIAL REFEREN	NCES:	SIMULA	TOR SETUP			
PLANT SYSTEM:	EDG	CATEGORY	: SYSTEM			
REFERENCE:	REVISION:	CHANGE:	DATE:			
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECT	IVE
3.0-004-A3.01	4.1	4	W-3-LP-OPS-ED	JG00	2	

QUESTION

Which ONE of the following is TRUE about the Emergency Diesel Generator 'A' Air Compressors?

- A. Both are required to be operable to maintain the EDG operable.
- B. Both are powered from the non-safety side of their respective MCCs.
- C. Both automatically start on a SIAS or Undervoltage signal.
- D. Both have receivers that contain enough air for five EDG starts each.

ANSWER

D. Both have receivers that contain enough air for five EDG starts each. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-2		New
Question History				

Examination Qu	estion Numbe	er 77			
QUESTION ID:	1996 -	STATUS	S: Approved	LAST USED	
	A	1			
DESCRIPTION:	Auto actions on	high alarm CW Rad	d. Monitor		
AUTHOR:	ГРМ	R	REVISION () REVISION DA	TE 08/05/1991
APPROVAL: r	fletch	А	PPROVAL DAT	E: 11/25/199'	7
REFERENCE VERI	FIED: dvince	1 V	ERIFICATION	DATE: 06/17/2002	2
TYPE: MUL	TIPLE CHOICE	TIME	2	POINTS:	1
QUIZ ONLY:	CLOSI	ED REFERENCE:	Х	OPEN REFERENCI	E X
SPECIAL REFEREN	ICES:	SIMULA	TOR SETUP		
PLANT SYSTEM:	BD	CATEGORY	SYSTEM		
	RMS				
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-003-010	16	02	08/21/2001		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL: OBJ	ECTIVE
3.7-073-K4.01	4	4.3	W-3-LP-OPS-BD	2 000	

QUESTION

While discharging Blowdown to Circ Water, the Blowdown Radiation Monitor Alarms (high) with the Activity reading continuing to rise slowly. Five minutes later the Circ Water Radiation Monitors Alarms. Which of the following best describes the automatic action, which should have occurred.

- A. BD-303, Blowdown to Circ Water and Metal Waste Pond Isolation valve, auto closes when the BLOWDOWN Radiation Monitor High Alarm is received.
- B. BD-303, Blowdown to Circ Water and Metal Waste Pond Isolation Valve, auto closes when the CIRC Water Radiation Monitor High Alarm is received.
- C. BD-303, Blowdown to Circ Water and Metal Waste Pond Isolation Valve, auto closes with HIGH CIRC Water Radiation providing the operator places the key switch to close position.
- D. BD-303 Blowdown to Circ Water and Metal Waste Pond Isolation Valve, auto closes when the Circ Water Radiation ALERT Alarm is received.

ANSWER

B. BD-303, Blowdown to Circ Water and Metal Waste Pond Isolation Valve, auto closes when the CIRC Water Radiation Monitor High Alarm is received.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-2		Bank
Question History				

Examination Qu	estion Numb	er 78				
QUESTION ID:	6010 -	- STATU	S: Revision	n L	AST USED	
	1	4				
DESCRIPTION:	CW Pumps Sta	rt limitations				
AUTHOR: d	vince1]	REVISION	1 RF	VISION DATE	06/17/2002
APPROVAL:		1	APPROVAL DAT	ГЕ:		
REFERENCE VERIF	TED: dvince	1	VERIFICATION	DATE:	06/17/2002	
TYPE: Multi	ple Choice	TIM	E: 5	POINT	'S:	1
QUIZ ONLY:	CLOS	ED REFERENCE:	: X	OPEN I	REFERENCE	
SPECIAL REFEREN	CES:	SIMUL	ATOR SETUP			
PLANT SYSTEM:	CW	CATEGORY	Y: PROCED	URE		
REFERENCE:	REVISION:	CHANGE:	DATE:			
OP-003-006	11	06	06/05/200	2		
NRC KA NUMBER:	RO	SRO	TRAINING MA	ATERIAL	.: OBJECTI	IVE
2-1-20	4.3	4.2	WLP-OPS-CW0	00	8	

QUESTION

The crew is starting up the Circulating Water System. The River Water Supply Pump is running. Circ Water Pump B has been started and is running normally. The CRS directs starting Circ Water Pump A and C. Which of the following describes starting these Circ Water Pumps?

- A. The River Water Supply Pump must be stopped prior to starting the second Circ Water Pump.
- B. The second Circ Water Pump will start as soon as the control switch is taken to start.
- C. The third Circ Water Pump may be started once the white Hold Light of the second Circ Water Pump extinguishes.
- D. Three Condenser Waterboxes are required to be in service prior to starting the third Circ Water Pump.

ANSWER

C. The third Circ Water Pump may be started once the white Hold Light of the second Circ Water Pump extinguishes.COMMENTS

 Cognitive Level
 Tier-Group
 RO
 SRO
 Question Source

 Memory or Fundamental Knowledge
 2-2
 New

 Question History
 2-2
 New

Examination Qu	estion Number	r 79			
QUESTION ID:	6011 -	STATU	S: Revision	LAST USED	
	Α				
DESCRIPTION:	Fire Protection a	nd Fire Doors			
AUTHOR: 0	lvince1]	REVISION	1 REVISION DATE	E 06/17/2002
APPROVAL:		1	APPROVAL DAT	Е:	
REFERENCE VERI	FIED: dvince1	•	VERIFICATION I	DATE: 06/17/2002	
TYPE: Multi	ple Choice	TIM	E: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE:	: X	OPEN REFERENCE	
SPECIAL REFEREN	ICES:	SIMUL	ATOR SETUP		
PLANT SYSTEM:	FPP	CATEGORY	Y: ADMIN		
REFERENCE:	REVISION:	CHANGE:	DATE:		
FP-001-015	17	00	05/28/2002	2	
TRM 3.7.11					
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL: OBJEC	CTIVE
3.8-086-A1.03	2.7	3.2*	W-3-LP-OPS-FP	00 5	

QUESTION

While making watchstation rounds, the RCA watch reports that Door 171, -35 RAB Access to SI Pump Room A, has a broken door latch and will not close. Based on this information, the crew should declare Door 171 inoperable and:

- A. Declare Controlled Ventilation Area System Trains A Inoperable.
- B. Establish a continuous fire watch.
- C. Verify Door 170, -35 RAB Access to SI Pump Room A, operable by testing CVAS system.

D. Log SI Pump Room A air temperatures at least once per hour. **ANSWER**

C. Verify Door 170, -35 RAB Access to SI Pump Room A, operable by testing CVAS system.

COMMENTS

Give copy of TRM 3.7.11, TS 3.7.7, and Attachment 8.4 & 8.5 of FP-001-015.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-2		New
Ouestion History				

Examination Q	uestion Numb	er 80				
QUESTION ID:	6012 -	STA	TUS: R	Revision	LAST USED	
	1	4				
DESCRIPTION:	SDC and Nil D	uctility				
AUTHOR:	dvince1		REVISION	N 1	REVISION DATE	06/17/2002
APPROVAL:			APPROVA	L DATE	:	
REFERENCE VERI	FIED: dvince	1	VERIFICA	ATION D.	ATE: 06/17/2002	
TYPE: Mult	tiple Choice	Т	IME:	5	POINTS:	1
QUIZ ONLY:	CLOS	ED REFEREN	CE: 2	X (OPEN REFERENCE	
SPECIAL REFEREN	NCES:	SIM	ULATOR SE	ГUР		
PLANT SYSTEM:	SDC	CATEG	ORY: SY	YSTEM		
	TYH		TH	HEORY		
REFERENCE:	REVISION:	CHANGE:	DA	ATE:		
NRC KA NUMBER:	RO	SRO	TRAINI	NG MAT	ERIAL: OBJEC	CTIVE
3.4-005-K5.01	2.6	2.9	W-3-LP-	OPS-SI00	1	
			WLP-OP	S-TYH10	12	

QUESTION

In Mode 5 with RCS Loops filled, the plant is protected from brittle fracture events by ensuring:

- A. Reactor Coolant Pumps all de-energized.
- B. Shutdown Cooling Suction Header Relief valves are aligned for service.
- C. Pressurizer level is less than 33% full.
- D. Steam Generator temperature is at least 100°F above the RCS Temperature.

ANSWER

B. Shutdown Cooling Suction Header Relief valves are aligned for service. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-3		New
Question History				

Examination Qu	estion Numb	er 81				
QUESTION ID:	6013	- STAT	US: Revis	ion	LAST USED	
		A				
DESCRIPTION:	Quench Tank I	Rupture disk				
AUTHOR:	dvince1		REVISION	1	REVISION DATE	06/17/2002
APPROVAL:			APPROVAL D	ATE:		
REFERENCE VERI	FIED: dvince	e1	VERIFICATIO	N DATE	: 06/17/2002	
TYPE: Mult	iple Choice	TIN	ME: 5	POL	NTS:	1
QUIZ ONLY:	CLOS	ED REFERENCI	E: X	OPE	N REFERENCE	
SPECIAL REFEREN	NCES:	SIMU	LATOR SETUP			
PLANT SYSTEM:	RCS	CATEGOI	RY: SYSTE	EM		
REFERENCE:	REVISION:	CHANGE:	DATE:			
NRC KA NUMBER:	RO	SRO	TRAINING	MATERI	AL: OBJEC	TIVE
3.5-007-K3.01	3.3	3.6	W-3-LP-OPS	RCS00	6	

QUESTION

A Steam Generator Tube Rupture has occurred. The crew is taking actions in OP-902-007, Steam Generator Tube Rupture Recovery. Due to the CIAS, _______ is aligned to the Quench Tank and could eventually result in rising containment pressure.

- A. Reactor Vessel Gasket Leak Off
- B. Pressurizer Vent System
- C. Containment Vent Header
- D. RCP Control Bleedoff

ANSWER

D. RCP Control Bleedoff **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-3		New
Question History				

Examination Qu	estion Numbe	er 82				
QUESTION ID:	4120 -	STATU	JS: Approve	d LAS	ST USED	
	Ν	I				
DESCRIPTION:	Response of CC	W pump AB and s	system with SIAS a	ind LOOP		
AUTHOR:	bmather		REVISION	1 REVI	SION DATE	06/29/1996
APPROVAL:	tbrown		APPROVAL DAT	ГE:	07/05/1996	
REFERENCE VERI	FIED: dvince	1	VERIFICATION	DATE:	06/17/2002	
TYPE: Mult	iple Choice	TIM	E: 5	POINTS:	1	
QUIZ ONLY:	CLOSE	ED REFERENCE	: X	OPEN RE	FERENCE	
SPECIAL REFEREN	NCES:	SIMUL	ATOR SETUP			
PLANT SYSTEM:	CC	CATEGOR	Y: SYSTEM			
REFERENCE:	REVISION:	CHANGE:	DATE:			
NRC KA NUMBER:	RO	SRO	TRAINING MA	ATERIAL:	OBJECTIV	E
3.8-008-A3.08	3.6*	3.7*	W-3-LP-OPS-C	C00	02, 05	

QUESTION

CCW pumps B and AB are operating. Although CCW pump AB is replacing A the AB bus is powered from the B-side. The "CCW pump A Unavailable" alarm is locked in. Which of the following describes the status of the CCW system in the event of a concurrent loss of offsite power and SIAS?

- A. CCW pumps B & AB running
- B. CCW pumps A & B running
- C. Only CCW pump B running
- D. All CCW pumps running

ANSWER

C. Only CCW pump B running

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-3		Bank
Question History				

Examination Q	uestion Num	ber 83					
QUESTION ID:	6014	- ST	ATUS:	Revision		LAST USED	
		Α					
DESCRIPTION:	H2 Recombin	ers and ignition					
AUTHOR:	dvince1		REVIS	SION	1 I	REVISION DATE	06/17/2002
APPROVAL:			APPR	OVAL DAT	Е:		
REFERENCE VER	IFIED: dvind	el.	VERII	FICATION	DATE:	06/17/2002	
TYPE: Mul	tiple Choice		TIME:	5	POI	NTS:	1
QUIZ ONLY:	CLO	SED REFERE	NCE:	Х	OPE	N REFERENCE	
SPECIAL REFERE	NCES:	SIN	AULATOR	R SETUP			
PLANT SYSTEM:	HRA	CATEO	JORY:	PROCED	URE		
REFERENCE:	REVISION:	CHANGE:		DATE:			
NRC KA NUMBER	: RO	SRO	TRA	AINING MA	TERL	AL: OBJEC	ГIVE
3.5-028-A2.02	3.5	3.9	W-3-	-LP-OPS-HI	RA00	1	

QUESTION

A Loss of Coolant Accident has occurred. The Hydrogen Analyzers were put in service and now show H2 concentration in Containment is 4%. What is the concern with this concentration?

- A. Corrosion
- B. Detonation
- C. Flammabilty
- D. Self Sustaining Reaction

ANSWER

C. Flammabilty **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-3		New
Question History				

Examination Qu	estion Number	• 84			
QUESTION ID:	6015 -	STATUS	: Revision	LAST USED	
	Α				
DESCRIPTION:	SBCS & RCS				
AUTHOR:	lvince1	R	EVISION	REVISION DATE (06/17/2002
APPROVAL:		Α	PPROVAL DAT	E:	
REFERENCE VERI	FIED: dvince1	V	ERIFICATION I	DATE: 06/17/2002	
TYPE: Multi	ple Choice	TIME	: 5	POINTS: 1	
QUIZ ONLY:	CLOSE	D REFERENCE:	Х	OPEN REFERENCE	
SPECIAL REFEREN	ICES:	SIMULA	TOR SETUP		
PLANT SYSTEM:	SBC	CATEGORY	: SYSTEM		
REFERENCE:	REVISION:	CHANGE:	DATE:		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL: OBJECTIVE	
3.4-041-K1.05	3.5	3.6	W-3-LP-OPS-SB	C00 3	
			W-3-LP-OPS-SB	C00 4	

QUESTION

The Steam Bypass Control System Permissive Signal uses ______ as a bias to enable the system to respond quickly to plant disturbances.

- A. Pressurizer Pressure
- B. RCS Temperature
- C. Steam Flow
- D. Secondary Pressure

ANSWER

A. Pressurizer Pressure **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-3		New
Question History				

Examination Qu	estion Numbe	r 85			
QUESTION ID:	6016 -	STATU	JS: Revision	LAST USED	
	Α	L.			
DESCRIPTION:	Loading Turbin	2			
AUTHOR: d	lvince1		REVISION	1 REVISION DA	TE 06/17/2002
APPROVAL:			APPROVAL DAT	Έ:	
REFERENCE VERI	FIED: dvince		VERIFICATION	DATE: 06/17/200	2
TYPE: Multi	ple Choice	TIM	E: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE	: X	OPEN REFERENC	E
SPECIAL REFEREN	ICES: X	SIMUL	ATOR SETUP		
PLANT SYSTEM:	PPN	CATEGOR	Y: PROCED	URE	
	TUR				
REFERENCE:	REVISION:	CHANGE:	DATE:		
OP-010-004	01	01	04/16/2002	2	
NRC KA NUMBER:	RO	SRO	TRAINING MA	ATERIAL: OBJ	JECTIVE
2-1-32	3.4	3.8	W-3-LP-OPS-TU	JR00 9	

QUESTION

The plant is at 13% power. The Turbine is ready to roll. The HP Turbine 1st Stage Metal Temperature is 205 degrees F. MS Crossover Header Temperature is 250 degrees F. Governor End Bearing 1 Temperature is 115 degrees F. Using OP-010-004, Attachment 9.5, Turbine Startup, determine the acceleration rate, initial load, and hold time at initial load.

- A. 110 RPM, 58 MW and 50 minutes
- B. 180 RPM, 58 MW and 45 minutes
- C. 60 RPM, 58 MW and 55 minutes
- D. 180 RPM, 58 MW and 50 minutes

ANSWER

D. 180 RPM, 58 MW and 50 minutes **COMMENTS**

Give copy of OP-010-004, Attachment 9.5, Turbine Startup

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		2-3		New
Question History				

Examination Q	uestion Nu	mber 86					
QUESTION ID:	6017	-	STATUS:	Revision	LAST	USED	
		Α					
DESCRIPTION:	ACCW						
AUTHOR:	dvince1		REVIS	SION 1	REVIS	ION DATE	06/17/2002
APPROVAL:			APPR	OVAL DATI	E:		
REFERENCE VER	IFIED: dv	vince1	VERI	FICATION I	DATE: 0	6/17/2002	
TYPE: Mu	ltiple Choice		TIME:	5	POINTS:	1	
QUIZ ONLY:	CI	LOSED REFER	RENCE:	Х	OPEN REF	ERENCE	
SPECIAL REFERE	ENCES:		SIMULATOF	R SETUP			
PLANT SYSTEM:	ACC	CAT	EGORY:	SYSTEM			
REFERENCE:	REVISION	: CHANG	E:	DATE:			
OP-002-001	12	09		06/05/2002			
NRC KA NUMBER	k: RO	SRO	TRA	AINING MA'	TERIAL:	OBJECTIV	VE
3.4-076-A2.01	3.5*	3.7*	W-3	-LP-OPS-CC	00	3	

QUESTION

Which ONE of the following signals/interlocks will trip a running Auxiliary Component Cooling Water pump?

- A. SIAS until loaded on Sequencer
- B. Low CCW Temperature
- C. Ground on ACCW Pump Breaker
- D. Low Dry Cooling Tower Basin Level

ANSWER

C. Ground on ACCW Pump Breaker **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-3		New
Question History				

Examination (Question Nur	nber 87					
QUESTION ID:	6028	- ST	ATUS:	Revision	LAST U	JSED	
		Α					
DESCRIPTION:	Instrument	Air Dryer Pressur	e setpoint				
AUTHOR:	dvince1		REVIS	SION 1	REVISIO	N DATE	06/21/2002
APPROVAL:			APPR	OVAL DATE	E:		
REFERENCE VE	RIFIED: dvi	ncel	VERII	FICATION D	ATE: 06/2	21/2002	
TYPE: M	ultiple Choice		TIME:	5	POINTS:	1	
QUIZ ONLY:	CL	OSED REFERE	NCE:	Х	OPEN REFEI	RENCE	
SPECIAL REFER	ENCES:	SL	MULATOR	SETUP			
PLANT SYSTEM:	AIR	CATE	GORY:	SYSTEM			
REFERENCE:	REVISION:	CHANGE	:	DATE:			
OP-003-016	10	02		03/20/2002			
NRC KA NUMBE	R: RO	SRO	TRA	AINING MAT	FERIAL:	OBJECTIVE	
3.8-078-A3.01	3.1	3.2	WLI	P-OPS-AIR00		4	

QUESTION

The Instrument Air Dryers bypass at ______.

- A. 105 psig
- B. 100 psig
- C. 95 psig
- D. 90 psig

ANSWER

C. 95 psig

COMMENTS

Rewrite of question 2293A. Dave Vincent 6/20/02

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		2-3		Modified Bank
Question History				

Examination Question Number 88	
QUESTION ID: 6018 - STATUS: Re	vision LAST USED
Α	
DESCRIPTION: Conduct of Operations - NPO Responsibilities	
AUTHOR: dvincel REVISION	1 REVISION DATE 06/17/2002
APPROVAL: APPROVAL	L DATE:
REFERENCE VERIFIED: dvince1 VERIFICAT	FION DATE: 06/17/2002
TYPE: Multiple Choice TIME:	5 POINTS: 1
QUIZ ONLY: CLOSED REFERENCE: X	OPEN REFERENCE
SPECIAL REFERENCES: SIMULATOR SETU	UP
PLANT SYSTEM: PPA CATEGORY: ADI	MIN
REFERENCE: REVISION: CHANGE: DAT	ГЕ:
OP-100-001 18 02 03/2	3/2002
NRC KA NUMBER: RO SRO TRAININ	G MATERIAL: OBJECTIVE
2-1-1 3.7 3.8 WLP-OPS	-EXP00 2

QUESTION

In accordance with OP-100-001, Operations Standards and Management Expectations, the Nuclear Plant Operator has the responsibility to do all of the following EXCEPT:

- A. Authorize placement of Clearances in Mode 5 if designated by SM to do so.
- B. Manually trip the reactor if approaching an automatic trip setpoint.
- C. Take immediate actions in accordance with annunciator responses, abnormal and emergency procedures in order to return the unit to a safe condition.
- D. Take actions necessary to maintain unit parameters within Limiting Safety System Settings for normal operations.

ANSWER

B. Manually trip the reactor if approaching an automatic trip setpoint. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		3		New
Question History				

Examination Qu	estion Numbe	er 89			
QUESTION ID:	6019 -	STATU	S: Revision	LAST U	SED
	Α				
DESCRIPTION:	TS 3.0.3				
AUTHOR:	dvince1		REVISION	1 REVISIO	N DATE 06/17/2002
APPROVAL:			APPROVAL DAT	ΓE:	
REFERENCE VERI	FIED: dvince	1	VERIFICATION	DATE: 06/17	7/2002
TYPE: Mult	iple Choice	TIM	E: 5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE	: X	OPEN REFER	ENCE
SPECIAL REFEREN	NCES:	SIMUL	ATOR SETUP		
PLANT SYSTEM:	TS	CATEGOR	Y: ADMIN		
REFERENCE:	REVISION:	CHANGE:	DATE:		
TS 3.0.3					
TS 3.7.3					
TS 3.7.4					
NRC KA NUMBER:	RO	SRO	TRAINING MA	ATERIAL:	OBJECTIVE
2-1-12	2.9	4	WLP-OPS-TS02	2	6

QUESTION

Plant is at 100% power. AB Bus is aligned to the B side. A relay failure causes Dry Cooling Tower B to bypass and the crew enters TS 3.7.4a. As soon as this action is completed, CCW Pump A trips on overcurrent. The crew enters OP-901-510, Component Cooling Water Malfunction, and aligns CCW Pump AB to replace CCW Pump A. What further action should the crew take?

- A. Enter TS 3.7.3.
- B. Enter cascading Tech Specs on Train A.
- C. Enter cascading Tech Specs for Train A and Train B.
- D. Enter TS 3.0.3.

ANSWER

D. Enter TS 3.0.3. COMMENTS

Provide copies of TS 3.7.3 & 3.7.4. We do not cascade on two trains.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehensive or Analysis		3		New
Question History				

Examination Q	estion Num	iber 90					
QUESTION ID:	6020	- ST	FATUS:	Revision	I	LAST USED	
		Α					
DESCRIPTION:	Mode of Ope	eration					
AUTHOR:	dvince1		REVIS	SION	1 RI	EVISION DATE	06/17/2002
APPROVAL:			APPR	OVAL DAT	E:		
REFERENCE VERI	FIED: dvin	icel	VERI	FICATION	DATE:	06/17/2002	
TYPE: Mult	iple Choice		TIME:	5	POINT	rs:	1
QUIZ ONLY:	CLC	DSED REFERE	NCE:	Х	OPEN	REFERENCE	
SPECIAL REFEREN	NCES:	SI	MULATOF	R SETUP			
PLANT SYSTEM:	TS	CATE	GORY:	ADMIN			
REFERENCE:	REVISION:	CHANGE	:	DATE:			
NRC KA NUMBER:	RO	SRO	TRA	AINING MA	TERIA	L: OBJECT	FIVE
2-1-22	2.8	3.3	W-3	-LP-OPS-TS	500	3	

QUESTION

____·

Hot Standby is defined as a Keff of ______ and an average coolant temperature of

A.	< 0.99,	$350^{\circ} F < Tavg >$	200°F

- B. $< 0.99, \ge 350^{\circ}F$
- C. <0.99, $\leq 200^{\circ}$ F
- D. ≥ 0.99 , $\ge 350^{\circ}F$

ANSWER

B. < 0.99, $\geq 350^{\circ}F$

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		3		New
Question History				

Examination Qu	estion Numbe	er 91				
QUESTION ID:	6021 -	STATUS	Revision	LAS	T USED	
	A	L				
DESCRIPTION:	Clearance Proce	edure & MOVs				
AUTHOR: d	vince1	R	EVISION	1 REVI	SION DATE	06/17/2002
APPROVAL:		Α	PPROVAL DAT	E:		
REFERENCE VERIF	TED: dvince	l V	ERIFICATION I	DATE:	06/17/2002	
TYPE: Multi	ple Choice	TIME	5	POINTS:	1	
QUIZ ONLY:	CLOSI	ED REFERENCE:	Х	OPEN RE	FERENCE	
SPECIAL REFEREN	CES:	SIMULA	TOR SETUP			
PLANT SYSTEM:	PPA	CATEGORY	: ADMIN			
REFERENCE:	REVISION:	CHANGE:	DATE:			
UNT-005-003	16	03	05/29/2002	2		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL:	OBJECTIV	Έ
2-2-13	3.6	3.8	W-3-LP-OPS-CL	.R00	16	

QUESTION

Which ONE of the following is TRUE if a Motor Operated Valve is being tagged for isolation and must be manually closed?

- A. The Clearance's Tagged Position must be changed to "Manually Closed".
- B. The MOV must be manually stroked to prove operability.
- C. The System Engineer must concur with closing the MOV manually.
- D. The MOV should be manually cracked off its shut seat when clearing the Danger Tag.

ANSWER

D. The MOV should be manually cracked off its shut seat when clearing the Danger Tag. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		3		New
Question History				

Examination Q	uestion Numb	er 92				
QUESTION ID:	2395 -	- STAT	Г US: Ар	proved	LAST USED	
		A				
DESCRIPTION:	Actions for exc	eeding safety lim	it on RCS press	sure		
AUTHOR:	mjesse		REVISION	1	REVISION DATE	10/18/1994
APPROVAL:	tbrown		APPROVAI	DATE:	10/26/1994	
REFERENCE VER	IFIED: dvince	:1	VERIFICAT	FION DA	TE: 06/17/2002	
TYPE: MU	LTIPLE CHOICE	TI	ME:	1 P	OINTS:	1
QUIZ ONLY:	CLOS	ED REFERENC	E: X	0	PEN REFERENCE	
SPECIAL REFERE	NCES:	SIMU	LATOR SET	UP		
PLANT SYSTEM:	TS	CATEGO	RY: Pro	cedure		
REFERENCE:	REVISION:	CHANGE:	DA	ГЕ:		
TS 2.1.2						
NRC KA NUMBER	RO	SRO	TRAININ	G MATI	ERIAL: OBJEC	ΓIVE
2-2-22	3.4	4.1	W-3-LP-O	PS-RCS0	0 8	

QUESTION

The plant is in Mode 3. The Primary Operator reports that Pressurizer Pressure indicates 2775 psia on all four safety channel meters. DETERMINE which of the following actions apply.

- A. Reduce pressure to less than 2750 psia within 1 hour, be in Hot Standby within 1 hour.
- B. Reduce pressure to less than 2750 psia within 5 minutes. Notify NRC as soon as possible not to exceed 1 hour.
- C. Be in Hot Standby within 1 hour. Notify NRC as soon as possible not to exceed 1 hour.
- D. Be in Hot Standby within the next 6 hours, be in Hot Shutdown within the following 6 hours, and be in Cold Shutdown within the subsequent 24 hours (TS 3.0.3).

ANSWER

B. Reduce pressure to less than 2750 psia within 5 minutes. Notify NRC as soon as possible not to exceed 1 hour.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		3		Bank
Question History				

Examination Qu	estion Numb	ber 93					
QUESTION ID:	6022	- 5	STATUS:	Draft	LAST US	SED	
		Α					
DESCRIPTION:	Refueling Pro	cedures					
AUTHOR:			REVISIO	DN 0	REVISIO	N DATE (6/17/2002
APPROVAL:			APPROV	AL DATI	E:		
REFERENCE VERI	FIED:		VERIFIC	CATION D	DATE:		
TYPE: Multi	ple Choice		TIME:	5	POINTS:	1	
QUIZ ONLY:	CLOS	SED REFER	ENCE:	Х	OPEN REFER	ENCE	
SPECIAL REFEREN	ICES:	S	SIMULATOR S	ETUP			
PLANT SYSTEM:	RF	CAT	EGORY:	ADMIN			
REFERENCE:	REVISION:	CHANG	E: 1	DATE:			
RF-001-001	09	00	-	2/12/2001			
NRC KA NUMBER:	RO	SRO	TRAI	NING MA	FERIAL:	OBJECTIVE	
2-2-26	2.5	3.7	W-3-L	P-OPS-RE	Q04	3	

QUESTION

During Refueling, the _____ has the authority to suspend Core Alterations.

- A. Fuel Handling Supervisor
- B. Fuel Handling Engineer
- C. Core Physics Monitor
- D. Refueling Contractor

ANSWER

A. Fuel Handling Supervisor **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		3		New
Question History				

Examination Qu QUESTION ID:	estion Numb	er 94 - B STA	TUS: I	Draft	LAST US	ED	
DESCRIPTION:	CNTMT build	ing entries, areas	designated as	very high	radiation areas		
AUTHOR: b	ocoble	•	REVISION	N 0	REVISION	DATE	04/02/1999
APPROVAL:			APPROVA	AL DATE:	:		
REFERENCE VERI	FIED: dvince	e1	VERIFICA	ATION DA	ATE: 06/17/	2002	
TYPE: Multi	iple Choice	Т	IME:	5 1	POINTS:	1	
QUIZ ONLY:	CLOS	ED REFEREN	CE: D	X (OPEN REFERE	NCE	
SPECIAL REFEREN	ICES:	SIM	ULATOR SE	TUP			
PLANT SYSTEM:	PPA	CATEGO	DRY: Or	ral Board			
			Pr	ocedure			
REFERENCE:	REVISION:	CHANGE:	DA	ATE:			
HP-001-213	11	02	06	/06/2002			
NRC KA NUMBER:	RO	SRO	TRAINI	NG MAT	ERIAL: 0	OBJECTIVE	
2-3-10	2.9	3.3	W-3-LP-	OPS-PPA	01 2	2	

QUESTION

The three areas where access is forbidden when the reactor is in Mode 1 in accordance with HP-001-213, Control of Reactor Containment Building Power Entries are:

- A. Safety Injection Sump, Containment Sump, and the Reactor Cavity
- B. Hot and Cold Leg "D" ring Wall penetrations, Safety Injection Sump, and the Reactor Cavity.
- C. Hot and Cold Leg "D" ring Wall penetrations, Containment Sump, and the Reactor Cavity.
- D. Hot and Cold Leg "D" ring Wall penetrations, Safety Injection Sump, and the Containment Sump

ANSWER

C. Hot and Cold Leg "D" ring Wall penetrations, Containment Sump, and the Reactor Cavity.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		3		Bank
Question History				

Examination (Question Nu	mber 95					
QUESTION ID:	6023	- 5	STATUS:	Revision	L	AST USED	
		Α					
DESCRIPTION:	Hi Radiatio	on Area					
AUTHOR:	dvince1		REVIS	SION	1 R E	VISION DATE	06/17/2002
APPROVAL:			APPR	OVAL DAT	E:		
REFERENCE VEI	RIFIED: dv	incel	VERI	FICATION I	DATE:	06/17/2002	
TYPE: M	ultiple Choice		TIME:	5	POINT	S:	1
QUIZ ONLY:	CL	OSED REFER	ENCE:	Х	OPEN I	REFERENCE	
SPECIAL REFER	ENCES:	S	SIMULATOR	R SETUP			
PLANT SYSTEM:		CAT	EGORY:	PROCEDU	JRE		
REFERENCE:	REVISION	: CHANG	E:	DATE:			
HP-001-107	14	02		03/06/2002	2		
NRC KA NUMBE	R: RO	SRO	TRA	AINING MA	TERIAL	.: OBJECT	TIVE
2-3-2	2.5	2.9	WLI	P-OPS-PPA0	0	3	

QUESTION

Entry into a High Radiation Area

- A. Requires Shift Manager and Radiation Protection Superintendent's permission.
- B. Will always be done with a Health Physics Escort.
- C. Can be exempted from RWP requirements if done under emergency conditions.
- D. Will need a key since these areas are always locked.

ANSWER

C. Can be exempted from RWP requirements if done under emergency conditions. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		3		New
Question History				

Examination Qu	estion Numb	er 96					
QUESTION ID:	6024	- STA	ATUS:	Revision	LAST	USED	
		Α					
DESCRIPTION:	Containment H	urge					
AUTHOR: 0	lvince1		REVISIO	ON 1	REVIS	ON DATE	06/17/2002
APPROVAL:			APPROV	VAL DATI	Ε:		
REFERENCE VERI	FIED: dvinc	e1	VERIFIC	CATION I	DATE: 06	6/17/2002	
TYPE: Multi	iple Choice	Т	IME:	5	POINTS:	1	
QUIZ ONLY:	CLOS	ED REFEREN	CE:	Х	OPEN REF	ERENCE	
SPECIAL REFEREN	ICES:	SIM	ULATOR S	ETUP			
PLANT SYSTEM:	CAP	CATEG	ORY:	PROCEDU	JRE		
REFERENCE:	REVISION:	CHANGE:]	DATE:			
OP-002-010	14	00	1	12/06/2001			
NRC KA NUMBER:	RO	SRO	TRAI	NING MA'	TERIAL:	OBJECTIVE	
2-3-9	2.5	3.4	W-3-L	P-OPS-HV	R00	8	

QUESTION

The plant has initiated Containment Purge to raise the Oxygen level in Containment. While doing the purge, the TGB watch reports that the portable barometer reading on the RAB roof is reading 29.85 INHG. The PMC shows that Containment to Ambient Differential Pressure is 11.3 INWC. The CRS asks you to calculate Containment Pressure IAW OP-903-001, Att 11.15, Containment Pressure Calculation. What pressure do you report?

- A. 15.15 PSIA
- B. 15.09 PSIA
- C. 15.06 PSIA
- D. 15.00 PSIA

ANSWER

B. 15.09 PSIA

COMMENTS

Must add 0.05 to the barometer reading. Provide copy of OP-903-001, Att 11.15, Containment Pressure Calculation.

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehensive or Analysis		3		New
Question History				

Examination Qu	estion Number	r 97			
QUESTION ID:	3520 -	STATUS	S: Approved	LAST USED	
	Α				
DESCRIPTION:	Determine which	actuations have oc	curred based on ir	dications	
AUTHOR:	NRC	R	EVISION) REVISION DATE	01/06/1995
APPROVAL: t	brown	А	PPROVAL DAT	E: 01/11/1995	
REFERENCE VERI	FIED: dvince1	V	ERIFICATION I	DATE: 06/18/2002	
TYPE: Mult	iple Choice	TIME	5	POINTS:	1
QUIZ ONLY:	CLOSE	D REFERENCE:	Х	OPEN REFERENCE	Х
SPECIAL REFEREN	ICES:	SIMULA	TOR SETUP		
PLANT SYSTEM:	PPE	CATEGORY	: PROCEDU	JRE	
	PPS				
REFERENCE:	REVISION:	CHANGE:	DATE:		
NRC KA NUMBER:	RO	SRO	TRAINING MA	TERIAL: OBJECT	TIVE
2-4-2	3.9	4.1	W-3-LP-OPS-PP	E01 11	

QUESTION

The following plant conditions exist:

- A feedline break has occurred inside containment.
- Containment pressure is 17.4 psia.
- Containment radiation levels are normal.
- PZR pressure is 1825 psia.
- RWSP level is 90%.
- S/G #1 is at 925 psia and 50% WR.
- S/G #2 is at 580 psia and 20% WR.

WHICH ONE (1) of the following groups of actuation signals should have occurred?

A. SIAS, MSIS, CIAS, EFAS-1

B. SIAS, MSIS, CIAS, EFAS-2

- C. SIAS, CIAS, CSAS, EFAS-1
- D. MSIS, CSAS, CIAS, EFAS-2

ANSWER

A. SIAS, MSIS, CIAS, EFAS-1

Cognitive Level	Tier-Group	RO	SRO	Question Source
Comprehension or Analysis		3		Bank
Ouestion History				

Examination Q	Juestion Numb	er 98				
QUESTION ID:	6025 .	- STAT	ГUS: Re	vision	LAST USED	
		A				
DESCRIPTION:	Identifying Pos	t Accident Instru	mentation			
AUTHOR:	dvince1		REVISION	1	REVISION DAT	E 06/18/2002
APPROVAL:			APPROVAL	DATE:		
REFERENCE VEF	RIFIED: dvince	:1	VERIFICAT	TON DA	TE: 06/18/2002	
TYPE: Mu	Itiple Choice	TI	ME:	5 I	POINTS:	1
QUIZ ONLY:	CLOS	ED REFERENC	E: X	C	DPEN REFERENCE	
SPECIAL REFERE	ENCES:	SIMU	ILATOR SETU	JP		
PLANT SYSTEM:		CATEGO	RY: PRC	OCEDUR	Έ	
REFERENCE:	REVISION:	CHANGE:	DAT	TE:		
NRC KA NUMBER	R: RO	SRO	TRAININ	G MATI	ERIAL: OBJE	CTIVE
2-4-3	3.5	3.8	WLP-OPS-	MCD05	1	

QUESTION

At Waterford 3, Post Accident Monitoring Instrumentation is designated by:

- A. The instrument identification number (UNID) will have a "S" at the end of the number.
- B. An orange border around the nameplate.
- C. The instrument lettering is colored red.
- D. By location on the control panel.

ANSWER

B. An orange border around the nameplate. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		3		New
Question History				

Examination Qu	estion Numb	er 99					
QUESTION ID:	6026 -	STAT	US: Revis	ion	LAST USE	D	
	1	4					
DESCRIPTION:	EOP Terms - V	erifying SIAS init	iation				
AUTHOR:	dvince1		REVISION	1	REVISION	DATE	06/18/2002
APPROVAL:			APPROVAL D	ATE:			
REFERENCE VERI	FIED: dvince	1	VERIFICATIO	ON DA'	ΓE: 06/18/2	2002	
TYPE: Mult	iple Choice	TIN	AE: 5	P	OINTS:	1	
QUIZ ONLY:	CLOS	ED REFERENCI	E: X	0	PEN REFEREN	NCE	
SPECIAL REFEREN	NCES:	SIMU	LATOR SETUP				
PLANT SYSTEM:	PPE	CATEGO	RY: PROC	EDURE	3		
REFERENCE:	REVISION:	CHANGE:	DATE	:			
OI-038-000	01	01	08/23/2	2001			
NRC KA NUMBER:	RO	SRO	TRAINING	МАТЕ	RIAL: O	BJECTIVE	
2-4-17	3.1	3.8	WLP-OPS-PI	PE08	9		

QUESTION

The CRS has asked you to verify SIAS Initiation, which one of the following should be checked?

- A. SIAS alarms and status lights.
- B. HPSI pump flow is acceptable.
- C. SIAS alarms, status lights, pump status and flow control valves open.
- D. Pumps status and flow control valves open.

ANSWER

C. SIAS alarms, status lights, pump status and flow control valves open. **COMMENTS**

Cognitive Level	Tier-Group	RO	SRO	Question Source
Memory or Fundamental Knowledge		3		New
Question History				

QUESTION ID: 5776 - STATUS: Draft LAST USED A							
A							
DESCRIPTION Investigation of the second seco							
DESCRIPTION: Immediate Operator Actions on Control Room Evacuation.	000						
AUTHOR: dcassid REVISION 0 REVISION DATE 06/21/2	2000						
APPROVAL: APPROVAL DATE:							
REFERENCE VERIFIED: dvince1 VERIFICATION DATE: 06/18/2002							
TYPE:Multiple ChoiceTIME:5POINTS:1							
QUIZ ONLY: CLOSED REFERENCE: X OPEN REFERENCE							
SPECIAL REFERENCES: SIMULATOR SETUP							
PLANT SYSTEM: ADM CATEGORY: PROCEDURE							
REFERENCE: REVISION: CHANGE: DATE:							
OP-901-502 06 02 01/03/2001							
NRC KA NUMBER: RO SRO TRAINING MATERIAL: OBJECTIVE							
2-4-49 4 4 W-3-LP-OPS-PPO51 2							

QUESTION

The following are Immediate Actions in accordance with OP-901-502, Control Room Evacuation, with the EXCEPTION of:

- A. Trip the Reactor and verify all CEAs fully inserted.
- B. Verify SGFPs are in Reactor Trip Override.
- C. Reset the Moisture Separator Reheater controls.
- D. Verify Pressurizer Spray Valve Selector Switch is in Both.

ANSWER

B. Verify SGFPs are in Reactor Trip Override. **COMMENTS**

REF: OP-901-502, Evacuation of the Control Room and Subsequent Plant Shutdown. R5 C2. Page 5.

Used on 2000 NRC SRO Initial Written Examination.

Cognitive Level	Tier-Group	RO	SRO	Question Source	
Memory or Fundamental Knowledge		3		Bank	
Question History	Used on 2000 NRC SRO Initial Written Examination				