U. S. Nuclear Regulatory Commission			
Site-Specific			
Written Examination			

Written Examination

Applicant Information	
Name:	Region: III
Date: 7/23/01	Facility/Unit: CLINTON
License Level: SRO	Reactor Type: GE
Start Time:	Finish Time:

A. Instructions

Use the answer sheets provided to document your answers. Staple this cover sheet on top of the answer sheets. The passing grade requires a final grade of at least 80.00 percent. Examination papers will be collected five hours after the examination starts.

Applicant Certification

All work done on this examination is my own. I have neither given nor received aid.

	В.	Applicant's Signature	 C
<u>Results</u>			
Examination Value			 Points
Applicant's Score			 Points
Applicant's Grade			 Percent

Question:	Exam	System	KA		
# 1	BOTH	201003	K5.01		
The plant has been valve for rod 28-4	The plant has been at End-Of-Cycle coastdown and 96% power when a scram occurred. The inlet scram valve for rod 28-41 failed to open				
Which of the follo	wing describes rod 28-4	1's final position following th	e scram?		
Control rod 28-41 CRD piston.	will be in	serted due to the	pressure on the bottom of the	e	
A. partially;	cooling water supply				
B. partially; 1	reactor				
C. fully; c	cooling water supply				
D. fully; 1	reactor				

Explanation:

A & C Cooling water flow will be zero until scram is reset

B With reactor pressure > 600 psig there is enough differential pressure to drive the rod completely in even though the scram inlet valve fails to open.

Answer	Reference:	Question Pedigree:
D	LP85201-03	New
Objective:	Cognitive Level:	Difficulty:
LP85201 .1.1.14	2	3.3

		20	UT ILT EXAIII		
Ques	tion:	Exam	System	KA	
# 2		вотн	204000	K5.07	
The p	plant is operating near	rated conditions.			
Annu	nciator 5000-1C, F-E) INLET TEMP H	I 140°F, came in and has be	een in one minute.	
Unde maint	Under these conditions what is the preferred method of verifying reactor coolant conductivity is maintained within specification of ORM 2.3.1, Reactor Coolant System Chemistry?				
A. F	RT Outlet Continuous	Conductivity Rec	order on P678.		
B. F	RT Inlet Continuous (Conductivity Record	rder on P678.		
C. F	RR Continuous Cond	uctivity Recorder of	on P678.		
D. (Chemistry must obtain	n samples and anal	yze.		

Explanation:

When the annunciator came in RT isolated. In accordance with CPS 3303.01 RR Continuous Conductivity Monitor would act as backup.

Answer	Reference:	Question Pedigree:
С	CPS 3303.01 Rev. 23a Limitation 6.2	New
Objective:	Cognitive Level:	Difficulty:
LP85204 .1.2	2	3.0

Question:	Exam	System	KA	
# 3	вотн	205000	K1.02	
When placing RHR Loop B in SDC, CPS 3312.03 RHR – SHUTDOWN COOLING (SDC) & FUEL POOL COOLING ASSIST (FPC&A) has the 1E12-F064B, RHR Pump 1B Minimum Flow Valve, shut/verified shut and the breaker turned off.				
What is the reason for pe	rforming this action?			
A. To ensure that an ina	dvertent loss of RPV level c	loes not occur.		
B. To prevent hydraulic	instability with potential fo	or increased pump wear.		
C. To minimize the pos	sibility of thermal binding o	f 1E12-F064B.		
D. To ensure the discha	rge piping does not drain do	own if 1E12-F064B is opene	d.	

Explanation:

Step 8.1.2.16 of CPS 3312.03 supports answer A. B would be true if the valve were opened for a long period of time. C would be true if the valve was opened and then closed with temperatures $>200^{\circ}$ F. D is not true because 1E12-F064B is upstream of the discharge check valve and the discharge check valve will prevent drain down even if 1E12-F064B is open.

Answer	Reference:
Α	CPS 3312.03 Rev. 3c
Objective:	Cognitive Level:
LP85205 .1.5.13	1

Question Pedigree: New Difficulty: **2.8**

Ouad	tion: Evom	Sustem	VA	
Quesi	tion. Exam	System	NА	
# 4	ВОТН	205000	K3.01	
• S	Shutdown Cooling is in service with RF	IR B loop.		
•]	Reactor Pressure is 102 psig and stable			
• V	WS is supplying the cooling water.			
• 1	The B RHR heat exchanger service wat	er outlet valve 1E12-F068B	fails closed.	
Whic	h annunciator would be the first indica	tion of the problem:		
A. F	RHR PUMP B DISCHARGE PRESS A	ABNORMAL		
B. F	RHR HX A/B INLET TEMP HIGH			
C. F	RHR PUMP B AUTO TRIP			
D. S	SHUTDOWN HEADER PRESSURE F	HGH		

Explanation:

Isolation of SX flow to B RHR Heat Exchanger will cause reactor coolant temperature to rise and thus reactor pressure to rise. When reactor pressure rises to 104 psig. The shutdown cooling suction valves will close initiating the RHR B Pump trip logic and annunciator.

0	1 1 0	
Answer	Reference:	Question Pedigree:
С	CPS 5065.03 Rev. 33	New
Objective:	Cognitive Level:	Difficulty:
LP85205 .1.5.1	2	3.5

		20	JOI ILI Exam		
Qu	estion:	Exam	System	KA	
# 5		SRO	209002	2.4.49	
The	e following conditions	exist:			
•	Mode Switch in Shute	down			
•	Reactor Power = 10%	, D			
•	Reactor Water Level	= 40 inches and ra	ising at 1 inch/minute.		
•	Drywell pressure $= 0$.	.75 psig and stable			
Wh	ich of the following ac	tions should the op	perator be directed to perfor	m and why?	
A.	Close HPCS discharg	e valve; prevent co	old unborated water from ca	using power spikes.	
B.	Initiate HPCS while h causing turbine trip.	olding discharge	valve control switch in 'Clos	se'; prevent high water level fro	om
C.	Close HPCS discharg	e valve; prevent hi	igh water level from causing	, turbine trip.	
D.	Initiate HPCS while h from causing power s	olding discharge v pikes.	valve control switch in 'Clos	se'; prevent cold unborated wate	er

Explanation: There is no HPCS initiation signal present at this time and in accordance with CPS 4411.02 under these conditions to prevent HPCS initiation

- While holding control switch in CLOSE for 1E22-F004, HPCS To CNMT Outbd Isln Valve:
- Arm and Depress HPCS MANUAL INITIATION push-button.

This is performed to prevent cold unborated water from causing power spikes.

1	1	
Answer	Reference:	Question Pedigree:
D	EOP Tech Bases	New
Objective:	Cognitive Level:	Difficulty:
LP87553 .1.13.1	2	3.0

		2001 IL			
Que	estion:	Exam	System	KA	
#6		SRO	211000	2.1.32	
Technical Specification 3.7.1, "Standby Liquid Control" requires the temperature of the sodium pentaborate solution be maintained above a certain temperature. The basis for this requirement is to maintain:					
A.	A. accurate level indication by preventing significant changes in water density.				
B. accurate level indication by preventing sodium pentaborate precipitate in the level indication tube.					
C.	C. system operability by preventing pump seal damage from cold pump starts.				
D.	D. system operability by preventing sodium pentaborate precipitate from forming in the suction piping.				

Explanation: Technical Specification SR 3.1.7.2 requires verification of the sodium pentaborate solution. The bases associated with SR 3.1.7.2 discusses verifying borated solution temperature thereby ensuring SLC system operability.

Answer	Reference:	Question Pedigree:
D	T. S. SR 3.1.7.2 Bases	New
Objective:	Cognitive Level:	Difficulty:
LP85211 .1.6.2	1	3.0

Question:	E	xam	System	KA
# 7	В	ютн	211000	2.1.33
Which of the following sets of conditions meets the requirements for OPERABILITY of the Standby Liquid Control System in Mode 2?Provide Tech Spec 3.1.7				
Т	ank Level	Tank S	olution	
		Concentration	Temperature	
А.	3600	13.5%	65°F	
В.	4000	12.0%	75°F	
C.	3500	13.5%	82°F	
D.	3825	12.7%	76°F	

Explanation:

A - Temperature is below the minimum 70°F temperature.

B – Concentration is just below minimum concentration line.

C – Tank volume is below the low level alarm.

Answer	Reference:	Question Pedigree:
D	Tech Spec 3.1.7, CPS 9000.01	CPS Bank Question #18273
Objective:	Cognitive Level:	Difficulty:
LP87622 1.6.9,	2	3.3
.1.6.10		

	-	2001 ILT EXAIII			
Question:	Exam	System	KA		
# 8	ВОТН	212000	A3.05		
• Unit l	has been in mode 3 for two days	5			
• React	or pressure is stable at 100 psig	5			
A leaky so	cram outlet valve has resulted ir	the following alarms			
5	006-1D SDV NOT DRAINED)			
5	5004-2A DIV 1 OR 4 SDV HI WTR TRIP				
5	005-2A DIV 2 OR 3 SDV HI	WTR TRIP			
Based upo	on the above alarms, which of the	ne following describes the statu	s of the following annunciators?		
5	006-2H ROD OUT	5004-3L SCRAM PLT VL	V		
	BLOCK	AIR HDR PRESS LO			
A.	Cleared	Cleared			
B.	Alarmed	Alarmed			
C.	Cleared	Alarmed			
D.	Alarmed	Cleared			

Explanation: ROD OUT BLOCK would already be in solid in mode 3. The SCRAM PILOT VALVE AIR will depressurize when the full scram is received.

AnswerReference:Question Pedigree:BCPS 5004.03 Rev. 26
CPS 5006.02 Rev. 26NewObjective:Cognitive Level:Difficulty:LP85201.1.1.423.5

Clinton Power Station 2001 H T T

		20	UI ILI Exam		
Que	estion:	Exam	System	KA	
# 9		вотн	215003	A1.03	
Giv	Given the following plant conditions:				
•	Reactor Startup is in p	rogress.			
• IRM channels are on Range 1 indicating between 25 and 75.					
• SRM Channel 'A' is bypassed awaiting maintenance.					
Which of the following statements correctly describes the response if the IRM Channel "A" high voltage power supply de-energized?					
A.	A. There will be NO protective response because the companion SRM for IRM 'A' is bypassed.				
B.	B. There will be a control rod withdrawal block ONLY since IRM 'A' inputs to RPS are bypassed.				
C.	C. There will be a RPS channel 'A' trip ONLY since IRM range 1 bypasses the control rod withdrawal block.				

D. There will be BOTH a RPS channel 'A' trip and control rod withdrawal block.

Explanation:

<u>Answer</u> The IRM Hi Voltage power supply failure is an inop trip. This produces a rod block and scram signal which are only bypassed with the Sensor bypass switch in bypass.

Distractors

Additional bypass conditions for scram and rod block are suggested. While IRM range 1 bypasses downscale rod block it doesn't bypass inop trips.

Answer	Reference:	Question Pedigree:
D	LP87409-01	Question from Hope Creek
Objective:	Cognitive Level:	Difficulty:
.1.3.1 & .1.3.2	2	3.3

Que	estion:	Exam	System	KA	
#10)	вотн	215003	K2.01	
The	The IRM equipment drawers are powered from:				
A.	A. DC MCCs 1A, 1B, 1C, and 1D				
B.	B. Aux Bldg MCCs 1A1, 1B1, 1C1, 1D1				
C.	C. Division 1, 2, 3, and 4 NSPS busses				
D.	D. Unit Subs 1A, 1B, 1C, and 1D				

Explanation: Neutron monitoring is powered from the NSPS busses.

Answer	Reference: LP87409-01	Question Pedigree: CPS Exam Bank Question #7747
Objective:	Cognitive Level:	Difficulty:
LP87409 .1.6	1	3.8

Ques	stion: E	Exam	System	KA
# 11	E	вотн	215004	A4.03
Whic	Which of the following represents the SRM count rate indication displayed on DCS?			
A. (A. Only the highest reading SRM			
B. 1	B. Highest of A or C and B or D			
C. Highest of A or B and C or D				
D. 4	All four are displayed			

Explanation: All four SRMs are displayed on DCS.

Answer	Reference:	Question Pedigree:
D	LP87215-01	New
Objective:	Cognitive Level:	Difficulty:
LP87215 .1.3.2	1	2.8

Qu	estion:	Exam	System	KA
#1	2	вотн	215004	K1.01
Which set of conditions within the Source Range Monitoring system, would generate a Reactor Protection system scram signal?				erate a Reactor Protection
A.	Shorting links REMO	VED	upscale trip in 1 channel	
B.	Shorting links REMO	VED	short period trip in 2 channels	
C.	Shorting links INSTA	LLED	upscale trip in 2 channels	
D.	Shorting links INSTA	LLED	short period trip in 1 channel	

Explanation: With the shorting links removed RPS is placed in non-coincidence logic and any 1 SRM upscale trip or INOP signal will initiate a full scram.

Answer	Reference:	Question Pedigree:
Α	LP87215-01	CPS Exam Bank Question #3530
		Modified
Objective:	Cognitive Level:	Difficulty:
LP87215 .1.3.4	2	3.0

Que	estion:	Exam	System	KA
# 1.	3	вотн	215005	K3.08
Но	w would a LPRM Failu	are Downscale affect core t	hermal power limits?	
A.	A. Conservative; Indicated power would lower, moving the plant further from the thermal limits.			
B.	B. Non-Conservative; Indicated power would rise, moving the plant closer to the thermal limits.			ne thermal limits.
C.	C. Conservative, Indicated power would rise, creating the possibility that a core thermal limit may be exceeded when it really isn't.			
D.	Non-Conservative; In exceeded without dete	dicated power would lower ection.	r, creating the possibility of	a core thermal limit being

Explanation: A downscale LPRM will cause indicated power to be less than actual power. A thermal limit could then be exceeded with out being detected.

Answer	Reference:	Question Pedigree:
D	LP87411-01	New
Objective:	Cognitive Level:	Difficulty:
LP87411 .1.6.3	1	3.0

Que	estion:	Exam	System	KA
# 14	l .	ВОТН	216000	K1.21
One of the Wide Range Reactor Pressure Vessel Instruments that inputs to SPDS has failed. How would SPDS indicate this failure?				
A.	A. Bar graph will turn white and associated number will turn inverse (reverse video) white.			
В.	B. Bar graph will turn white and associated number will turn inverse (reverse video) red.			
C.	C. Bar graph will turn red and associated number will turn inverse (reverse video) white.			
D.	Bar graph will turn re	d and associated number w	ill turn inverse (reverse vide	eo) red.

Explanation:

When there are two or more sensors for a parameter and the readings do not agree the parameter is displayed in white on the SPDS display and the number turns inverse white.

Answer	Reference:	Question Pedigree:
Α	LP87283-01	New
Objective:	Cognitive Level:	Difficulty:
LP87283 .1.7.1	1	2.5

	2	2001 IL1 Exam	
Question:	Exam	System	KA
# 15	BOTH	216000	K3.10
The following condition	is exist:		
• The plant is operati	ng at 60% power.		
• RPV level is 35" an	id stable on 3 Elen	nent Feed Water Level Control	
• B TDRFP has been	removed from ser	vice.	
Narrow Range Leve	• Narrow Range Level Transmitter 'A' is selected for input to the Feed Water Level Control system.		
An electronic failure causes the 'A' level channel to instantaneously track 6 inches less than actual level.			
which of the following	is the first expecte	ed plant response?	
A. The A TDRFP will lock up due to a control signal failure.			
B. A Level 3 scram wi	ll occur.		
C. The Reactor Recirc	C. The Reactor Recirc system will run back.		
D. The Reactor Recirc	pumps will trip to	o off.	

Explanation: A RR runback is initiated by RPV level < lvl 4 on the selected level channel and less than 2 TDRFPs running.

Question was validated on the simulator to ensure correct answer was "C".

Answer	Reference:	Question Pedigree:
С	CPS 3302.01 Rev. 25a	New
Objective:	Cognitive Level:	Difficulty:
LP87402-01 . 1.4.1	1	3.75

			JUI ILI LAAIII		
Qu	estion:	Exam	System	KA	
#1	6	вотн	218000	K5.01	
Αp	plant transient is in pro	gress with current	plant conditions as follows:		
•	Drywell Pressure is 3	.6 psig and rising	at 0.2 psi/min.		
•	Reactor Level is –35 ³	" and lowering at	1.5 in./min.		
•	Reactor Pressure is 8	10 psig and lower	ing at 10 psi/min.		
•	HPCS Pump is OOS				
•	• All other ECCS systems have performed as expected.				
AD	S will initiate immedia	ately after:			
A.	A. Level 1 is reached.				
B.	B. Level 1 is reached and the 105 second timer times out.				
C.	C. Top of Active Fuel (TAF) is reached.				
D.	D. Top of Active Fuel (TAF) is reached and the 105 second timer times out.				

Explanation: ADS initiation requires a high drywell pressure, a low pressure ECCS pump running, a level 1 and the 105 sec timer timed out.

Answer	Reference:
B	LP87218-01
Objective:	Cognitive Level:
LP87218 .1.11.2	2

Question Pedigree: **New** Difficulty: **2.3**

Question:	Exam	System	KA		
# 17	SRO	219000	2.4.45		
• A transient has occurr	red				
• "B" RHR is in Suppre	ession Pool Cooling				
The following annunciator	rs have been received:				
• RHR HX B OUT	RHR HX B OUTLET CONDUCTIVITY HIGH				
• SX SERVICE WATER EFFLUENT B – 1RIX-PR039 – HIGH ALARM					
Which of these annunciate	ors should receive the highe	st priority and why?			
A. RHR HX B OUTLET CONDUCTIVITY HIGH; indicates fuel damage					
B. RHR HX B OUTLET CONDUCTIVITY HIGH; indicates radiation release					
C. SX SERVICE WATE	C. SX SERVICE WATER EFFLUENT B – 1RIX-PR039; indicates fuel damage				
D. SX SERVICE WATE	R EFFLUENT B – 1RIX-F	PR039; indicates radiation r	elease		

Explanation:

Incorrect

- A. & B. Alarm is expected anytime Suppression Pool Cooling is in service
- C. Alarm would not be expected unless there is a RHR H/X tube leak.
- Correct
- D. Alarm would be high priority and would be indicative of a radiation release due to a RHR H/X tube leak.

Answer	Reference:	Question Pedigree:
D	CPS 4979.05 Rev. 7	New
Objective:	Cognitive Level:	Difficulty:
	2	2.0

	Exam	Svs	tem	KA	
# 18	вотн	223	001	K2.09	
	1		001	112.07	
• Unit was at rated co	nditions				
All four DW Coolin	ig System fans v	were running to fac	cilitate a swap of c	chillers.	
• The normal feed br	eaker to 4160V	1A1 bus tripped.			
• DG restored power	to 4160V 1A1 b	ous as designed.			
Assuming no operator ad	ctions:				
which of the following d	leseribes the DV	V Cooling Fons sta	tus following the	transiant?	
	lescribes the DV	v Cooning Fails sta	itus ionowing the	transfent?	
DW Cooling	Α	В	С	D	
Fan					
А.	Tripped	Tripped	Tripped	Tripped	
B.	Tripped	Running	Tripped	Running	
B.	Tripped	Running	Tripped	Running	
B. C.	Tripped Tripped	Running	Running	Running Tripped	
DW Cooling Fan A.	A Tripped	B Tripped	C Tripped	D Tripped	

Explanation:

A & C are powered from Division 1

B & D are powered from Division 2

A & C tripped on undervoltage when power was lost and do not restart when power is restored. B & D remained running

Answer	Reference:	Question Pedigree:
В	LP85222-02, CPS 3320.01 Rev. 11b	New
Objective:	Cognitive Level:	Difficulty:
	2	4.0

		UUT ILT LAIII			
Question:	Exam	System	KA		
# 19	вотн	223001	K5.10		
A LOCA has occurre	ed, current plant condi	tions are as follows:			
• Containment Pro	essure is 10 psig.				
• Containment Hy	ydrogen Concentration	is 8.3%			
Which of the follow	ing actions would be re	equired under these conditions	5?		
A. Start the Hydrog	gen Igniters.				
B. Start the Mixing Compressors.					
C. Start the Hydrog	C. Start the Hydrogen Recombiners.				
D Vent and Purge	the Containment				
D. Vont und Funge	the Contaminent.				

Explanation:

- A Igniters are required to be prevented from restarting if not already on.
- B Mixers are required to be stopped if igniters are not on and conditions are greater than figure R.
- C Recombiners are required to be stopped if hydrogen is greater than 5%.

Answer	Reference:	0	Question Pedigree:
D	EOP Tech Bases		New
Objective:	Cognitive Level:		Difficulty:
LP87600 .1.3.3	1		3.25

	20			
Question:	Exam	System	KA	
# 20	ВОТН	223002	A3.03	
A plant transient signal and the ap	has occurred. The followin plicable valves have respon	ng containment isolation gro ided as indicated:	oups have received a valid isolation	
Group 5	All valves have shut.			
Group 4 All valves have shut except 1G33-F053, RWCU Disch intermediate.		h Inbd Isol, which indicates		
How will the abo	ove conditions be displayed	on DCS?		
A. A green '5'	only.			
B. A red inverse (reverse video) '4' only				
C. A green '5'	and a red inverse (reverse v	ideo) '4'		
D. A green '5'	and a green '4'.			

Explanation:

DCS shows only isolation group numbers that have all their isolation valves fully shut, so only the "5" would be displayed.

Answer	Reference:	Question Pedigree:
Α	LP87407-01 & CPS 3512.01 Rev.9	New
Objective:	Cognitive Level:	Difficulty:
LP87407 .1.2.1	1	3.5

	20				
Question:	Exam	System	KA		
# 21	вотн	223002	K4.01		
Which of the follow	Which of the following describes CRVICS design features utilized at CPS to ensure redundancy?				
To ensure closure o	f penetrations that have	two:			
A. MOVs in series, each will have two power supplies.					
B. AOVs in series, each will share two accumulators.					
C. MOVs in series, each will have a different power supply.					
D. AOVs in series	, each has two accumula	tors.			

Explanation:

A – Each MOV only has one power supply.

B – Each AOV has an accumulator but does not share.

C-Correct answer each will have a different power supply to ensure that if one power supply is lost the other power supply will allow closure of one of the valves and isolation of the line.

D – AOVs only have one accumulator each.

AnswerReference:Question Pedigree:CLP87407-01NewObjective:Cognitive Level:Difficulty:12.8

		2	UUT ILT LAIII		
Que	estion:	Exam	System	KA	
# 22	2	BOTH	226001	K2.02	
A lo	oss of Off Site Power h	as occurred:			
•	Division I Diesel Gen	erator could NO	T be started.		
•	Division II Diesel Ger	nerator auto start	ed and loaded.		
•	Division III Diesel Ge	nerator auto star	ted and loaded.		
At t	his time, with no opera	tor action, the pu	ump(s) available for Contain	ment Spray is/are:	
A.	RHR Pump A				
B.	RHR Pump B				
C.	RHR Pumps A & B				
D.	RHR Pumps B & C				

Explanation:

- A & D RHR Pump "A" does not have power.C RHR B & C have power but only B supplies containment spray.

Answer	Reference:	Question Pedigree:
B	LP85205-05	Dresden 2000 NRC Exam, Modified
Objective:	Cognitive Level:	Difficulty:
LP85205 .1.3.4	2	2.0

Que	estion:	Exam	System	KA
# 2.	3	ВОТН	239001	K3.08
The Bui	e plant has experienced lding. Which of the fo	a complete loss of Instrum llowing is the preferred me	ent Air, due to an unisolable thod of decay heat removal	e rupture in the Turbine ?
A.	Turbine Bypass Valve	es		
B.	Reactor Feed Pump T	urbine		
C.	Steam Jet Air Ejector	s		
D.	Reactor Core Isolation	n Cooling		

Explanation:

A, B, & C Loss of Instrument Air shuts the MSIVs preventing the use of any of these methods.

Answer	Reference:	Question Pedigree:
D	LP85239-05	New
Objective:	Cognitive Level:	Difficulty:
LP85239 .1.8.2	2	2.5

		_				
Que	estion:	Exam	System	KA		
# 24	4	вотн	239002	A1.04		
A C sub	A Group I Isolation occurred at 25% power. SRVs opened to control a reactor pressure spike and subsequently reclosed. Maximum reactor pressure was 1110 psig.					
Atv	what pressure will the	next Safety-Relie	f Valve open and why?			
A.	1033 psig; to prevent	reaching the high	n pressure scram setpoint.			
B.	1033 psig; to minimiz	ze cycling of the	other SRVs.			
C.	1103 psig; to prevent	reaching the high	n pressure scram setpoint.			
D.	1103 psig; to minimiz	ze cycling of the	other SRVs.			

Explanation:

When SRVs are actuated due to high pressure the Low-Low Set relief function is actuated. This resets the reopen pressure to a lower value. The close pressure of the lowest valve is 926#. The lowest pressure that a valve reopens is 1033#. The reason this is done is to reduce the number of SRVs cycling for a given condition.

Answer	Reference:	Question Pedigree:
В	LP85239-05	New
Objective:	Cognitive Level:	Difficulty:
LP85239 .1.6.2	2	3.3

Quest	tion:	Exam	System	KA			
# 25		вотн	239002	K6.04			
DC M	DC MCC 1A power is lost to the SRVs.						
Whic	h of the follow	ving functions are still	available for SRV F051G?				
	LLS	Relief	Manually Open from H13-P601				
A.	Х	Х					
B.		Х	Х				
C.	Х		Х				
D.	Х	Х	Х				

Explanation: LLS and Relief modes energize both solenoids (Div 1 & 2). The manual switches on 1H13-P601 energize only the Div 1 solenoids

Answer	Reference:	Question Pedigree:
Α	LP85239-05	New
Objective:	Cognitive Level:	Difficulty:
LP85239 .1.10.1	2	2.5

Que	estion:	Exam	System	KA	
# 26		вотн	239003	K6.01	
Wh Cor	What is the potential impact of a loss of AC power to the pipe heater on its respective MSIV Leakage Control System inboard subsystem?				
A.	A. Subsystem air blower capacity would rise.				
B.	B. Condensate formed by vapor leakage would not be evaporated, creating a water seal on the process line.				
C.	C. The in-service Drywell Purge Filter Train charcoal filter's efficiency would lower.			lower.	
D.	D. The in-service Standby Gas Treatment Train charcoal filter's efficiency would rise.		ld rise.		

Explanation:

A .Moisture would decrease the blower capacity.C. Drywell Purge Filter Trains are not used with MSIV leakage control.

D. Moisture would decrease the charcoal efficiency

Answer	Reference:	Question Pedigree:
В	LP85431-01	CPS EB #12564
Objective:	Cognitive Level:	Difficulty:
LP85431 .1.6.2	1	2.8

	2001 IL		T 7 A
Question:	Exam	System	KA
# 27	SRO	261000	2.4.10
Current plant conditions a	re:		
LOCA signal Fuel Buildir	ng Rad present >10mr.		
'B' Reactor Operator repo	orts that both VG trains are r	unning.	
A train flow is 4800 scfm.			
B train flow is 3800 scfm.			
Which of the following de	escribes the direction that sh	ould be given to the ROs?	
A. Secure train A only.			
B. Secure train B only.			
C. Leave both trains run	ning.		
D. Secure both trains and	d restart VF.		

Explanation:

A train flow is excessive. Rad is >10 mr so VF cannot be restarted.

Answer	Reference:	Question Pedigree:
Α	5050.03 Rev. 30a	New
Objective:	Cognitive Level:	Difficulty:
LP85261 .1.9.1 &	2	3.0
.1.10.1		

	20	UT ILT EXAIII			
Question:	Exam	System	KA		
# 28	вотн	241000	A2.05		
Current plant conditions a	re as follows:				
• Reactor Power 30% p	oower.				
• CPS 9031.06 MAIN TURBINE STOP VALVE AND COMBINED INTERMEDIATE VALVE TESTS is in progress.					
When the first Main Stop	When the first Main Stop Valve is tested, ALL MAIN STOP VALVES FAIL SHUT.				
What is the initial expecte	d plant response, ar	nd operator actions?			
A. The Bypass Valves will control pressure; enter Loss of Feedwater Heating.					
B. The Bypass Valves will control pressure; enter Reactor Scram.					
C. The Bypass Valves w	C. The Bypass Valves will NOT control pressure; enter Loss of Feedwater Heating.				
D. The Bypass Valves w	ill NOT control pre	essure; enter Reactor Scrai	n.		

Explanation: The scram is bypassed at <40% power, the bypass valves can pass \sim 35% steam flow and the loss of turbine steam flow will couse a loss of feedwater heating.

Answer	Reference:	Question Pedigree:
Α	5007-01 Rev 25, LP85239-05	New
Objective:	Cognitive Level:	Difficulty:
LP85239 .1.4.1	2	3.3

		2001 IL				
Que	estion:	Exam	System	KA		
# 2	9	SRO	259001	2.1.32		
-	Unit is Shutdown.					
-	Shutdown Cooling is	in service.				
-	Reactor Pressure is 52	2 psig and stable.				
-	Main Steam lines are	isolated.				
Wh Val	Which of the following describes the expected position of the 1B21-F065A & B, Feedwater Shutoff Valve, and the USAR basis for their position?					
A.	A. Open; to reduce thermal cycling of the feedwater nozzles.					
В.	B. Open; to provide a Shutdown Cooling path to the vessel.					
	C. Closed; to prevent damage to the inboard Feedwater Check Valves.					
C.	Closed; to prevent dat	mage to the indoard Feedw	ater Check Valves.			
C. D.	Closed; to provide lor	ng term leakage protection.	ater Check Valves.			

Explanation:

- A. Feedwater makeup is not needed.B. Shutdown cooling returns downstream of the F065sC. Shutdown cooling flow is sufficient to prevent check valve damage.

Answer	Reference:	Question Pedigree:
D	USAR 6.2.4.3.2.1.1.1, LP85259-06	New
Objective:	Cognitive Level:	Difficulty:
LP85259 .1.15	2	3.5

		2001 IL			
Que	stion:	Exam	System	KA	
# 30)	ВОТН	261000	K6.09	
A Lo pres	A LOCA has occurred. Drywell pressure is 4.4 psig and rising at $+ 0.1$ psig/10 min. Containment pressure is 2.8 psig and rising at $+ 0.05$ psig/20 min.				
With	h respect to containme	nt purge, SGTS train 'A' is	:		
A.	A. Available; currently running due to high drywell pressure but must be manually aligned to containment purge by opening the SGTS Train 'A' Drywell Purge Inlet Damper (1VG01YA).				
B.	B. Available; currently in standby but the SGTS, Exhaust Fan 'A' (0VG02CA) must be manually started and aligned to containment purge by opening the SGTS Train 'A' Drywell Purge Inlet Damper (1VG01YA).				
C.	Unavailable, currently Inlet Damper (1VG01	running due to high drywe YA) isolated on high conta	ell pressure, but the SGTS T inment pressure.	rain 'A' Drywell Purge	
D.	Unavailable, the SGT	S, Exhaust Fan 'A' (0VG02	2CA) trips on high containm	ent pressure.	

Explanation: 1VG01YA isolates at 2.56 psid containment pressure.

Answer	Reference:	Question Pedigree:
С	LP85455-02	New
Objective:	Cognitive Level:	Difficulty:
LP85455 .1.5.1	2	3.0

Que	estion: Exam	System	KA		
# 3 1	# 31 BOTH 262002 A3.01				
Anr inve Wh	Annunciator 5012-5A, TROUBLE COMPUTER UPS 1A is received in the Main Control Room due to an inverter failure.				
A. Main Turbine Trips					
B.	B. Reactor Recirc Flow Control Valves runback				
C. MSIV Position Indication is lost					
D.	D. SDV Vent & Drain Valve Position Indication is lost				

Explanation:

- Main Turbine trips are powered from UPS 1B A.
- С.
- MSIV Indication is powered from NSPS SDV Vent & Drain Valve position is powered from NSPS D.

Answer	Reference:	Question Pedigree:
В	CPS 3509.01 Appendix A, B, C, & D	New
	Rev. 14	
Objective:	Cognitive Level:	Difficulty:
	1	4.5

_					
Que	estion:	Exam	System	KA	
# 32	2	вотн	264000	A2.09	
٠	Unit at rated conditio	ns			
•	Surveillance CPS 908 OPERABILITY bein	80.02, DG 1C OPERABII g performed.	.ITY – MANUAL A	ND QUICK START	
•	Parallel with O/S pow	ver source (RAT)			
RA' Wh OPI	RAT breaker trips due to faulty trip coil. Which of the following 1) identifies expected response; 2) is the required actions per CPS 9080.02, DG 1C OPERABILITY – MANUAL AND QUICK START OPERABILITY?				
A.	A. Offsite power source will auto transfer; DG output breaker will trip; reset the speed droop to zero.				
B.	B. DG will remain on bus; push off-site source permissive button.				
C.	C. ERAT Breaker will close and DG will remain in parallel; adjust frequency and voltage.				
D.	DG will remain on bu	is; reset speed droop to ze	ro and adjust frequen	ncy and voltage.	

Explanation:

Answer **D** Objective: Reference: CPS 9080.02 Rev. 44e Cognitive Level: 2 Question Pedigree: New Difficulty: 3.5

Ouestion:	Exam	System	KA	
# 33	SRO	233000	2.4.11	
• Plant is in Mode 5.				
Reactor Cavity Pool I	Level is normal.			
• FC is supplying Uppe	r and Lower Fuel Pools .			
• Lake temperature is 5	4°F and stable.			
• Fuel Pool Cooling (Fe Exchanger.	C) is being cooled by Shute	lown Service Water (S	X) using 'A' FC Heat	
• Spent Fuel Pool temp	erature is 72°F as indicated	on MCR recorder and	l dropping at 4°F/hr.	
• Manually throttling F	uel Pool HX 1A Outlet Val	ve (1SX062A) does N	OT have any affect.	
Is operator action required	to allow continued operation	on of the FC system?		
If Yes, what action would	be required? If No, why n	ot?		
A. No; there is no FC low temperature limit.				
B. No; lake temperature is above the low FC temperature limit.				
C. Yes; slowly isolate flo	C. Yes; slowly isolate flow to 'A' FC heat exchanger.			
D. Yes; route partial flow through 'B' FC heat exchanger.				

Explanation:

Flow is routed through the out-of-service heat exchanger MCR recorder lower limit is 70°F. Values less than or equal to 70° must be determined locally.

Answer	Reference:	Question Pedigree:
D	CPS 3317.01, 8.2.2 Rev. 20d	New
Objective:	Cognitive Level:	Difficulty:
LP86233 .1.6.12	2	4.0

		20011				
Ques	tion:	Exam	System	KA		
# 34		вотн	268000	A2.01		
A rup	A rupture has occurred on the Main EHC system on the supply line to the Turbine Stop Valve #3.					
Whic taken	to mitigate the conse	ald be impacted if oil wer equences?	e to drain to Rady	vaste, and what actions should be		
A. WF Collection Tank; prevent the oil from entering the floor drains.						
B. WE Collection Tank; prevent the oil from entering the floor drains.						
C. V	C. WF Collection Tank; direct the oil to the closest floor drain.					
D. V	WE Collection Tank;	direct the oil to the close	st floor drain.			

Explanation:

- B. & D. Oil would flow to floor drains which would flow to the WF Collection Tanks not the WE Collection Tanks
- C. Need to prevent the oil from getting into the floor drains.

WF Floor Drains

WE Equipment Drains

Answer	Reference:	Question Pedigree:
Α	CPS 3105.04 Rev. 7a	New
Objective:	Cognitive Level:	Difficulty:
LP85248 .1.6	2	3.7

Que	stion:	Exam	System	KA	
# 35	5	ВОТН	271000	A2.07	
Wh	ich of the following in	dicates an ALERT alarm or	n 1RIX-PR039 'B' SX Efflu	ient PRM?	
Cha	nnel value backlit:				
A.	Red				
B. Yellow					
C. White					
D.	Gray				

Explanat	Explanation:					
Red	Hi Alarm					
Yellow	Alert					
White	Trouble/Status					
Gray	Normal					
Answer		Reference:	Question Pedigree:			
B		5140.51 Rev. 0, LP85273-02	New			
Objectiv	e:	Cognitive Level:	Difficulty:			
LP85273	3.1.11.7	1	3.3			
Qu	estion:	Exam	System	KA		
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#3	6	вотн	286000	A4.04		
Wł	nich of the following we	ould be the first indicati	on of a degrading fi	re protection jockey pump?		
A.	A. Fire header pressure indication on 1H13-P840 panel would lower.					
В.	B. 1H13-P841 (XL3) panel alarm for Low Fire Protection System Pressure.					
C.	C. Automatic start of diesel fire pump 'A' (0FP01PA).					
D.	D. Automatic start of horizontal fire pump (0FP03P).					

Explanation:

A.	Fire header pressure is not indicated on 1H13-P840.			
B.	Low Fire Protection system pressure is not alarmed.			
D.	The horizontal Fire Pump does not auto start.			
Answer	Reference:	Question Pedigree:		
С	CPS 3213.02M001 Rev. 1	New		
Objectiv	e: Cognitive Level:	Difficulty:		
	1	2.0		

Question:	Exam	System	KA	
# 37	вотн	286000	K4.07	
Which of Diesel Fire	Which of the following describes the expected response to a decreasing oil pressure condition of a running Diesel Fire Pump?			
A. Alarn	n locally and in the MCR; pump trip.			
B. Alarn	n locally and in the MCR; run until failure.			
C. Alarn	n locally only; pump trip.			
D. Alarn	n locally only; run until failure.			

Explanation:

A, B, & C - 'Low Lube Oil Pressure' does not stop the Diesel Fire Pump engine. It sounds a local 'Engine Failure' alarm and is annunciated in the Main Control Room.

Answer	Reference:	Question Pedigree:
В	LP85286-03	New
Objective:	Cognitive Level:	Difficulty:
LP85286 .1.5.4	1	2.6

		2001 ILI LAIII	
Question:	Exam	System	KA
# 38	BOTH	290001	A1.01
• Fuel buildin	g pressure is minus	0.25 inwc	
• SBGT is in s	standby		
• An operator	has been assigned	to start fuel building HVAC.	
The operator cor response of fuel	rectly aligned the d building and runnir	ampers and started the first fan. Wh ag fan if no additional operator action (1) until the running fan trips a	ich of the following describes the n is taken?
r der sunding pre			
	(1)	(2)	
А.	Rise	+ 1.0 inwc	
B.	Rise	0.0 inwc	
C.	Lower	-0.75 inwc	
D.	Lower	-1.75 inwc	

Explanation:

The exhaust fan is always started first. Without a supply fan running, pressure will decrease until fan trips at -1.75 inwc.

Answer	Reference:	Question Pedigree:
D	LP85449-01	New
Objective:	Cognitive Level:	Difficulty:
1.6.4	2	3.0

Question:	Exam	System	KA
# 39	вотн	290001	K4.02
Fuel Building Exhaust fan 1A (1VF04CA) trips due to motor fault, what prevents excessive building pressure?			
A. Fuel Building Supply	Fan 1A (1VF03CA) trips in	nmediately	
B. Fuel Building Supply	Fan 1A (1VF03CA) trips o	n high building pressure	
C. Exhaust Flow Control	Damper (1VF11YA) open	s immediately.	
D. Exhaust Flow Control	Damper (1VF11YA) open	s on high building pressure.	

Explanation:

The Supply Fan does not trip if the Exhaust Fan trips, instead it will cause pressure in the building to rise until the Supply Fan trips on high building pressure.

Answer	Reference:	Question Pedigree:
В	LP85449-01	New
Objective:	Cognitive Level:	Difficulty:
LP85449 .1.4.1	1	3.0

Question:	Exam	System	KA
# 40	ВОТН	290003	K6.01

Main Control Room Ventilation (VC) Train "A" was running in the NORMAL mode when Offsite Power was temporarily lost to the Division I 4160 kV bus 1A1. Vital bus power was promptly restored by the Emergency Diesel Generators.

Which of the following describes the Control Room HVAC system response to the Loss of Power?

A.	Train 'A' will automatically re-start in the NORMAL mode.
В.	Train 'B' will automatically start in the NORMAL mode.
C.	Train 'B' will automatically start immediately and Train "A" will automatically start when Bus 1A1 is re-energized.
D.	Neither train will automatically start. The operator will have to manually start a VC train.

Explanation:

VC does not have an auto start.

Answer	Reference:	Question Pedigree:
D	LP85447-03	CPS Exam Bank Question #7191
Objective:	Cognitive Level:	Difficulty:
	1	3.0

	2001 IL		
Question:	Exam	System	KA
# 41	SRO	294001	2.1.4
The plant is at rated condi-	tions.		
Which of the following de	scribes the minimum Tech	Spec manning requirements	s for the position listed?
A. One Chemistry Technician present on site.			
B. One Radiation Protection Technician present on site.			
C. Two Reactor Operators present in the Main Control Room.			
D. Two Non-Licensed O	perators present in the Pow	er Block.	

Explanation:

A.	Chemistry Technician not required			
C.	Only one Reactor Operator required in the Control Room			
D.	Non-Licensed Operators are required to be on-site.			
Answer	Reference:	Question Pedigree:		
В	Tech. Spec. Section 5.2.2	New		
Objectiv	e: Cognitive Level:	Difficulty:		
LP87592	2.1.1 1	2.0		

Que	estion:	Exam	System	KA	
# 42	2	BOTH	294001	2.1.8	
Per	Performance of 9813.01, Control Rod Scram Timing, requires:				
A.	A. Notification and written approval of the RO "at the controls".				
В.	Written approval of the	he Control Room S	Supervisor and notification o	f the RO "at the controls".	
C.	Written approval of the	he Work Coordina	tion Supervisor and notificat	ion of the RO "at the controls".	
D.	Notification and writh	ten approval of the	Work Week Manager.		

Explanation:

CRS approval an	d RO notification is required.	
Answer	Reference:	Question Pedigree:
В	CPS 1001.05 Rev. 8	CPS Exam Bank Question #3764
		Modified
Objective:	Cognitive Level:	Difficulty:
	1	3.0

Question:	Exam	System	KA	
# 43	BOTH	294001	2.1.14	
What is the minimum r	required power chan	ge within 1 hour requiring Ch	emistry notification?	
A. 5%				
B. 10%				
C. 15%				
D. 20%				

Explanation:

When power is changed by more than 15% in 1 hour, notify Chemistry to perform applicable sections of CPS 9940.01, Weekly Chemistry Surveillance Log.

Answer	Reference:	Question Pedigree:
С	CPS 3005.01 Rev. 23a	New
	CPS 3006.01 Rev. 29	
Objective:	Cognitive Level:	Difficulty:
5	1	2.5

	200			
Question:	Exam	System	KA	
# 44	SRO	294001	2.1.22	
• Reacto	or water level is minus 15 inches ar	nd lowering at 1 inch per m	inute.	
• Imme	diate operator actions for scram hav	ve been performed.		
• Reacto	or Power is 30%.			
What mode	e is the plant in and what procedure	e would mitigate the severi	ty of the transient?	
A. Mode	1, EOP1, RPV Level Control			
B. Mode	1, EOP1A, ATWS RPV Control			
C. Mode	3, EOP1, RPV Level Control			

Explanation:

Immediate operator actions for scram require mode switch to be placed in Shutdown. Mode 3 Mode Switch in Shutdown and Temperature greater than 200°F EOP-1A Scram required and reactor power greater than 5% and Shutdown criteria not met.

Answer	Reference:	Question Pedigree:
D	CPS 4100.01 Rev. 17	New
	T.S. Definitions 1.1	
Objective:	Cognitive Level:	Difficulty:
LP87553 .1.1	2	3.0
LP87620.1.2		

		-			
Que	estion:	Exam	System	KA	
# 4	5	SRO	294001	2.2.5	
Wh	Which of the following procedure changes requires a 50.59 evaluation?				
A.	Correcting step nun	bers in a procedu	ure note.		
В.	Adding a new valve	stroke time to ch	neck.		
C.	Adding a drawing o	r figure for clarif	ication.		
D.	Correcting organiza	tional titles.			

Explanation:

A, C, & D are administrative changes.

Answer	Reference:	Question Pedigree:
В	CPS 1005.06 F001 Rev. 4	New
Objective:	Cognitive Level:	Difficulty:
	1	2.5

	2001	ILI LAAIII		
Questic	on: Exam	System	KA	
# 46	SRO	294001	2.2.25	
During certain conditions, RTP is required to be less than 25%.				
-)		p:::•u=:• u::u; =) :::u		
A. 1) 2)	Reactor pressure < 785 psig OR $< 10\%$ G Full scale ATLAS test data indicates that	core flow; t damage would not	occur unless thermal nower was >	
2)	50% RTP for these conditions.			
B. 1) 2)	Reactor pressure < 785 psig AND < 10% Full scale ATLAS test data indicates tha 50% RTP for these conditions.	6 core flow t damage would not	occur unless thermal power was >	
C. 1) 2)	Reactor pressure < 785 psig OR < 10% of GE critical power correlations indicate the thermal power was > 50% RTP for these	core flow; hat onset of transition e conditions.	n boiling would not occur unless	
D. 1) 2)	Reactor pressure < 785 psig AND < 10% GE critical power correlations indicate thermal power was > 50% RTP for these	6 core flow hat onset of transition e conditions.	n boiling would not occur unless	

Explanation:

- T.S. 2.1.1.1 states "with reactor steam domw pressure < 785 psig <u>or</u> core flow < 10% rated core THERMAL POWER shall be \leq 25% RTP." T.S. 2.1.1.1. bases states "For operation at low pressures or low flows the full scale ATLAS test 1)
- 2) is used."

Answer	Reference:	Question Pedigree:
Α	TS 2.1.1 and bases	New
Objective:	Cognitive Level:	Difficulty:
LP87621.3.1	2	4.0

Clinton Power Station

Quest	tion:	Exam	System	KA		
# 47		вотн	294001	2.2.28		
• P	Plans are underway to	withdraw the rod with the	highest reactivity worth for	SDM verification.		
• P	Personnel are working	g on the bridge above the c	ore.			
Whic work	h of the following de on the bridge during	scribes the lowest permission the rod withdrawal?	ble water level to permit the	e personnel to continue		
A. <i>A</i>	Above the main steam	n lines				
B. A	At the RPV flange					
C. 2	22 ft. 8 in. above the I	RPV flange				
D. 2	23 ft. above the RPV	flange				

Explanation:

In accordance with CPS 3703.01 Precaution 4.15 "Whenever a control rod surrounded by fuel is being withdrawn, all personnel shall be at least out of line-of-sight of the core unless: Reactor Cavity is flooded to 22' 8" above the RPV flange.

Answer	Reference:	Question Pedigree:
С	CPS 3703.01 Rev.22b	New
Objective:	Cognitive Level:	Difficulty:
	1	3.0

		4	2001 ILT Exam		
Que	estion:	Exam	System	KA	
# 48	8	SRO	294001	2.3.1	
Giv	Given that a 22 year old operator is working in a radiation field under the following conditions:				
	Ich is in a 20 mr	em/hr radiation area			
•	JOU IS III a 20 IIII				
• Sele adn	 No dose extension has been authorized. Select the number of hours the operator may work in the radiation area without exceeding the administrative limit for the year? 				
A.	A. 3				
B.	B. 28				
C.	53				
D.	103				

Explanation:

Administrative limit is 2000 mrem/yr. This leaves the operator with 1060 mrem available, 1060 mrem / 20 mrem/hr = 53 hrs.

Reference:	Question Pedigree:
1024.15 Rev. 14	CPS Exam Database Question #6984
	Modified
Cognitive Level:	Difficulty:
2	3.5
	Reference: 1024.15 Rev. 14 Cognitive Level: 2

Clinton Power Station

		2001	ILI L'Adill	
Que	estion:	Exam	System	KA
# 49 BOTH 294001 2.3.2		2.3.2		
An For	An operator has a clearance that requires second or independent verification. For which of the following conditions can the Tagging Authority waive independent verification?			
A.	A. A Danger tag to be hung on the 1E12-F006B shutdown cooling suction valve handwheel			
B. A Danger tag to be hung on the 1CP-MV1A condensate polisher A inlet valve control switch at 1PL03J, TB 712'.				
C.	C. A Special Condition tag to be hung on the 1CO01T CO2 compressor disconnect switch			
D.	D. A Special Condition tag to be hung on the breaker for 1WS002A at Screenhouse MCC 1A.			

Explanation:

The Tagging Authority may waive verification requirements when verification may incur radiation exposure in excess of 10 mRem.

Answer	Reference:	Question Pedigree:
Α	1014.01, 8.5.3 Rev. 31a	NEW
Objective:	Cognitive Level:	Difficulty:
	2	2.8

Question:	Exam	System	KA
# 50	SRO	294001	2.3.9
In accordance with the Caution in the EOP Support Procedure, what is the maximum area temperature at which SGTS may be used in Containment Purge mode to avoid igniting the charcoal bed?			
A. 451°F			
B. 330°F			
C. 212°F			
D. 140°F			

Explanation:

Caution in CPS 4411.06 states "Do <u>not</u> use SGTS if evacuated area is >212°F due to potential to ignite the charcoal beds.

Answer	Reference:	Question Pedigree:
С	4411.06 section 2.8 Rev. 4	CPS Exam Bank Question #4151
		Modified
Objective:	Cognitive Level:	Difficulty:
LP87558.1.3.6	1	2.0

	20		
Question:	Exam	System	KA
# 51	ВОТН	294001	2.3.10
Annunciator 505	0-7M HI RADIATION CO	NT RM HVAC SYS DIV 1	has alarmed.
Associated moni	tors are reading.		
PR009A	10mR/hr		
PR009B	11 mR/hr		
PR009C	5 mR/hr		
PR009D	3 mR/hr		
From the information listed above, and the attached page from CPS 3402.01 determine the correct lineup the minimum air dampers should be placed in.			
A. 0VC01YA open; 0VC01YB closed			
B. 0VC01YA c	B. 0VC01YA open; 0VC01YB open		
C. 0VC01YA c	closed; 0VC01YB open		
D. 0VC01YA c	D. 0VC01YA closed; 0VC01YB closed		

Explanation:

In accordance with CPS 3402.01, the minimum air damper with the lowest radiation level should be the damper that is opened.

Answer	Reference:	Question Pedigree:
Α	3402.01 section 8.3.3.7 and 8 Rev.	New
	18c	
Objective:	Cognitive Level:	Difficulty:
LP85447 .1.4.1	2	3.0

Question:	Exam	System	KA
# 52	вотн	294001	2.4.12
Identify the lowest emergency classification for which OSC personnel are to automatically report to the OSC.			
A. Unusual Event			
B. Alert			
C. Site Area Emergency			
D. General Emergency			

Explanation:

In accordance with the E-Plan section 3.1.3.2, "The OSC shall be activated and staffed in a timely manner
for an ALERT, SITE AREA EMERGENCY, and GENERAL EMERGENCY.AnswerReference:Question Pedigree:BE-Plan section 3.1.3.2CPS Exam Bank Question #9079Objective:Cognitive Level:Difficulty:LP87536 .1.4.112.8

Question:	Exam	System	KA
# 53	вотн	294001	2.4.25
What is the position of the following valves when Fire Protection is being used as an alternate source of injection into the RPV?			

1SX014B, PSW To SSW 1B Hdr Isol Vlv

1E12-F003B, RHR B Hx Outlet Valve

	<u>1SX014B</u>	<u>1E12-F003B</u>	
A.	Open	Open	
B.	Open	Closed	
C.	Closed	Open	
D.	Closed	Closed	

Explanation:

1SX014B is open to allow flow from Plant Service Water to Shutdown Service Water.

1E12-F003B is closed to prevent water from backflowing through the valve to the suppression pool.

Answer	Reference:	Question Pedigree:
B	4411.03 Appendix B, Rev. 6	New
Objective:	Cognitive Level:	Difficulty:
LP87552.1.10	1	4.0

		2001 11		
Question:		Exam	System	KA
# 5	4	SRO	294001	2.4.36
Ap	plant transient has occu	rred. The following condit	tions exist:	
•	RPV level is -55" wi	de range and lowering at 1 ³	"/min.	
•	HPCS failed to start.			
•	RPV pressure is being	g maintained 800-1065 psi	g with Bypass Valves.	
•	• Drywell pressure is 2.13 psig and rising at 1 psig/5 min.			
•	• Containment pressure is 0.1 psig and stable.			
•	• Immediate actions for Scram Off-Normal are complete.			
Wł	nich of the following ta	sks should chemistry be di	rected to perform?	
A.	A. Obtain reactor coolant sample at Reactor Sample Station, 1G33-Z020.			
B.	B. Obtain reactor coolant sample at PASS panel 1PS02J/3J.			
C.	Obtain Drywell atmo	sphere sample at 1RIX-PR	023, Drywell CAM, sample	point.
D.	D. Obtain Drywell hydrogen sample at PASS panel, 1PS02J/3J.			

Explanation:

Incorrect

A. & C. Containment is evacuated.

D. DW hydrogen is not sampled @ PASS panel and H2O2 monitors should be available. Correct

B. Scram/Unit Shutdown requires a coolant sample.

Answer	Reference:	Question Pedigree:
В	3006.01 Rev. 29	New
Objective:	Cognitive Level:	Difficulty:
	1	4.0

		2001 IL			
Que	estion:	Exam	System	KA	
# 5:	5	вотн	295002	AK2.07	
Wh	What is the operational impact of high condensate system temperature on the off-gas system?				
A.	Rising recombiner con	ndenser drain flow.			
B. Intercondenser chugging and loss of condenser vacuum.					
C.	Rising intercondenser	drain flow.			
D.	Recombiner condense	er chugging and loss of con-	denser vacuum.		

Explanation:

High condensate system temperature can cause unstable steam condensation in the SJAE intercondenser. This phenomen is known as chugging. SJAE chugging can cause a loss of the intercondenser loop seal, resulting in a loss of main condenser vacuum.

Answer	Reference:	Question Pedigree:
В	LP85271-02	CPS Exam Bank Question #7417
		Modified
Objective:	Cognitive Level:	Difficulty:
LP87271 .1.6.21	1	2.8

Clinton Power Station

		Z	UUT ILT EXAIII		
Que	estion:	Exam	System	KA	
# 5	6	вотн	295003	AA2.04	
AS	Station Blackout has occ	curred.			
Div	vision I Diesel Generato	r is ready to be s	started to re-energize a dead E	CCS bus.	
Wh reas	tich of the following des son for those actions?	scribes the action	ns that would be taken before :	starting the Division I DG and the	
A.	A. Secure the RCIC Gland Seal Compressor; ensures adequate field flashing current is available to the DG when it is started.				
B.	B. Secure the RCIC Gland Seal Compressor; prevents the compressor from being load shed after the DG is started.				
C.	C. Secure the Emergency Bearing Oil Pump; reduces starting load on the DG, which could cause the DG to trip on undervoltage.				
D.	Secure the Emergency the DG is started.	Bearing Oil Pu	mp; to prevent it from shunt tr	ipping due to low voltage when	

Explanation:

In accordance with CPS 4200.01 "For DG 1A start during a SBO: Stop the RCIC Gland Seal Air Compressor to ensure sufficient DG 1A field flashing current on the DG 1A start sequence.

Answer	Reference:	Question Pedigree:
Α	CPS 4200.01 4.2.4	CPS Exam Bank Question #8382
		modified.
Objective:	Cognitive Level:	Difficulty:
LP87513 .1.2.4	2	2.8

Qu	estion:	Exam	System	KA		
# 5	7	вотн	295003	AK3.02		
An	An exciter fault occurs on "A" Circ Water Pump causing an overcurrent condition.					
Wh	at would be the expecte	ed response and	why?			
A.	The "A" Circ Water P	ump Breaker Tr	ips; to isolate the fault to prev	vent a loss of non-vital AC power.		
В.	The 6.9 Kv bus 1A loc	cks out; to isolate	e the fault to prevent a loss of	f non-vital AC power.		
C.	The "A" Circ Water P	ump Breaker Tr	ips; to isolate the fault to prev	vent a loss of vital AC power.		
D.	The 6.9 Kv bus 1A loc	ks out; to isolate	e the fault to prevent a loss of	f vital AC power.		

Explanation:B. Selective tripping will cause the "A" Circ Water Pump to trip before the 6.9 Kv bus locks out.C. & D. "A" Circ Water Pump & 6.9 Kv bus are non-vital.

Answer	Reference:	Question Pedigree:
Α	LP85738	New
Objective:	Cognitive Level:	Difficulty:
LP85738 .1.7	2	2.3

Que	stion:	Exam	System	KA	
# 58	6	вотн	295004	AK1.04	
A pl	ant transient has cause	ed DC MCC 1E to be supp	lied only from its battery.		
Whi	ch of the following ac	tions will NOT reduce bat	tery discharge rate?		
A.	A. Transfer UPS Bus 1A to its alternate source.				
B.	B. Secure the running Emergency Bearing Oil Pump.				
C.	C. Place the Battery Charger 1E switch in equalize.				
D.	Crosstie DC Distribut	ion Panel 1E with 1F supp	lying power.		

Explanation:

C This is a function of the battery charger and does not impact the battery because it is isolated from the charger.

Answer	Reference:	Question Pedigree:
С	CPS 3503.01 Rev 14	New
Objective:	Cognitive Level:	Difficulty:
	1	2.0

		200			
Que	estion:	Exam	System	KA	
# 59)	вотн	295006	AK3.01	
Which of the following describes the initial reactor water level response to a manual scram from rated conditions, and the reason?					
Indi	cated reactor water lev	el will			
A. lower due to the collapsing voids in the core region.					
B. lower due to the water discharge to the Scram Discharge Volume.					
C.	C. raise due to the lowering steam flow from the vessel.				
D.	raise due to the water	displaced by the inse	erting control rods.		

Explanation:

B Water discharged to scram discharge volume comes mainly from the hydraulic control units and is insignificant in volume compared the level reduction in the vessel.

C & D Level would initially lower due to voids collapsing.

Answer	Reference:	Question Pedigree:
Α	LP87512-03	New
Objective:	Cognitive Level:	Difficulty:
LP87512 .1.4.1	2	3.0

Question:	Exam	System	KA
# 60	вотн	295007	AK1.01
Which of the following de expected following auto ir	scribes the highest pressure nitiation?	where both LPCI and LPC	S injection flow is
A. 510 psig.			
B. 410 psig			
C. 310 psig.			
D. 210 psig.			

Explanation:

A, B, & C - LPCI flow begins at 225 psid vessel pressure above drywell pressure.

Answer	Reference:	Question Pedigree:
D	LP85205-05	New
Objective:	Cognitive Level:	Difficulty:
	2	3.5

Question:	Exam	System	KA	
# 61	вотн	295007	AK3.03	
The plant was operating at 100% power when a Group 1 isolation occurred. Along with SRVs, which of the following is the preferred method of decay heat removal and why?				
A. HPCS. This min	imizes SRV operation	l.		
B. HPCS. This minimizes moisture carryover.				
C. RCIC. This min	imizes SRV operation.			
D. RCIC. This min	imizes moisture carryo	over.		

Explanation:

In accordance with CPS 4100.01 RCIC is a major heat removal source and if it is preferred to keep RCIC running. By running RCIC it will act as pressure control to minimize the SRV lifting.

Answer	Reference:	Question Pedigree:
С	CPS 4100.01 Rev. 17	New
Objective:	Cognitive Level:	Difficulty:
LP85217 .1.1	2	3.0

Clinton Power Station

	2001 IL		
Question:	Exam	System	KA
# 62	SRO	295008	2.1.14
You are the Control Room	1 Supervisor		
• Reactor water level tr	ansient caused level to spik	te to 53 inches and then stat	bilize at 36 inches.
• No automatic action of	occurred.		
What procedure would be	required to be entered for t	hese conditions and who we	ould have to be notified?
A. CPS 4100.01, Reactor Scram; All onsite personnel via plant announcement.			
B. CPS 3103.01, Feedwater; All onsite personnel via plant announcement.			
C. CPS 4100.01, Reactor Scram; Plant Management only.			
D. CPS 3103.01, Feedwa	ater; Plant Management onl	у.	

Explanation:

Under these conditions a Reactor Scram should have occurred. Entry into CPS 4100.01 would be required. Annunciator CPS 5062-2D, REACTOR VESSEL WATER HIGH LEVEL 8 would have been received which directs the operator into CPS 4100.01, Reactor Scram.

Answer	Reference:	Question Pedigree:
Α	CPS 4100.01 Rev. 17	New
	CPS 1401.07 Rev. 1	
Objective:	Cognitive Level:	Difficulty:
LP87512 .1.1	2	4.0

Que	estion:	Exam	System	KA
# 63	3	вотн	295008	AK3.07
HPO	HPCS is injecting to the reactor when level rises to 55 inches.			
Wh	ich of the following is	the effect on HPCS and the	e reason why?	
A.	A. HPCS pump will trip to prevent overpressurizing the reactor vessel.			
B.	B. HPCS Pump will trip to prevent overflow into the steam lines.			
C.	HPCS injection valve	will shut to prevent overpr	essurizing the reactor vesse	1.
D.	HPCS Injection valve	will shut to prevent overflo	ow into the steam lines.	

Explanation:

A Level 8 signal is reached at 52 inches. In accordance with the Technical Specification bases the Level 8 signal is used to close the HPCS injection valve to prevent overflow into the main steam lines.

Answer	Reference:	Question Pedigree:
D	Tech Spec 3.3.5.1 bases	New
	LP85380-02	
Objective:	Cognitive Level:	Difficulty:
LP85380 .1.2.5	2	2.5

		200			
Ques	stion:	Exam	System	KA	
# 64		BOTH	295009	AK2.02	
•	The plant was at 100%	6 rated power.			
•	Feedwater Master Levinches.	vel Controller was i	n AUTOMATIC three ele	ement control with the tapeset at 3	35
Whi	ch of the following de	scribes the Feedwar	ter Level Control system	response to a valid Level 3 signal	?
The	Feedwater Level cont	rol system:			
A.	will attempt to mainta	in level at 35 inche	s as set in by the tapeset of	on the Master Level Controller.	
В.	will automatically shi	ft to the Startup Lev	vel Controller and will att	empt to maintain level at 18 inche	es.
C.	level DEMAND will	rise initially and the	en lower after 10 seconds	to a demand signal at 25 inches.	
D.	level DEMAND will	rise initially and the	en lower after 10 seconds	to a demand signal at 18 inches.	

Explanation:

FWLC is programmed to offset the initial shrink from the scram and then prevent a high level by changing its setpoint to a final value of 18 inches.

Answer	Reference:	Question Pedigree:
D	LP87570-01	CPS Exam Bank Question #3619
		modified
Objective:	Cognitive Level:	Difficulty:
LP87570.1.7.1	1	3.0

	2001 IL	I EXAIII	
Question:	Exam	System	KA
# 65	SRO	295011	2.4.11
A Station Blackout has oc	curred.		
How do you monitor conta	ainment temperature?		
A. DC powered temperature indication on Remote Shutdown Panel			
B. UPS powered recorders on P601			
C. UPS powered DCS displays			
D. IMs using RTD bridg	es		
 A. DC powered tempera B. UPS powered recorde C. UPS powered DCS di D. IMs using RTD bridg 	ture indication on Remote S ers on P601 isplays	Shutdown Panel	

Explanation:

A., B., & C. Power will not be available to read these temperatures.

Answer	Reference:	Question Pedigree:
D	4200.01 Rev. 14	New
Objective:	Cognitive Level:	Difficulty:
LP87513 .1.6	1	3.5

Question:	Exam	System	KA
# 66	вотн	295012	AA1.01
A plant transient has crea	ted the following conditions	5:	
• Drywell Pressure 1.9	7 psig		
• Drywell Temperature	e 156°F		
• A loss of all Drywell	Cooling		
Which of the following sl	hould be used to re-establisl	n Drywell Cooling?	
A. VP if interlocks are o	lefeated.		
B. VP if the shunt trips are reset.			
C. VP & WO if interloc	ks are defeated.		
D. VP & WO if interloc	ks are defeated and shunt tr	ips reset.	

Explanation: D The VP & WO Interlocks need to be defeated as spelled out in EOP-6, the shunt trips need to be reset due to the high Drywell Pressure.

Answer	Reference:	Question Pedigree:
D	CPS 4410.00C006 Rev. 5	New
Objective:	Cognitive Level:	Difficulty:
	2	2.0

	2001 IL			
Question:	Exam	System	KA	
# 67	SRO	295005	AA2.04	
From 100% power, a scrat following:	m generated by Scram Disc	harge Volume High Water I	Level results in the	
• Control rods DO NO	Γ insert fully			
• Reactor power 100%				
• MSIVs remain open; setpoint of 944 psig.	• MSIVs remain open; Main Turbine remains on line with a Steam Bypass and Pressure Control setpoint of 944 psig.			
Before any operator action 54 inches.	Before any operator action is taken, a malfunction of the feedwater system results in RPV level rising to 54 inches.			
For the given sequence of	events, the Main Turbine v	vill		
A. Remain on line, and r	eactor pressure will stabiliz	e at approximately 945 psig	r •	
B. Remain on line, and r	eactor pressure will stabiliz	e at approximately 963 psig	r •	
C. Trip; bypass valves w	ill open fully, and reactor p	pressure will rise until SRV(s) open.	
D. Trip; bypass valves w	ill open, and reactor pressu	re will stabilize at approxim	nately 963 psig.	

Explanation:

The Main Turbine will trip at 52 inches RPV level and power will remain above the bypass valve capacity causing pressure to rise to the SRV setpoints.

Answer	Reference:	Question Pedigree:
С	LP85245-01	CPS Exam Bank Question #20982
	LP87241-01	
	LP85239-05	
Objective:	Cognitive Level:	Difficulty:
LP87241 .1.5.4	2	3.0
LP85245 .1.25		

		200			
Qu	estion:	Exam	System	KA	
#6	8	SRO	295014	AA2.02	
ΑF	X startup is in progres	ss with the following	g conditions:		
•	Below the point of ad	lding heat			
•	No rod motion is curr	ently being perform	ed		
•	Annunciator 5005-2k	SRM period is reco	eived		
•	• DCS indication for SRM 'A' shows a 15 sec. period.				
•	Operator verifies no n	od movement.			
Fro	m this information det	ermine what proced	ure should be entered.		
A.	CPS 4007.02 Inadver	tent Rod Movement	i.		
В.	CPS 4007.03 Rod Dr	ор			
C.	CPS 3304.02, Rod Co	ontrol and Information	on System		
D.	CPS 3304.01 Control	Rod Hydraulic and	Control		

Explanation:

From CPS 4007.02 Rod Drop a symptom of rod drop is short period < POAH. No rod drift alarms have been received. CPS 3304.01 and 3304.02 would provide no benefit.

Answer	Reference:	Question Pedigree:
В	CPS 4007.03 Rev. 7	New
Objective:	Cognitive Level:	Difficulty:
LP87507 .1.1	1	3.0

	20		
Question:	Exam	System	KA
# 69	вотн	295015	AK2.03
Following a scram sig	gnal:		
• Rod 24-29 is at p	oosition 48		
• Rod 36-17 is at p	position 28		
• Rod 44-33 is at p	position 00		
For these three rods v	vhat would be the LED	indication on the Full Core	Display?
Ro	d Rod	Rod	
24-	29 36-17	44-33	
A. Gre	een Red & Gree	en Red	
B. Re	d Blank	Red	
C. Gre	een Red & Gree	en Green	
D. Re	d Blank	Green	

Explanation:

Rod 24-29 is Full-Out and would have the Full-Out "Red" LED lit.

Rod 36-17 is neither Full-Out nor Full-In so it would have no LEDs lit.

Rod 44-33 is Full-In and would have the Full-In "Green" LED lit.

Answer	Reference:	Question Pedigree:
D	LP87401-02	New
Objective:	Cognitive Level:	Difficulty:
	1	2.0

		2001 1			
Que	estion:	Exam	System	KA	
# 70)	ВОТН	295015	AK3.01	
An perf	An ATWS has occurred. CPS procedure 4411.08 Alternate Control Rod Insertion is being used to perform manual control rod insertion. Why must the Rod Pattern Controller (RPC) be defeated and how is this accomplished?				
A.	A. ATWS rod positions may not match rod pattern in RCIS. Signal for Turbine First Stage pressure to RCIS is changed to indicate HIGHER power.				
B.	ATWS rod positions RCIS is changed to in	may not match rod patterr ndicate LOWER power.	n in RCIS. Signal	for Turbine First Stage pressure to	
C.	Position indication to Pressure to RCIS is cl	rod pattern controller ma hanged to indicate HIGHI	y be lost due to scr ER power.	am. Signal for Turbine First Stage	
D.	Position indication to Pressure to RCIS is cl	rod pattern controller ma hanged to indicate LOWE	y be lost due to scr CR power.	am. Signal for Turbine First Stage	

Explanation:

The Control Rod Pattern does not match the pattern restraints of the Pattern Controller at high powers. The Pattern Controller uses Turbine First Stage Pressure to determine power with the Pattern Controller bypassed above 20% power.

Answer	Reference:	Question Pedigree:
Α	LP87401-02	New
	LP87553-05	
Objective:	Cognitive Level:	Difficulty:
LP87553 .1.5.3	2	3.3

Question:	Exam	System	KA	
# 71	вотн	295017	AA1.07	
Which of the following we	Which of the following would indicate a need to enter EOP-9, RADIOACTIVE RELEASE CONTROL?			
A. A high alarm reading on 0RIX-PR003, SGTS PRM.				
B. A high alarm reading on 0RIX-PR001, HVAC PRM.				
C. A SPDS SGTS release indicating 5.3 E-3 Ci/sec.				
D. A SPDS VENT STAC	CK release indicating 2.3 E-	-2 Ci/sec.		

Explanation:

EOP-9 requires entry at ALERT level, summation of all gaseous effluent releases >2.2 E-2 Ci/sec. SPDS calculates this as the sum of HVAC and SGTS release = Vent Stack.

Answer	Reference:	Question Pedigree:
D	LP87560-05	New
Objective:	Cognitive Level:	Difficulty:
LP87560.1.1	2	3.5
Clinton Power Station 2001 II T Fram

Question:	Exam	System	KA		
# 72	вотн	295019	AA1.01		
A plant transient has occu	rred with a Group 1 Isolati	ion. Current Plant Condition	is are:		
• Reactor Water Level	–50 inches and rising @ 3	inches per minute.			
• Reactor Pressure 950	psig and being controlled	by SRVs.			
Subsequent to that the fol	lowing annunciator was re-	ceived:			
5040-6F, HIGH/	LOW PRESS ADS 1A SU	PPLY DIV 1 OR 2			
ADS Instrument Air Hdr Pressure Indicators on P601 both read 148 psig and slowly lowering. From these indications what could be the possible cause of the annunciator?					
A. Compressed Gas Outboard Isolation Valves (1IA012A & 13A) automatically closed on Group 1.			y closed on Group 1.		
B. ADS Supply Header	Inboard Isolation Valves (1IA012B & 13B) automatica	Ily closed on Group 1.		
C. 1IA012A & 013A au	tomatically closed, and 11A	A012B & 013B switches we	e NOT in AUTO.		
D. 1IA012B & 013B aut	tomatically closed, and 11A	A012A & 013A switches we	re NOT in AUTO.		

Explanation:

- A These valves do not automatically close.B These valves automatically close on Group 2.
- C These valves are reversed see correct answer D
- D 12B & 13B closed on Level 2, and if the 12A & 13A switches were not in auto they would not open.

Answer	Reference:	Question Pedigree:
D	LP85301-03	New
Objective:	Cognitive Level:	Difficulty:
LP85301 .1.5.1	2	3.5

Clinton Power Station

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Que	stion:	Exam	System	KA	
# 73	i	вотн	295020	AK1.05	
Surv logio	veillance testing has pr c.	roduced a spuriou	s LOCA initiation logic sign	nal on the LPCS/RHR A initiation	
Shor was	Shortly after the spurious signal annunciator, 5050-5G LOW FLOW DW CHILLER 1A CHILLED WTR was received and Drywell Chiller 1VP04CA tripped				
Ifno	o operator action was t	taken what would	be the expected plant respo	nse?	
A.	A. Drywell temperature would rise and stabilize below any trip setpoints because supplemental drywell cooling is still in service.				
B.	B. Drywell temperature and pressure would rise until a valid high drywell pressure signal would be received.				
C.	C. 1VP01CB will automatically start to prevent the rise of drywell pressure and temperature.				
D	Temperature would in	nitially rise but M	ixing Compressors would a	utomatically start and ventilate the	

Explanation:

A supplemental Drywell cooling is not sufficient to stabilize temperature and pressure. C & D The Drywell Chillers and the Mixing Compressors do not automatically start.

Answer	Reference:	Question Pedigree:
В	LP85222-02	New
Objective:	Cognitive Level:	Difficulty:
LP85222 .1.4.2	1	3.3

Qu	estion:	Exam	System	KA
#7	4	вотн	295020	AK2.10
Fro Co	om the following, choose oling Water (CC) on the	se the consequence of an in e RE/RF System.	advertent containment isolat	ion of Component
A.	A. Loss of cooling water to the sump and drain tank pump bearings, allowing them to overheat with possible bearing and pump damage; without pumps flooding could occur.			em to overheat with
B.	B. High water temperature in the Drywell sump with possible flashing to steam resulting in leakage being collected as unidentified leakage when steam is condensed.			resulting in leakage
C.	2. Loss of cooling water to the sump and drain tank coolers, allowing hot water to be pumped to Radwaste which could cause personnel injury and/or equipment damage.			
D.	D. High water temperatures in the Containment Floor Drain Sumps with possible flashing to steam, resulting in rising area airborne activity and rising personnel exposure.			le flashing to steam,

Explanation:

- Α.
- Component Cooling Water does not cool the pumps. Hot water can be pumped to Radwaste without problems. C.
- Containment Floor Drain Sumps are not cooled by Component Cooling Water. D.

Answer	Reference:	Question Pedigree:
В	LP85304-01	CPS Exam Bank Question #8299
Objective:	Cognitive Level:	Difficulty:
LP85304 .1.4.7	2	3.5

Que	estion:	Exam	System	KA	
# 7	5	вотн	295021	AA1.01	
Wh the	Which of the following systems can alone provide an approved, alternate method of Shutdown Cooling if the RHR System is unavailable?				
A.	A. Low pressure core spray				
B.	B. Shutdown service water system				
C.	C. Control rod drive hydraulics				
D.	Reactor water cleanup)			

Explanation: RWCU is the only system listed that by itself will remove heat from the reactor.

Answer	Reference:	Question Pedigree:
D	LP87299-01	CPS Exam Bank Question #4025
Objective:	Cognitive Level:	Difficulty:
LP87299.1.5	1	2.6

Questic	on: Exam	System	KA	
# 76	вотн	295023	AA1.02	
Failure	of the Reactor Cavity Bello	ows could first be identified by whic	h of the following indications?	
	Fuel Pool Cooling	Drywell		
	Storage Tank Level	RF Sump Level		
А.	Lowering	Rising.		
B.	Lowering	Lowering.		
C.	Rising	Rising.		
D.	Rising	Lowering.		

Explanation: A failure of the reactor cavity bellows will result in FC water leaking into the Drywell.

Answer	Reference:	Question Pedigree:
Α	4011.01 Rev. 4	New
Objective:	Cognitive Level:	Difficulty:
LP87298 .1.1	2	2.5

		2001 ILT LAIII			
Que	estion: Exam	System	KA		
# 77	ВОТН	295023	AK1.01		
Cor	e Alterations are in progress.				
An the	An irradiated fuel bundle being moved from the reactor cavity to IFTS becomes ungrappled and falls into the reactor vessel downcomer area. (Between the vessel wall and the shroud)				
Whi	ich of the the following people would	d be at greatest risk of radiation of	overexposure?		
A. Operator in Fuel Building 755' el.					
B. Mechanic working on SRVs					
C.	C. Refuel SRO on the Bridge				
D.	D. IM Technician at SLC Skid.				

Explanation:

B Figure 11 of LP85449 shows the general location of each person. The mechanic would have the greatest risk because he could move into an area with very little shielding between him and the dropped fuel bundle. The other personnel have either large quantities of water or concrete as shielding.

Answer	Reference:	Question Pedigree:
В	LP85449-01, Figure 11	New
Objective:	Cognitive Level:	Difficulty:
	1	4.0

	-			
Question:	Exam	System	KA	
# 78	ВОТН	295024	EK1.02	
What is the limiting component for Containment Pressure ≥ 46 psig?				
A. Containment V	A. Containment Vent Valves.			
B. Containment E	quipment Hatch.			
C. Fuel Cladding.				
D. ECCS Pumps.				

Explanation: With pressure >45 psig the containment vent valves will not open and decay heat could not be removed.

Answer	Reference:	Question Pedigree:
Α	SAG Tech Bases	New
Objective:	Cognitive Level:	Difficulty:
LP87558 .1.8.5	1	2.7

		4			
Que	estion:	Exam	System	KA	
# 79)	SRO	295025	2.1.33	
The	The reactor is in Mode 2 with startup in progress:				
Wh	ich of the following wo	ould require Te	ch Spec Action Statement entry?		
A.	A. Reactor pressure rises to 1049 psig.				
B.	B. Reactor water level rises to 55 inches.				
C.	C. Reactor pressure lowers to 845 psig.				
D.	Reactor water level lo	wers to 10 inch	ies.		

Explanation:

Tech Spec LCO 3.4.12 states "The reactor steam dome pressure shall be ≤ 1045 psig. In modes 1 and 2.

Answer	Reference:	Question Pedigree:
Α	Tech Spec 3.4.12	New
Objective:	Cognitive Level:	Difficulty:
LP87625 .1.6.12	2	3.5

		2001 IL			
Quest	tion:	Exam	System	KA	
# 80		вотн	295025	EK2.08	
The p	The plant is operating at 30% power with the Pressure Regulator operating on Channel A.				
A fail preve	fure in the logic circu ents the fault detection	try causes Channel A to fa a logic from placing Chann	el B in control.	sure error signal), and also	
Which one of the following actions is likely to occur?					
А. 7 с	The RGLTR ERROR constant.	light will illuminate and th	e TCVs will fail as is. Read	ctor pressure remains	
В. Т	The TCV's and Bypas	s Valves will fully open. I	Reactor pressure goes down		
С. Т	The TCVs will close a	and the Bypass Valves remained	ain closed. Reactor pressure	e goes up.	
D. 1	The TCVs will close a	and the Bypass Valves will	open. Reactor pressure ren	nains constant.	

Explanation:

A – would be true for failure of channel B

B – would be true for the signal failing to maximum.D – would be true for a load limit signal failure.

Answer	Reference:	Question Pedigree:
С	LP87241-01	CPS Exam Bank Question #6599
		Modified
Objective:	Cognitive Level:	Difficulty:
LP87241 .1.5.2	2	3.3

	20				
Que	estion: Exam	System	KA		
# 81	SRO	295026	2.1.14		
The	plant is operating at 100% power in the n	middle of summer.			
•	Several SRVs are leaking.		Provide Tech Spec 3.6.2.1		
•	Yesterday at 1500 Suppression Pool tem	perature was 97°F			
•	• Today at 1500 Suppression Pool temperature is 98°F				
Whi	Which of the following describes the required actions and personnel that must be notified?				
A. CPS 4100.01, Reactor Scram; Plant Management only.					
B.	B. CPS 3006.01, Unit Shutdown; Plant Management only.				
C.	CPS 4100.01, Reactor Scram; All onsite	personnel via a plant anno	uncement.		
D.	CPS 3006.01, Unit Shutdown; All onsite	e personnel via a plant anno	puncement.		

Explanation:

The LCO completion time for high suppression pool temperature has been exceeded causing entry into CPS 3006.01. Entry into CPS 3006.01 is considered a significant plant evolution which should be announced over the Gaitronics per CPS 1401.07.

Answer	Reference:	Question Pedigree:
D	Tech Spec 3.6.2.1	New
Objective:	Cognitive Level:	Difficulty:
LP87627.1.2.9	2	3.0

Questi	on: Exan	n	System	KA
# 82	SRO	1	295026	EA2.03
				Provide copy Figure P
Which	of the following conditio	ns allow exceeding 10	00°F/hr cooldown rate?	
	Suppression Pool	Suppression Pool	Reactor	
	Temperature	Level	Pressure	
	1 • p • 1 avai •	20101	11000010	
A.	140°F	16 ft	1000 psig	
			1 5	
B.	150°F	19 ft	700 psig	
			1 5	
C.	150°F	18 ft	600 psig	
			1 8	
D.	160°F	19 ft	400 psig	
			1 8	

Explanation:

B.	150°F and 700 psig places the plant below the 18 ft 11 in line.	(19 ft would use 18 ft 11 in line)
----	---	------------------------------------

C. 150°F and 600 psig places the plant below the 17 ft line. (18 ft would use 17 ft line)

D.	160°F and 400 psig places the plant below the 1	8 ft 11 in line. (19 ft would use 18 ft 11 in line)
Answer	Reference:	Question Pedigree:
Α	CPS 4402.01 Rev. 25 (EOP-6)	New
Objectiv	e: Cognitive Level:	Difficulty:
·	2	3.0

	2001 IL	I L/Aum	
Question:	Exam	System	KA
# 83	вотн	295027	EA2.04
A rupture in which of the levels in containment?	following components woul	d be indicated by high temp	perature and radiation
A. RCIC Rupture Disc			
B. RT Heat Exchanger F	Relief		
C. Inboard MSIV, 1B21	-F022B		
D. CCW Return Line CM	MT Inboard Valve, 1CC05	3	

Explanation:

- RCIC Rupture Disc is not in Containment A.
- C. D. Inboard MSIV, 1B21-F022B is in the Drywell CCW Return Line CNMT Inboard Valve 1CC053 is a low energy system that would not give an indication of high temperature.

Answer	Reference:	Question Pedigree:
B	LP85204-07 & LP86204-05	New
Objective:	Cognitive Level:	Difficulty:
	2	2.5

	2001 IL		
Question:	Exam	System	KA
# 84	вотн	295027	EK1.02
The following conditions	are observed following a Lo	oss of Coolant Accident:	
• Reactor Pressure 50	psig.		
Drywell Temperature	e 225°F		
Containment Temper	ature 135°F		
Level instruments indicat	e as follows:		
Narrow Range Level	2 inches		
• Shutdown Range Lev	vel 22 inches		
• Wide Range Level	-35 inches		
• Fuel Zone Level -14	12 inches		
Which of the following w	ould be the preferred level i	instrument to monitor?	
A. Narrow Range Level			
B. Shutdown Range Lev	/el		
C. Wide Range Level			
D. Fuel Zone Level			
<u> </u>			

Explanation:

A & B In accordance with EOP-1 Figure A these instruments are below their usable level for the conditions.

D. Fuel Zone should not be used as long as Wide Range Level is available, and it is.

Answer	Reference:	Question Pedigree:
С	CPS 4401.01 Rev. 25 (EOP-1)	New
Objective:	Cognitive Level:	Difficulty:
LP85423 .1.8.7	2	3.3

		2001 IL			
Que	estion:	Exam	System	KA	
# 85	5	SRO	295030	EA2.02	
Sup	Suppression Pool Level is 11 inches below normal pool level.				
Unc	ler this condition, whe	re can Suppression Pool Te	mperature be read accuratel	y?	
A.	SPDS or P678				
B.	P678 or P601				
C.	SPDS Only				
D.	P678 Only				

Explanation:

EOP-6 states that if Suppression Pool Level drops below 18 ft. 6 in. read pool temperature on P678 or SPDS. Normal pool level is 18 ft. 11 in. to 19 ft. 5 in.

Justification for SRO Only: Condition is only addressed by an EOP subsequent step.

Answer	Reference:	Question Pedigree:
Α	CPS 4402.01 Rev. 25 (EOP-6)	New
Objective:	Cognitive Level:	Difficulty:
LP87558 .1.4	2	2.5

Clinton Power Station 2001 II T Fram

	2001 IL		
Question:	Exam	System	KA
# 86	вотн	295030	EK2.03
• The plant was operati	ng at 50% power when a L	OCA occurred.	
• LPCS is injecting to t	he reactor.		
Suppression pool leve	el is lowering.		
Which of the following is expected to occur?	the highest suppression poo	ol level that damage to the L	PCS pump would be
A. 8 feet			
B. 10 feet			
C. 12 feet			
D. 14 feet			

Explanation:

In accordance with Detail Z the Minimum Suppression Pool Level for LPCS Pump is 11 ft., therefore: A & B are below the Minimum level with B being the highest.

C & D are above the minimum level and would not cause damage.

Answer	Reference:	Question Pedigree:
В	CPS 4402.01 Rev. 25 (EOP-6)	New
Objective:	Cognitive Level:	Difficulty:
	1	2.5

	2001 IL		
Question:	Exam	System	KA
# 87	ВОТН	295031	2.4.11
The plant was operating a	t 100% reactor power when	a Feedwater transient occu	rred.
Upon stabilization of the p	plant the following conditio	ns exist:	
• Reactor Power 63%			
• Reactor Water Level	18 inches narrow range		
Reactor Recirc pumps	s in slow speed		
The operator notices the f	ollowing annunciators have	been received:	
5002-2Q, RX W	ΓR LEVEL HI-LO		
5004-1B, DIV 1	OR 4 RX VESSEL LO LV	L TRIP	
5004-1B, DIV 2	OR 3 RX VESSEL LO LV	L TRIP	
Based on the information	above, which of the followi	ng would be the next actior	n to take?
A. Lower the Master Lev	vel Control Tape Set to 18 i	nches, and Reset the "Setpo	int Setdown" Logic.
B. Immediately enter EC	DP-1A, ATWS RPV CONT	ROL	
C. Place the Mode Switc	h in SHUTDOWN		
D. Trip both Reactor Rea	circ pumps.		

Explanation:

The annunciators indicate that a valid Scram signal (Level 3) occurred and the reactor did not automatically scram, so a manual scram should be inserted by placing the mode switch in shutdown.

Answer	Reference:	Question Pedigree:
С	CPS 4100.01 Rev. 17	CPS Exam Bank Question #0045
		Modified
Objective:	Cognitive Level:	Difficulty:
	1	2.5

		-	2001 ILI LAam		
Que	estion:	Exam	System	KA	
# 8	8	вотн	295032	EK2.04	
٠	The reactor is operating	ng at 78% react	or power in a normal plant con	figuration.	
•	• The Main Steam Line Tunnel temperature alarm has initiated and now reads 176 degrees F.				
Wh	ich of the following sy	stems would in	nmediately isolate in response t	o this high temperature?	
A.	Main Steam, RCIC				
B.	Main Steam, RWCU				
C.	RCIC, Feedwater				
D.	RWCU, Feedwater				

- Explanation:A. The RCIC isolation has a 28 minute time delay.C. & D. Feedwater does not isolate on this signal.

Answer	Reference:	Question Pedigree:
В	Tech. Spec. table 3.3.2-2	CPS Exam Bank Question #3746
Objective:	Cognitive Level:	Difficulty:
	1	2.8

		2001 ILI LAIII			
Qu	estion: Exam	System	KA		
# 8	9 SRO	295033	EA2.03		
Th	e plant is operating at 100% with	the following:			
•	RP has conducted routine surve	eys and found the following:			
	- 15 mr/hr field in the aux. E	Bldg. East access aisle el 737'.			
	- 20 mr/hr field in the LPCS	Pump Room.			
	- 35 mr/hr field in the RHR	B Pump Room.			
•	• Fuel Building exhaust radiation is reading 5 mr/hr and trending upward.				
•	• RWCU pump room A area temperature alarms and is reading 132°F.				
• Aux Bldg Steam Tunnel is reading 99°F.					
Wł	nat actions should be taken?				
A.	Enter EOP-8 Secondary Contai	nment Control and isolate RWCU.			
B.	Enter EOP-8, Secondary Conta	inment Control and start SGTS.			
C.	Enter EOP-3, Emergency RPV	Depressurization (Blowdown) and e	vacuate the Containment.		
D.	Enter EOP-1, RPV Level Contr	ol and turn the Mode Switch to Shut	down.		

Explanation:

- Fuel Bldg exh rads are not high enough (10 mr/hr) to isolate Fuel Bldg Ventilation and start В. SGTS.
- Need 2 Max Safe Levels to enter EOP-3, currently do not have any. Need 1 Max Safe Level to enter EOP-1, currently do not have any. C.
- D.

Answer	Reference:	Question Pedigree:
Α	CPS 4406.01 Rev. 25 (EOP-8)	New
Objective:	Cognitive Level:	Difficulty:
	2	3.5

		2001 11			
Que	estion:	Exam	System	KA	
# 9 ()	вотн	295034	EK1.02	
Fue	Fuel Building exhaust radiation level is currently 6 mr/hr.				
What	at would be the operation	ional implications if the rad	diation levels were to doub	le?	
A.	A. Primary Containment integrity would be lost.				
В.	B. Secondary Containment integrity would be lost.				
C.	C. Equipment area temperatures would approach design limits.				
D.	D. Ground level radiation release would approach release limits.				

Explanation:

Fuel Bldg Ventilation trips on a high rad condition of 10 mr/hr. SGTS starts to maintain Secondary Containment Integrity but does not provide the same capacity as the Fuel Bldg Ventilation, so area temperatures could rise.

Answer	Reference:	Question Pedigree:
С	LP85449-01	New
Objective:	Cognitive Level:	Difficulty:
LP85449 .1.6.3	2	3.8

Question:	Exam	System	KA	
# 91	SRO	295036	2.4.10	
Which of the following "HIGH-HIGH FLR/EQUIP DRAIN SUMP" alarms would indicate primary system leakage from the RCIC Turbine AND which procedure would require entry?				
A. Auxiliary Building; E	OP-8, Secondary Containm	nent Control		
B. Fuel Building; EOP-8	8, Secondary Containment (Control		
C. Auxiliary Building; E	OP-6, Primary Containmer	nt Control		
D. Fuel Building; EOP-6	6, Primary Containment Con	ntrol		

Explanation:

RCIC high sump alarm inputs to HIGH-HIGH FLR/EQUIP DRAIN SUMP AUX BLDG (5013-5D). EOP-8 entry is required if RCIC pump room sump is alarming.

The entire Fuel Bldg is located within the secondary containment. The RCIC suction and test return piping are routed through the Fuel Bldg to the RCIC storage tank.

Answer	Reference:	Question Pedigree:
Α	CPS 5013.05 Rev. 27	New
Objective:	Cognitive Level:	Difficulty:
	2	3.0

Clinton Power Station

Question:	Exam	System	KA		
# 92	SRO	295036	EA2.02		
The plant is operating	at 100 % power.				
Prerequisites for RHR	"A" Pump Operab	ility have been completed.			
When the RHR 'A' Pu there is water spraying	When the RHR 'A' Pump is started the 'C' Area operator reports that a water hammer has occurred and there is water spraying from the RHR Pump Discharge Check Valve.				
The 'A' Reactor Opera	tor reports that sup	ppression pool level is 18.8 ft and	lowering at 0.1 ft/min.		
Of the following, what	are the appropriate	e actions?			
A. Immediately scran	A. Immediately scram the reactor and BLOWDOWN.				
B. Immediately scram the reactor and dump the upper pools.					
C. Stop the RHR 'A' Pump, isolate RHR 'A' system from the suppression pool and dump the upper pools.					
D. Stop the RHR 'A' pool level.	Pump, isolate RH	R 'A' system from the suppressio	n pool and restore suppression		

Explanation:

In this situation the RHR "A" system can be isolated from the suppression pool and the suppression pool level restored. Therefore the following are incorrect because:

- A. Would only be necessary if pool level could not be held above 15 ft. 1 in.
- B. Would only be necessary if pool level was approaching 15 ft. 1 in.
- C. Do not need to dump the upper pools at this time.

Answer	Reference:	Question Pedigree:
D	CPS 4402.01 Rev. 25 (EOP-6)	New
Objective:	Cognitive Level:	Difficulty:
	2	3.0

		200			
Que	estion:	Exam	System	KA	
# 93	3	BOTH	295037	EA1.04	
You have been directed to initiate Standby Liquid Control. You turn the keylock switch for the SLC pump 'A' to on. You note that the explosive valve fires, but SLC Pump 'A' did not start.					
Wh	y hasn't SLC Pump 'A	' started?			
A.	A. RWCU Outboard Isolation Valve has not yet closed.				
B.	B. RWCU Inboard Isolation Valve has not yet closed.				
C.	C. SLC Storage Tank Outlet Valve has not yet fully opened.				
D.	The SLC Pump disch	arge valve is closed.			

Explanation:

Incorrect A, B, D None of these provides input to the SLC Pump start circuitry.

- Correct
 - The pump will not start until it has a suction path available, so the Storage Tank Outlet Valve must be fully open before the pump will start.

Answer	Reference:	Question Pedigree:
С	LP85211-03	CPS Exam Bank Question #3132
Objective:	Cognitive Level:	Difficulty:
LP85211 .1.4.3	1	3.0

Clinton Power Station

		2001 IL 1 L2					
Que	estion: Exam	Syste	m	KA			
# 9 4	4 SRO	29503	38	2.4.10			
The	following high alarm is received	ed on the AR/PR panel					
	1RIX-PR004, FC HX 1A CLG WTR EFFLUENT 712 FB AL-106						
The	monitor is reading 2.3 E-3 uCi	/cc	Provide copy of E	C-02 Section 3.1			
No Fro	other High Alarms are in. m this information what would	be the correct response?					
A.	A. Enter EOP-9, Radioactive Release Control, and isolate all primary systems discharging outside primary and secondary containment.						
В.	Enter EOP-8, Secondary Conta	ainment Control, and ver	ify Fuel Building Ex	haust Rad < 10mR/hr.			
C.	C. Enter EC-02, Emergency Classifications, and declare an 'Unusual Event' due to symptom 3.1 'Radiological Releases-Liquid'.						
D.	D. Enter EC-02, Emergency Classifications, and declare an 'Alert' due to symptom 3.1 'Radiological Releases-Liquid'.			tom 3.1 'Radiological			

Explanation:

In accordance with EC-02 an Unusual Event would be declared if 1RIX-PR004 were reading greater than or equal to $1.0 \text{ E-3 } \mu \text{Ci/cc}$. The current reading is not yet at the "Alert" level.

The alarm 1RIX-PR004, FC HX 1A CLG WTR EFFLUENT 712 FB AL-106 would be considered an annunciator response type alarm even though it is occurring on a computer monitor screen.

Answer	Reference:	Question Pedigree:
С	EC-02 Rev. 6	New
	CPS 4406.01 Rev. 25 (EOP-8	3 & 9)
Objective:	Cognitive Level:	Difficulty:
	2	3.0

Que	estion: Exam		System	KA	
# 9 :	5 BOTI	H	295014	AA2.01	
Wh	Which of the following would cause reactor power to go up?				
A.	A. RR Flow Control Valve closing.				
B.	B. Rod Scram Outlet Valve opening.				
C.	C. 6B Extraction Steam Shutoff Valve closing.				
D.	D. CD Pump Minimum Flow Valve opening				

Explanation:

The 6B Extraction Steam Shutoff Valve closing will prevent the heating of the feedwater in the 6B heater, thereby, causing colder feedwater to enter the vessel and drive reactor power up.

Answer	Reference:	Question Pedigree:
С	LP87300-01	New
Objective:	Cognitive Level:	Difficulty:
LP87300 .1.7.10	2	2.8

Clinton Power Station

		2	OUT ILT LAAIII		
Que	estion:	Exam	System	KA	
# 96	5	вотн	295016	AA2.01	
The	plant was operating at	100% power.			
The P68 Whi	The Main Control Room is being evacuated due to a fire in 1H13-P680. No actions can be performed on P680 due to the fire.				
A. Scram Solenoid Lights are deenergized.					
B. SRVs are not cycling automatically.					
C. 'All Rods Full In' LED at either RACS panel.					
D.	D. Main Generator MWe indicates zero.				

Explanation:

1		
A. & D. Loca	ted on P-680	
B. Not a	true indicator that the reactor is shutdow	vn.
Answer	Reference:	Question Pedigree:
С	CPS 4100.01 Rev. 17	New
Objective:	Cognitive Level:	Difficulty:
-	1	3.3

		2001 IL	I L'Aum	
Que	stion:	Exam	System	KA
# 97		вотн	600000	AK3.04
CPS	1893.04 FIRE FIGHT	FING contains the followin	g:	
IF a	fire alarm occurs in M	ICR panel H13-P661, or as	sociated subfloor area	
ANI) it cannot be immedia	ately confirmed that a fire d	loes NOT exist,	
TH	EN place the Division	1 SRV handswitches in the	Off position.	
The	reason for this step is	to:		
A.	A. Deenergize the wiring to remove the source of the fire.			
B. Prevent energizing the Div 1 SRV Solenoids.				
C.	C. Prevent energizing the Div 1 SRV Solenoids from Div II power.			
D.	D. Maintain operability of the SRVs.			

Explanation:

The fire could cause a "Hot Short" and energize the Div. 1 SRV solenoids from Div. 1 power.

Answer **B** Objective: Reference: CPS 4003.01 Rev 13 Cognitive Level: 1 Question Pedigree: New Difficulty: 3.0

Question:	Exam	System	KA
# 98	SRO	294001	2.1.11

Given the following conditions:

- The plant is in Mode 5 with fuel being moved from the RPV to the spent fuel pool using the Inclined Fuel Transfer System.
- The Division 1 Main Control Room HVAC subsystem is out of service for maintenance.
- The Division 2 Main Control Room HVAC subsystem is in service.

If a malfunction occurred and the Division 2 Main Control Room HVAC subsystem tripped, the TS required IMMEDIATE action is to...

A.	Start at least one train of Standby Gas.
В.	Stop irradiated fuel movement in the Spent Fuel Pool.
C.	Verify primary and secondary containment are established.
D.	Verify Control Bldg pressure is negative compared to the outside.

Explanation:

In accordance with T.S. 3.7.4: If two control room AC subsystems are inoperable, then suspend movement of irradiated fuel assemblies in the primary and secondary containment.

Answer	Reference:	Question Pedigree:
В	T. S. 3.7.4	CPS NRC Exam 2000
Objective:	Cognitive Level:	Difficulty:
	2	3.5

Que	estion:	Exam	System	KA	
# 9 9	9	SRO	294001	2.2.11	
Wh asso	Which of the following Temporary Modifications can be authorized prior to the completion of the associated documentation?				
A.	A. Installation of jumpers to allow Rod Exercising.				
B.	B. Installation of a patch on a WS pipe that has wall thinning.				
C.	C. Installation of a Blocking Device to maintain Div I Diesel Generator Ventilation Exhaust Damper open.				
D.	. Installation of a jumper on a faulty ground overcurrent relay on a RHR pump needed for core coo		p needed for core cooling.		

Explanation:

An Emergency Temporary Modification may be authorized prior to completion of the documentation. The definition of an Emergency Temporary Modification is:

A modification required to be implemented to correct one of the following conditions:

• Potential damage to important SSCs that support the safe shutdown of the plant.

Answer	Reference:	Question Pedigree:
D	CPS 1014.03 Rev. 20	New
Objective:	Cognitive Level:	Difficulty:
	1	3.5

		2001 IL		
Que	estion:	Exam	System	KA
# 10)0	SRO	294001	2.4.22
Within the power leg of EOP-1 there is a shifting of priorities concerning starting Standby Liquid Control (SLC) depending on whether reactor power is greater than 5%.				
Wha	at is the basis for need	ing to start SLC immediate	y if power is >5%?	
A. Preclude power oscillations and ensure the plant remains in a controlled state.				
B. Minimize Suppression Pool Temperature rise.				
C.	C. Complete SLC injection before RWCU is needed for pressure control.			
D.	Enables Main Turbing	e to be tripped earlier.		

Explanation:

EOP Technical Bases states: "If reactor power remains above the APRM downscale setpoint following multiple attempts to scram the reactor, Clinton operating practices call for immediate injection of boron to preclude power oscillations and ensure that the plant remains in a controlled state."

Answer	Reference:	Question Pedigree:
Α	EOP Technical Bases Pg 5-45	New
Objective:	Cognitive Level:	Difficulty:
	1	3.5