ES-401 Writt	Written Examination Question Worksheet			Form-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rating	Ro 1 1 2.	007.EK2	.02
Proposed Question:	RO# 1, SEE A	ATTACHED			
Proposed Answer:	<u>A</u>				
Explanation (Optional):	SEE ATTACI	HED			
Technical Reference(s): (Attach if not previously provided) 883D195 Sh. 4 Logic Diagram 4160V Bus Schemes; 883D195 Sh. 15 RC Trip Signal Logic Diagram; STPT 21.1 Sheet 16					
Proposed references to l	be provided to app	licants during exam	ination:	N/A	
Learning Objective:	053.02.LP0273.0	007	(As avail	able)	
Ouestion Source:	Bank # Modified Bank New	INPO 27260	Note chan	ges or atta	ch parent)
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	•	Fundamental Knov sion or Analysis	vledge _	2-DR	
10 CFR Part 55 Content	t: 55.41	X			
K/A Statement: Knowled Breakers, relays and disco	•	onship between a read	ctor trip and	d the follow	ving:

ES-401 Writt	Written Examination Question Worksheet			Form-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rat	Re 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	008.AA1.	SRO 06
Proposed Question:	RO# 2, SEE A	•			
Proposed Answer:	C SEE ATTACH	HED			
Explanation (Optional):					
Technical Reference(s): (Attach if not previously provided) 883D195 Sh. 18 Logic Diagram Pressurizer Pressure and Level Control					
Proposed references to b	pe provided to appl	icants during exa	ımination:	N/A	
Learning Objective:	043.03.LP2463.0	010	(As avail	able)	
Ouestion Source:	Bank # Modified Bank New	NEW	(Note chan	,	h parent)
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	•	Fundamental Kn sion or Analysis	owledge _	2-DR	
10 CFR Part 55 Content	:: 55.41	X			
	55.43				
K/A Statement: Ability t Vapor Space Accident: Co	*	nitor the following	as they apply	to the Press	urizer

ES-401 Writt	ten Examination Question Worksheet		et Form	n-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rat	RO 1 1 026.AK 4.0	SRO 	
Proposed Question:	RO# 3, SEE A	ATTACHED			
Proposed Answer:	<u> </u>				
Explanation (Optional):	SEE ATTACI	HED			
Technical Reference(s): (Attach if not previously provided)		Γermination Ste _l	p 6, Background pag	ge 12	
Proposed references to b	be provided to app	licants during exa	amination: N/A		
Learning Objective:	031.02.LP0405.0	005	(As available)		
Question Source:	Bank # Modified Bank New	INPO 26807			
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Kn	nowledge 1-P		
10 CFR Part 55 Content	55.41	X			
	55.43				
K/A Statement: Knowled	dge of the reasons fo	or the following res	sponses as they apply to	the Loss of	

Component Cooling Water: Guidance actions contained in EOP for Loss of CCW

ES-401 Writt	Written Examination Question Workshee			Form-401-5	
Examination Outline Cr	ross-reference:	Level Tier # Group # K/A # Importance Ra		RO 1 1 027.AA 3.9	SRO 1.04
Proposed Question:	RO# 4, SEE A	ATTACHED			
Proposed Answer:	<u> </u>				
Explanation (Optional):	SEE ATTACI	HED			
Technical Reference(s): (Attach if not previously provided) AOP-18A Unit 1 Train "A" Equipment Operation; Logic 883D195 Sheet 9					
Proposed references to 1	be provided to app	licants during ex	amination:	N/A	
Learning Objective:	055.03.LP2440.0	002	(As av	ailable)	
Ouestion Source:	Bank # Modified Bank New	PBNP 2003	(Note cha	anges or att	ach parent)
Question History:	Last NRC Exam	2003			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	·	Fundamental Kinsion or Analysis		1-I	
10 CFR Part 55 Content	55.41 55.43	X			
K/A Statement: Ability t Pressure Control Malfunc					essurizer

ES-401 Writt	en Examination Q	uestion Worksheet	Form	-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rating	RO 1 1 029.EA 4.4	SRO 2.01	
Proposed Question:	RO# 5, SEE A	TTACHED			
Proposed Answer:	<u> </u>				
Explanation (Optional):	SEE ATTACH	HED			
CSP-S.1, Response to Nuclear Power Generation/ATWS Step 19 and CSP-S.1 Background Document (Attach if not previously provided)					
Proposed references to b	pe provided to appl	licants during examin	nation: N/A		
Learning Objective:	043.03.LP1996.0	012	(As available)		
Ouestion Source:	Bank # Modified Bank New	INPO 24679 (N	Note changes or att	ach parent)	
Question History:	Last NRC Exam	_			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Know sion or Analysis	ledge 1-P		
10 CFR Part 55 Content	55.41	X			
K/A Statement: Ability t nuclear instrumentation		pret the following as the	ney apply to a ATW	S: Reactor	

ES-401 Wri	tten Examination (Question Worksheet	For	m-401-5
Examination Outline C	Cross-reference:	Level Tier # Group # K/A # Importance Rating	RO 1 038.02 3.6	SRO
Proposed Question:	RO# 6, SEE	ATTACHED		
Proposed Answer: Explanation (Optional)	A SEE ATTAC	CHED		
Technical Reference(s (Attach if not previous provided) Proposed references to	OM 4.3.8 Co OM 4.3.2 At	ontrol of Time Critic tachment E, Time C	Critical Actions,	
Learning Objective:	031.02.LP0441	.004	(As available)	
Question Source:	Bank # Modified Bank New		Note changes or a	ttach parent)
Question History:	Last NRC Exan	1		
(Optional - Questions valid NRC; failure to provide the				eview by the
Question Cognitive Le	•	or Fundamental Know ension or Analysis	vledge 1-B	_
10 CFR Part 55 Conte	nt: 55.41	X		
K/A Statement: Steam facility license	Generator Tube Rup	oture - Knowledge of co	onditions and limita	ations in the

ES-401 Writt	en Examination Question Worksheet		Form	n-401-5
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rating	RO 1 1 WE012.F	SRO EK1.01
Proposed Question:	RO# 7, SEE A	TTACHED		
Proposed Answer:	<u>D</u>			
Explanation (Optional):	SEE ATTACH	HED		
Technical Reference(s): (Attach if not previously provided) ECA-2.1, Uncontrolled Depressurization of Both Steam Generators Step 5; CSP-H.1 Loss of Heat Sink LP0465 LOCA and Faulted Generator Contingencies				
Proposed references to b	be provided to appl	icants during examin	nation: N/A	
Learning Objective:	031.02.LP0465.0	001	(As available)	
Ouestion Source:	Bank # Modified Bank New	PBNP 2005 (N	ote changes or att	ach parent)
Question History:	Last NRC Exam	2005		
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)				
Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 2-RI				
10 CFR Part 55 Content		X		
	55.43			
K/A Statement: Knowledge of the operational implications of the following concepts as they apply to the Uncontrolled Depressurization of All Steam Generators: Components, capacity, and function of emergency systems.				

ES-401 Writte	en Examination Q	uestion Worksheet	Forn	n-401-5	
Examination Outline Cro	oss-reference:	Level Tier # Group # K/A # Importance Rating	RO 1 1 054.AK 3.4	SRO 23.02	
Proposed Question:	RO# 8, SEE A	ATTACHED			
Proposed Answer:	A				
Explanation (Optional):	SEE ATTACE	HED			
Technical Reference(s): (Attach if not previously provided)	P&ID M-202	lwater System Malfo 2-1 Condensate P&I	,	2 Feed	
Proposed references to b	e provided to appl	licants during examin	nation: N/A		
Learning Objective:	055.03.LP2439.0	001 ((As available)		
Ouestion Source:	Bank # Modified Bank New	PBNP 2005	ote changes or att	tach parent)	
Question History:	Last NRC Exam	2005			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Leve	•	Fundamental Knowlesion or Analysis	edge		
10 CFR Part 55 Content:	55.41	X			
	55.43				
K/A Statement: Knowled	_		ses as they apply to	a Loss of	

ES-401 Writt	en Examination Q	uestion Workshee	et	Form-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rat		SRO 055.EA1.07	
Proposed Question:	RO# 9, SEE A	ATTACHED			
Proposed Answer:	C				
Explanation (Optional):	SEE ATTACH	HED			
Technical Reference(s): (Attach if not previously provided) Proposed references to be Learning Objective:	Drawing	licants during exa	, 	E-7033 Electrical N/A ole)	
e s		AOP BANK	(115 availat	<i>(</i> 10)	
Ouestion Source:	Bank # Modified Bank New	AOI BANK	(Note change	es or attach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Kn sion or Analysis	-	2-RI	
10 CFR Part 55 Content		X			
	55.43				
K/A Statement: Ability t Restoration of power from	-	or the following as	they apply to a	Station Blackout:	

ES-401 Write	Written Examination Question Worksheet		t	Form-401-5	
Examination Outline Co	ross-reference:	Level Tier # Group # K/A # Importance Rati	R 1 1 1 2	056.AA	SRO 2.05
Proposed Question:	RO# 10, SEE	ATTACHED			
Proposed Answer:	<u> </u>				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided)		nit 2 Train "A" E	quipment (Operation	Att. A
Proposed references to	be provided to app	olicants during exa	mination:	N/A	
Learning Objective:	052.07.LP0359.	004	_ (As avail	lable)	
Question Source:	Bank # Modified Bank New	NEW	(Note chan	ges or atta	ch parent)
Question History:	Last NRC Exam	l <u>.</u>			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		r Fundamental Knonsion or Analysis	owledge <u> </u>	2-RI	
10 CFR Part 55 Conten	t: 55.41				
	55.43	X			
K/A Statement: Ability Power: Operational status			as they appl	y to the Lo	ss of Offsite

ES-401 Writt	tten Examination Question Worksheet		Form-401-5		
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rating	RO 1 1 057.02.0 4.5	SRO 04.04	
Proposed Question:	RO# 11, SEE	ATTACHED			
Proposed Answer:	<u> </u>				
Explanation (Optional):	SEE ATTACE	HED			
Technical Reference(s): (Attach if not previously provided) AOP-0.2 Loss of Safety Related Instrument Buses and background					
Proposed references to l	pe provided to app	licants during examina	tion: N/A		
Learning Objective:	054.02.LP0123.0	<u>)11 </u>	As available)		
Ouestion Source:	Bank # Modified Bank New	NEW (No	te changes or att	ach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Knowledsion or Analysis	dge <u>1-I</u>		
10 CFR Part 55 Content	t: 55.41	X			
	55.43	X			
K/A Statement: Loss of system operating parameter procedures.					

ES-401 Writt	en Examination Q	uestion Worksh	eet For	m-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ra	RO 1 1 058.A1 2.8	SRO 	
Proposed Question:	RO# 12, SEE	ATTACHED			
Proposed Answer:	<u>A</u>				
Explanation (Optional):	SEE ATTACI	HED			
Technical Reference(s): (Attach if not previously provided) 0-SOP-DC-001 125VDC System, Bus D-01& Components; 0-SOP-Y-001 120 V Vital Instrument Inverters Att. A					
Proposed references to b	be provided to app	licants during ex	xamination: N/A		
Learning Objective:	054.03.LP0121.0	009	(As available)		
Ouestion Source:	Bank # Modified Bank New	NEW	(Note changes or at	tach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental K nsion or Analysi	·	-	
10 CFR Part 55 Content	: 55.41	X			
	55.43				
K/A Statement: Knowled	dge of the operation	al implications of	the following concepts	as they apply to	

a Loss of DC Power: Battery charger equipment and instrumentation.

ES-401 Writ	ten Examination Q	uestion Worksheet		Form-401-5	
Examination Outline C	ross-reference:	Level Tier # Group # K/A # Importance Ratin	$\frac{\begin{array}{c} R \\ 1 \\ \hline 1 \\ \hline \end{array}}{\text{ang}}$	062.AK	SRO 3.02
Proposed Question:	RO# 13, SEE	ATTACHED			
Proposed Answer:	B				
Explanation (Optional)	SEE ATTAC	HED			
Technical Reference(s) (Attach if not previousl provided)	·	8 Logic Diagram S	Safeguard	Sequence	2
Proposed references to	be provided to app	licants during exan	nination:	N/A	
Learning Objective:	051.06.LP0086.	005	(As avail	lable)	
Question Source:	Bank # Modified Bank New	LOC BANK	Note chan	ges or atta	ch parent)
Question History:	Last NRC Exam				
(Optional - Questions valida NRC; failure to provide the					iew by the
Question Cognitive Lev	•	Fundamental Knonsion or Analysis	wledge _	2-RI	
10 CFR Part 55 Conten	t: 55.41	X			
	55.43				
K/A Statement: Knowle	-				

Nuclear Service Water: The automatic actions (alignments) within the nuclear service water resulting from the actuation of the ESFAS

ES-401 Writte	en Examination Q	uestion Worksheet		Form-401-5	
Examination Outline Cro	oss-reference:	Level Tier # Group # K/A # Importance Ratin	$ \begin{array}{c} R \\ 1 \\ \hline 1 \end{array} $	065.AA1	.03
Proposed Question:	RO# 14, SEE	ATTACHED			
Proposed Answer: Explanation (Optional):	A SEE ATTACE	HED			
Technical Reference(s): (Attach if not previously provided) Proposed references to be	RNO; EOP-0 Logic 8893D1		Safety Injo	·	· •
Learning Objective:	052.06.LP0338.0	006	_ (As avail	lable)	
Ouestion Source:	Bank # Modified Bank New	NEW	(Note chan	ges or atta	ch parent)
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Leve		Fundamental Knonsion or Analysis	wledge <u> </u>	2-RI	
10 CFR Part 55 Content	55.41	X			
	55.43				
K/A Statement: Ability to	o operate and/or mo	onitor the following a	s they apply	y to the Loss	s of

K/A Statement: Ability to operate and/or monitor the following as they apply to the Loss of Instrument Air: Restoration of systems served by instrument air when pressure is regained

ES-401 Writt	tten Examination Question Worksheet		Forn	n-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rating	RO 1 1 WE04.E 3.4	SRO 	
Proposed Question:	RO# 15, SEE	ATTACHED			
Proposed Answer:	D				
Explanation (Optional):	SEE ATTACH	HED			
Technical Reference(s): (Attach if not previously provided) EOP-0 Reactor Trip or Safety Injection, Step 25; EOP-1 Loss of Reactor or Secondary Coolant, Step 19					
Proposed references to b	be provided to appl	licants during examina	ation: N/A		
Learning Objective:	031.02.LP0465.0	001 (2	As available)		
Ouestion Source:	Bank # Modified Bank New	INPO 29437 (No	Vote changes or attach parent)		
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 2-DR					
10 CFR Part 55 Content: 55.41					
	55.43	X			
K/A Statement: Ability to determine and interpret the following as they apply to a LOCA Outside Containment: Facility conditions and selection of appropriate procedures during abnormal and emergency operations					

ES-401 Writt	ten Examination Q	uestion Workshee	et	Form-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ratio		E011.02.02.37	
Proposed Question:	RO# 16, SEE	ATTACHED			
Proposed Answer:	B				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) Proposed references to be	у	ixiliary Coolant S		N/A	
Learning Objective:	051.03.LP0064.	004	(As availa	ble)	
Question Source:	Bank # Modified Bank New	PBNP 2005			
Question History:	Last NRC Exam	2005			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Knonsion or Analysis	owledge	1-F	
10 CFR Part 55 Content	t: 55.41	X			
	55.43	X			
K/A Statement: Loss of	Emergency Coolant	Recirculation - Abi	ility to determi	ne operability and/or	

availability of safety related equipment.

ES-401 Writ	ten Examination Q	uestion Workshee	t	Form-401-5	
Examination Outline C	ross-reference:	Level Tier # Group # K/A # Importance Rati	1	O 1 1 WE005.E	SRO K1.01
Proposed Question:	RO# 17, SEE	ATTACHED			
Proposed Answer:	A				
Explanation (Optional)	SEE ATTAC	HED			
Technical Reference(s) (Attach if not previousl provided)	y	S Bleed and Feed			0
Proposed references to		_	mination:	N/A	
Learning Objective:	043.03.LP1998.	004	_ (As avai	lable)	
Question Source:	Bank # Modified Bank New	INPO 25008	(Note chan	ges or atta	ch parent)
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Knonsion or Analysis	owledge _	2-RI	
10 CFR Part 55 Conten	t: 55.41	X			
	55.43				
K/A Statement: Knowle the Loss of Secondary He		-	_	_	

nction of emergency systems

ES-401 Writte	en Examination Q	uestion Workshee	t	Form-401-5		
Examination Outline Cre	oss-reference:	Level Tier # Group # K/A # Importance Ratio	1	O 1 1 077.AK2	.03	
Proposed Question:	RO# 18, SEE	ATTACHED				
Proposed Answer:	<u> </u>					
Explanation (Optional):	SEE ATTACI	HED				
Technical Reference(s): (Attach if not previously provided) Proposed references to be	System; LP0: breaker	lining Frequency 122 13.8 KV Syste	em; STPT			
Learning Objective:	054.02.LP0122.0	001	_ (As avai	lable)		
Ouestion Source:	Bank # Modified Bank New	NEW	(Note chan	iges or atta	ch parent)	
Question History:	Last NRC Exam					
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)						
Question Cognitive Leve	•	Fundamental Knonsion or Analysis	owledge .	1-I		
10 CFR Part 55 Content	: 55.41	X				
	55.43					
K/A Statement: Knowled	lge of the interrelati	onship between Ger	nerator Volta	age and Elec	etric Grid	

K/A Statement: Knowledge of the interrelationship between Generator Voltage and Electric Grid Disturbance and the following: Sensors, detectors, indicators

ES-401 Writt	ten Examination Question Worksheet		Form-401-5		
Examination Outline Cr	coss-reference:	Level Tier # Group # K/A # Importance Rating	RO 1 2 003.AK 3.8	SRO 	
Proposed Question:	RO# 19, SEE	ATTACHED			
Proposed Answer: Explanation (Optional):	B SEE ATTACI	HED			
Technical Reference(s): (Attach if not previously provided)	Dropped Roc	inimum Temperatur l step 4	e for Criticality	; AOP-6A	
Proposed references to l	be provided to app	licants during examina	ation: N/A		
Learning Objective: Ouestion Source:	055.03.LP2441.0 Bank # Modified Bank New		As available) ote changes or att	ach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Knowlension or Analysis	edge 1-P		
10 CFR Part 55 Content	t: 55.41 55.43	X			
K/A Statement: Knowled Tech-Spec limits for Tave		r the following as they a	pply to Dropped C	Control Rod:	

ES-401 Writt	Written Examination Question Worksheet		et	Form-401-5		
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rat		028.AA1.03		
Proposed Question:	RO# 20, SEE	ATTACHED				
Proposed Answer:	D					
Explanation (Optional):	SEE ATTACH	IED				
Technical Reference(s): (Attach if not previously provided) 883D195 Sh. 18 Logic Diagram Pressurizer Pressure and Level Control; 684J741 sh. 2 CVCS system P&ID						
Proposed references to b	pe provided to appl	icants during exa	mination:	N/A		
Learning Objective:	051.01.LP0078.0	004	(As availa	ıble)		
Ouestion Source:	Bank # Modified Bank New	NEW	(Note chang	es or attach parent)		
Question History:	Last NRC Exam					
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)						
Question Cognitive Lev		Fundamental Kn sion or Analysis	owledge	2-RI		
10 CFR Part 55 Content	55.41	X				
	55.43					
K/A Statement: Ability t Control Malfunction: RCF			as they apply	to the Pressurizer Level		

ES-401 Writt	-401 Written Examination Question Worksheet			Form-401-5
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ratin	2.0	SRO
Proposed Question:	RO# 21, SEE	ATTACHED		
Proposed Answer:	<u>C</u>			
Explanation (Optional):	SEE ATTACI	HED		
Technical Reference(s): (Attach if not previously provided)	883D195 Sh. Blocks; Mast	11 Nuclear Instru 12 Nuclear Instru er Data Book 3.2.	mentation Pre	
Proposed references to b	e provided to app	licants during exan	nination: N/A	4
Learning Objective:	053.03.LP2416.0)12	(As available))
Ouestion Source:	Bank # Modified Bank New	NEW (Note changes of	or attach parent)
Question History:	Last NRC Exam			
(Optional - Questions validat NRC; failure to provide the i				
Question Cognitive Lev	•	Fundamental Knowsion or Analysis	wledge 2-I	<u> </u>
10 CFR Part 55 Content	: 55.41			
	55.43	X		
K/A Statement: Ability to	o interpret the follow	wing as they apply to	the Loss of Sou	rce Range Nuclear

K/A Statement: Ability to interpret the following as they apply to the Loss of Source Range Nuclear Instrumentation: Nature of abnormality, from rapid survey of control room data.

ES-401 Writt	Written Examination Question Worksheet		Form-401-5		
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rating	RO 1 2 033.02. 4.1	SRO 04.45	
Proposed Question:	RO# 22, SEE	ATTACHED			
Proposed Answer:	<u> </u>				
Explanation (Optional):	SEE ATTACE	HED			
Technical Reference(s): (Attach if not previously provided) Proposed references to be	883D195 Sh. Blocks; 0-SO	11 Nuclear Instrumer 12 Nuclear Instrumer P-IC-001-RED	ntation Premiss	,	
Learning Objective:	053.03.LP2416.0	011 (A	s available)		
Ouestion Source:	Bank # Modified Bank New	KEWAUNEE 2011 (Not	te changes or at	tach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Leve		Fundamental Knowled sion or Analysis	dge		
10 CFR Part 55 Content	: 55.41	X			
	55.43	X			
K/A Statement: Loss of I	ntermediate Range	Nuclear Instrumentation	- Ability to prior	itize and	

K/A Statement: Loss of Intermediate Range Nuclear Instrumentation - Ability to prioritize and interpret the significance of each annunciator or alarm.

ES-401 Writt	ten Examination C	Question Worksheet		Form-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ratin	RO 1 2 2 2.5	037.AK1	.01
Proposed Question:	RO# 23, SEE	ATTACHED			
Proposed Answer:	B				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) Steam Table; AOP-3 Steam Generator Tube Leak					
Proposed references to l	be provided to app	olicants during exam	ination:	Steam Ta	able
Learning Objective: Question Source:	055.03.LP2438. Bank # Modified Bank New		(As avail	,	ch parent)
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		r Fundamental Knov nsion or Analysis	wledge _	3-SPR	
10 CFR Part 55 Content	55.41 55.43	<u>X</u>			
K/A Statement: Knowledge of the operational implications of the following concepts as they apply to Steam Generator Tube Leak: Use of steam tables.					

ES-401 Writt	en Examination Q	uestion Worksheet		Form-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ratin	RO 1 2 2 2.5	061.AK2.01	RO
Proposed Question:	RO# 24, SEE	ATTACHED			
Proposed Answer:	_A				
Explanation (Optional):	SEE ATTACI	HED			
Technical Reference(s): (Attach if not previously provided) Proposed references to be	RMSASRB (Monitor be provided to app	_	Distillate T	Tank Overboa	
Learning Objective: Ouestion Source:	051.07.LP0275.0 Bank #	PBNP 2005	_ (As availa	able)	
Ouestion Source.	Modified Bank New	-	(Note chang	ges or attach pa	arent)
Question History:	Last NRC Exam	2005			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Leve	•	Fundamental Knonsion or Analysis	wledge _	1-F	
10 CFR Part 55 Content	: 55.41	X			
	55.43				
K/A Statement: Knowled	lge of the interrelati	onships between the	Area Radiat	ion Monitor (Al	RM)

K/A Statement: Knowledge of the interrelationships between the Area Radiation Monitor (ARM) System Alarms and the following: Detectors at each ARM system location.

ES-401 Writt	en Examination Question Worksheet		Form	m-401-5	
Examination Outline Cr	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO 1 2 WE014.J	SRO EK3.04	
Proposed Question:	RO# 25, SEE	ATTACHED			
Proposed Answer:	<u> </u>				
Explanation (Optional):	SEE ATTACE	HED			
Technical Reference(s): (Attach if not previously provided) CSP-Z.1 Response to High Containment Pressure					
Proposed references to b	be provided to app	licants during examin	nation: N/A		
Learning Objective:	043.03.LP2000.0	006	(As available)		
Question Source:	Bank # Modified Bank New	PBNP 2003 (N	Note changes or at	tach parent)	
Question History:	Last NRC Exam	2003			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	·	Fundamental Knownsion or Analysis	ledge 1-B	-	
10 CFR Part 55 Content	t: 55.41	X			
	55.43				
K/A Statement: Knowled Containment Pressure: RC assigned position, in such license and amendments a	or SRO function was a way that procedur	vithin the control room	team as appropriat	e to the	

ES-401 Writt	S-401 Written Examination Question Worksheet			n-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rati	RO 1 2 WE015.E 2.8	SRO CK1.01	
Proposed Question:	RO# 26, SEE	ATTACHED			
Proposed Answer:	<u>A</u>				
Explanation (Optional):	SEE ATTACH	HED			
Technical Reference(s): (Attach if not previously provided) Proposed references to be provided to applicants during examination: CSP-Z.2, 'Response to Containment Flooding and background					
Learning Objective:	043.03.LP2000.0		_ (As available)		
Ouestion Source:	Bank # Modified Bank New	INPO 27286	(Note changes or att	ach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	·	Fundamental Knosion or Analysis	owledge 1-P		
10 CFR Part 55 Content		X			
	55.43				
K/A Statement: Knowled Containment Flooding: Co	dge of the operational omponents, capacity	al implications of the and functions of e	ne following concepts a mergency systems	s they apply to	

ES-401 Writte	tten Examination Question Worksheet		Form	n-401-5
Examination Outline Cro	oss-reference:	Level Tier # Group # K/A # Importance Rating	RO 1 2 WE016.E 2.6	SRO
Proposed Question:	RO# 27, SEE 2	ATTACHED		
Proposed Answer:	<u>B</u>			
Explanation (Optional):	SEE ATTACH	IED		
Technical Reference(s): (Attach if not previously provided)	bases	or Trip or Safety Inj	ection foldout p	age and
Proposed references to b	e provided to appl	icants during examina	ation: N/A	
Learning Objective: Ouestion Source:	031.02.LP1829.0 Bank # Modified Bank New		As available) ote changes or att	ach parent)
Question History:	Last NRC Exam			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)				
Question Cognitive Leve	•	Fundamental Knowle	edge	
10 CFR Part 55 Content	55.41	X		
	55.43			
K/A Statement: Knowled following: Facilities heat reheat removal systems, and facility.	emoval systems, inc	luding primary coolant,	, emergency coolar	nt, the decay

ES-401 Writt	en Examination Q	uestion Worksheet	Form-401-5		
Examination Outline Cr		Level Tier # Group # K/A # Importance Rating	RO 2 1 003.K5 3.1	SRO .03	
Proposed Question:	RO# 28, SEE	ATTACHED			
Proposed Answer: Explanation (Optional):	B SEE ATTACH	HED			
Technical Reference(s): (Attach if not previously provided)		ctor Trip Response tor Coolant System			
Proposed references to b	be provided to appl	licants during examina	ation: N/A		
Learning Objective:	051.01.LP0231.0)09 (<i>A</i>	As available)		
Question Source:	Bank # Modified Bank New	Primaries (No	te changes or atta	nch parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Knowle	dge <u>1-F</u>		
10 CFR Part 55 Content	: 55.41	X			
	55.43				
K/A Statement: Knowledge of the operational implications of the following concepts as they apply to the RCP's: Effects of RCP shutdown on Tave, including the reason for the unreliability of Tave in the shutdown loop.					

ES-401 Writt	en Examination Q	uestion Workshe	et	Form-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ra		O 2 1 004.K6.	SRO 20
Proposed Question:	RO# 29, SEE	ATTACHED			
Proposed Answer:	A				
Explanation (Optional):	SEE ATTACH	HED			
Technical Reference(s): (Attach if not previously provided) 684J741 Sh. 2, CVCS drawing; AOP-1D, CVCS Malfunction; AOP-5B Loss of Instrument Air Attachment H for CCW Proposed references to be provided to applicants during examination: N/A					
Learning Objective:	055.03.LP3718.0	01	(As avai	lable)	
Ouestion Source:	Bank # Modified Bank New	PBNP 2005	(Note char	ges or attac	ch parent)
Question History:	Last NRC Exam	2005			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	•	Fundamental Kr sion or Analysis		2-RI	
10 CFR Part 55 Content		X			
	55.43				
K/A Statement: Knowled Function of demineralizer	•			owing CVCS	S component:

ES-401 Writt	ten Examination Q	Question Worksh	eet	Form-401-5	
Examination Outline Cr	ross-reference:	Level Tier # Group # K/A # Importance Ra	$ \begin{array}{c} R(\\ 2\\ \hline 1\\ \hline \\ 3. \end{array} $	005.A1.02	
Proposed Question:	RO# 30, SEE	ATTACHED			
Proposed Answer: Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) 110E018 Sh. 1 RHR P&ID LP0069 Residual Heat Removal System Proposed references to be provided to applicants during examination: N/A					
Learning Objective:	051.03.LP0069.	_	(As avail	N/A	
Question Source:	Bank # Modified Bank New	PBNP 2007		ges or attach parent)	
Question History:	Last NRC Exam	2007			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		r Fundamental K nsion or Analysis		2-RI	
10 CFR Part 55 Content	t: 55.41	X			
	55.43				
K/A Statement: Ability t	to predict and/or mo	nitor changes in p	arameters (to p	revent exceeding design	

K/A Statement: Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the RHRS controls including: RHR flow rate.

ES-401 Writte	en Examination Q	uestion Worksheet	: I	Form-401-5	
Examination Outline Cro	oss-reference:	Level Tier # Group # K/A # Importance Ratio	2.0	SRO 6.A2.08	
Proposed Question:	RO# 31, SEE	ATTACHED			
Proposed Answer:	D				
Explanation (Optional):	SEE ATTACH	HED			
Technical Reference(s): (Attach if not previously provided) EOP-0 Reactor Trip or Safety Injection Attachment A; 499B466 Elementary drawing for 2P-15B Sh. 226; 883D195 Sh. 8 Logic Diagram Safeguard Sequence Proposed references to be provided to applicants during examination: N/A					
Learning Objective:	051.03.LP0066.0	003	_ (As available)		
Ouestion Source:	Bank # Modified Bank New	NEW	(Note changes of	or attach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Leve		Fundamental Kno sion or Analysis	wledge	<u>RI</u>	
10 CFR Part 55 Content:	55.41	X			
	55.43				
K/A Statement: Ability to	(a) predict the imp	acts of the followin	g malfunctions or	operations on the	

K/A Statement: Ability to (a) predict the impacts of the following malfunctions or operations on the ECCS; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operation: Effect of electric power loss on valve position.

ES-401 Write	Written Examination Question Worksheet			ı-401-5	
Examination Outline Co	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 1 007.A3 2.7	SRO 	
Proposed Question:	RO# 32, SEE	ATTACHED			
Proposed Answer:	D				
Explanation (Optional):	SEE ATTACE	HED			
Technical Reference(s): (Attach if not previously provided) CVCS Drawings 684J741 Sh. 2 and 3; Waste Disposal Drawing 684J741 Sh. 1A; CCW Drawing 110E018 Sh. 2					
Proposed references to	be provided to app	licants during examin	nation: N/A		
Learning Objective:	051.02.LP0079.0	002	(As available)		
Ouestion Source:	Bank # Modified Bank New	PBNP 2007 (N	Note changes or att	ach parent)	
Question History:	Last NRC Exam	2007			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	·	Fundamental Know sion or Analysis	ledge 1-F		
10 CFR Part 55 Conten	t: 55.41	X			
	55.43				
K/A Statement: Ability discharge to the PRT.	to monitor automatic	operation of the PRTS	S, including: Compo	onents which	

ES-401 Writte	en Examination Q	uestion Workshee	et	Form-401-5	
Examination Outline Cro	oss-reference:	Level Tier # Group # K/A # Importance Rat		O 2 1 008.A4.0	SRO 02
Proposed Question:	RO# 33, SEE	ATTACHED			
Proposed Answer:	B				
Explanation (Optional):	SEE ATTACE	HED			
Technical Reference(s): (Attach if not previously provided)	Sh. 3	02 section 5.12 pa	age 96; CC'	W Drawing	g 110E018
Proposed references to b	e provided to app	licants during exa	ımination:	N/A	
Learning Objective:	051.06.LP0084.0	001	(As avai	lable)	
Ouestion Source:	Bank # Modified Bank New	NEW		nges or attac	ch parent)
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Leve		Fundamental Kn sion or Analysis	owledge	2-RI	
10 CFR Part 55 Content	55.41	X			
	55.43				
K/A Statement: Ability to operations of the CCW Sys				om: Filling a	and draining

ES-401 Writt	en Examination Q	uestion Workshee	t For	m-401-5	
Examination Outline Cr	oss-reference:	Level	RO	SRO	
		Tier#	2		
		Group #	1		
		K/A #	010.02	.01.23	
		Importance Rati	ng <u>4.3</u>		
Proposed Question:	RO# 34, SEE	ATTACHED			
Proposed Answer:	B				
Explanation (Optional):	SEE ATTACH	HED			
OP 3C Hot Standby to Cold Shutdown Unit 1/2; 883D195 Sh. Technical Reference(s): (Attach if not previously provided) OP 3C Hot Standby to Cold Shutdown Unit 1/2; 883D195 Sh. 18 Pressurizer Pressure and Level Control					
Proposed references to b	pe provided to appl	licants during exa	mination: N/A		
Learning Objective:	055.01.LP0272.0	008	(As available)		
Question Source:	Bank #	BANK OPS	_		
Ouestion Source.	Modified Bank New		(Note changes or a	ttach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	,	Fundamental Kno	owledge	_	
	Comprenen	sion or Analysis	2-DK	_	
10 CFR Part 55 Content	55.41	<u>X</u>			
	55.43	X			
K/A Statement: Pressuriz	zer Pressure Control	- Ability to perform	n specific system and	integrated plant	

K/A Statement: Pressurizer Pressure Control - Ability to perform specific system and integrated plant procedures during all modes of plant operation.

ES-401 Write	ten Examination Q	uestion Workshee	t	Form-401-5	
Examination Outline Co	ross-reference:	Level Tier # Group # K/A # Importance Rati	$ \begin{array}{c} RC \\ 2 \\ \hline 1 \\ \hline 2.9 \end{array} $	012.K1.08	
Proposed Question:	RO# 35, SEE	ATTACHED			
Proposed Answer:	B SEE ATTACI	HED			
Explanation (Optional):					
883D195 Sh.7 SI Logic Sheet; 883D195 Sh. 10 Feed Control Logic sheet (Attach if not previously provided)					
Proposed references to	be provided to app	licants during exa	mination:	N/A	
Learning Objective:	053.06.LP0486.0	001	(As availa	ıble)	
Ouestion Source:	Bank # Modified Bank New	NEW	(Note chang	ges or attach parent)	
Question History:	Last NRC Exam	_			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	•	Fundamental Knonsion or Analysis	owledge _ _	2-RI	
10 CFR Part 55 Conten	t: 55.41	X			
	55.43				
K/A Statement: Knowle RPS and the following: M		connections and/or c	ause effect re	lationships between the	

ES-401 Writt	ES-401 Written Examination Question Worksheet			m-401-5
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 1 013.K 3.6	SRO
Proposed Question:	RO# 36, SEE	ATTACHED		
Proposed Answer: Explanation (Optional):	C SEE ATTAC	HED		
Technical Reference(s): (Attach if not previously provided)	panel Checks #110E035, SI 3.2.6 2B-32 N	etor Trip or Safety Ing s, Step A11; Safety In h. 1; 889D195 Sh 9 SI MCC; Master Data Bo	jection System Logic; Master ook 3.2.6 2B-42	Drawing Data Book
Proposed references to b Learning Objective:	051.03.LP0066.	C	ation: N/A As available)	
Ouestion Source:	Bank # Modified Bank New	NEW (No	ete changes or at	tach parent)
Question History: Last NRC Exam (Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)				
Question Cognitive Leve		r Fundamental Knowle nsion or Analysis	edge	-
10 CFR Part 55 Content	55.41 55.43	X		
K/A Statement: Knowled control.	lge of bus power su	applies to the following:	ESFAS/safeguard	s equipment

ES-401 Writt	ten Examination Q	uestion Workshe	eet	Form-401-5	
Examination Outline Cr	ross-reference:	Level Tier # Group # K/A # Importance Ra	RO 2 1 1 3.0	SRO 022.K3.02	
Proposed Question:	RO# 37, SEE	ATTACHED			
Proposed Answer:	A				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) KFI04L, Level Sensors and Detectors					
Proposed references to b	be provided to app	licants during ex	amination:	N/A	
Learning Objective:	KFI04L.04C		(As availab	ole)	
Question Source:	Bank # Modified Bank New	PBNP 2007	(Note change	es or attach parent)	
Question History:	Last NRC Exam	2007			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Kinsion or Analysis		2-RI	
10 CFR Part 55 Content	t: 55.41	X			
	55.43				
K/A Statement: Knowled	dge of the effect tha	t a loss or malfunc	tion of the CCS	(Containment Cooling	

K/A Statement: Knowledge of the effect that a loss or malfunction of the CCS (Containment Cooling System) will have on the following: Contanment instrumentation readings.

ES-401 Writt	tten Examination Question Worksheet		Forn	n-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ratin	RO 2 1 026.K4 4.2	SRO 4.01	
Proposed Question:	RO# 38, SEE	ATTACHED			
Proposed Answer:	<u>B</u>				
Explanation (Optional):	SEE ATTACH	HED			
Technical Reference(s): (Attach if not previously provided) EOP-1.3 Transfer to Containment Sump Recirculation - Low Head Injection and background					
Proposed references to b	pe provided to appl	licants during exam	ination: N/A		
Learning Objective:	031.02.LP0435.0	010	(As available)		
Ouestion Source:	Bank # Modified Bank New	INPO 27574	Note changes or att	each parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	Question Cognitive Level: Memory or Fundamental Knowledge 1-P Comprehension or Analysis				
10 CFR Part 55 Content		X			
	55.43				
K/A Statement: Knowled interlock(s) which provide after LOCA					

ES-401 Writte	Written Examination Question Worksheet			Form-401-5	
Examination Outline Cre	oss-reference:	Level Tier # Group # K/A # Importance Ratio	R0 2 1 1 3.	039.K1.	SRO 01
Proposed Question:	RO# 39, SEE	ATTACHED			
Proposed Answer:	B				
Explanation (Optional):	SEE ATTACE	HED			
Technical Reference(s): (Attach if not previously provided) STPT 2.2, Steam Line Isolation Setpoint do Sh. 7 MSIV logic				document	; 883D195
Proposed references to b	e provided to app	licants during exar	mination:	N/A	
Learning Objective:	031.02.LP0441.0	003	(As avail	able)	
Ouestion Source:	Bank # Modified Bank New	PBNP 2005	(Note chan	,	ch parent)
Question History:	Last NRC Exam	2005			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Leve		Fundamental Knonsion or Analysis	owledge _	2-DR	
10 CFR Part 55 Content	: 55.41	X			
	55.43				
K/A Statement: Knowled			ause-effect r	elationships	s between the

ES-401 Writt	Written Examination Question Worksheet		Form-401-5		
Examination Outline Cr	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 1 039.K5	SRO 5.05	
Proposed Question:	RO# 40, SEE	ATTACHED			
Proposed Answer:	D SEE ATTACI	HED			
Explanation (Optional):					
Technical Reference(s): (Attach if not previously provided) LP0448 Heatup and Cooldown Limitations					
Proposed references to b	be provided to app	licants during examinat	tion: N/A	_	
Learning Objective:	043.02.LP0448.0	004 (A	s available)		
Question Source:	Bank # Modified Bank New	TECH SPEC BANK (Note	c changes or att	ach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Knowlednsion or Analysis	lge 1-B		
10 CFR Part 55 Content	55.41				
	55.43				
K/A Statement: Knowledge of the operations implications of the following concepts as they apply to the MRSS (Main and Reheat Steam): Bases for RCS cooldown limits					

ES-401 Write	ten Examination Q	uestion Workshe	et	Form-401-5	
Examination Outline Co	ross-reference:	Level Tier # Group # K/A # Importance Ra		O 2 1 059.K3.0	SRO 4
Proposed Question:	RO# 41, SEE	ATTACHED			
Proposed Answer:	B SEE ATTAC	HED			
Explanation (Optional):	SEE ATTAC	пер			
Technical Reference(s): (Attach if not previously provided) Proposed references to	1C03 1E2 1-4 logic; LP2462	s of Instrument of ARB; 883D195 2 FSAR Seconda dicants during examples	Sh.10 Main Transien	Feed Reg	
Learning Objective:	043.02.LP2462.	004	(As avai	lable)	
Ouestion Source:	Bank # Modified Bank New	INPO 26113	(Note char	ges or attac	h parent)
Question History:	Last NRC Exam				
(Optional - Questions valida NRC; failure to provide the					w by the
Question Cognitive Lev	•	Fundamental Kr nsion or Analysis	nowledge	2-RI	
10 CFR Part 55 Conten		X			
	55.43				
K/A Statement: Knowle following: RCS	dge of the effect tha	t a loss or malfunct	tion of the Ml	FW will have	on the

ES-401 Writt	en Examination Q	uestion Worksheet	Form	-401-5
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 1 059.A1 2.7	.03
Proposed Question:	RO# 42, SEE	ATTACHED		
Proposed Answer: Explanation (Optional):	C SEE ATTACH	НЕD		
Technical Reference(s): (Attach if not previously provided)	-	lwater System Malfu	unction Step 8a	
Proposed references to b	be provided to appl	licants during examin	ation: N/A	
Learning Objective:	055.03.LP2439.0	004 (As available)	
Question Source:	Bank # Modified Bank New	PBNP 2007 (No	ote changes or atta	ach parent)
Question History:	Last NRC Exam	2007		
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)				
Question Cognitive Lev		Fundamental Knowle sion or Analysis	edge 1-P	
10 CFR Part 55 Content	: 55.41	X		
	55.43			
K/A Statement: Ability t limits) associated with ope MFW pumps and valves				

ES-401 Writ	ES-401 Written Examination Question Worksheet		Form-401-5	
Examination Outline C	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 1 061.K 3.7	SRO
Proposed Question:	RO# 43, SEE	ATTACHED		
Proposed Answer: Explanation (Optional)	D SEE ATTAC	HED		
CSP-H.1, Loss of Heat Sink; Master Data Book 3.2.1(1A-06). 3.2.2(2A-05), 3.2.4(2B-04); M-217 Sh. 1 Aux Feedwater System; M-217 Sh. 2 Aux Feedwater System; M-2217 Aux Feedwater System (Attach if not previously provided)				
Proposed references to	be provided to app	olicants during examina	ation: N/A	
Learning Objective:	052.05.LP0169.	.003	As available)	
Ouestion Source:	Bank # Modified Bank New	NEW (No	ote changes or at	tach parent)
Question History:	Last NRC Exam	1		
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)				
Question Cognitive Lev		r Fundamental Knowle nsion or Analysis	edge	-
10 CFR Part 55 Conten	t: 55.41 55.43	X		
K/A Statement: Knowledge of AFW design feature(s) and/or interlock(s) which provide for the following: Crossties between multi-unit station				

ES-401 Writt	tten Examination Question Worksheet			Form-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ratin	$\frac{2}{1}$ ang $\frac{3}{3}$	061.A2.	SRO 07
Proposed Question:	RO# 44, SEE	ATTACHED			
Proposed Answer:	 SEE ATTACE	HED			
Explanation (Optional):	SEE III IIICI	ill			
ARP 1C03 1D 1-8 1P-53 AFP Low Suction Pressure Trip; West. 833D195 Sh. 27; OM 3.7, AOP and EOP Procedure Usage for Response to Plant Transients; STPT 14.11 Aux Feedwater (Attach if not previously provided)					
Proposed references to b	pe provided to app	licants during exan	nination:	N/A	
Learning Objective:	052.05.LP0169.0	006	(As avail	able)	
Ouestion Source:	Bank # Modified Bank New	NEW ((Note chang	ges or atta	ch parent)
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Knonsion or Analysis	wledge _	2-RI	
10 CFR Part 55 Content	: 55.41 <u> </u>	X			
	55.43	X			
K/A Statement: Ability to	o (a) predict the imr	acts of the following	malfunctio	ns or onera	itions on the

K/A Statement: Ability to (a) predict the impacts of the following malfunctions or operations on the AFW; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operation: Air or MOV failure

ES-401 Writt	Written Examination Question Worksheet		Form-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 1 062.A1 3.4	SRO
Proposed Question:	RO# 45, SEE	ATTACHED		
Proposed Answer: Explanation (Optional):	C SEE ATTACE	HED		
Technical Reference(s): (Attach if not previously provided) TS-81 Emergency Diesel Generator G-01 Monthly test				
Proposed references to b	pe provided to app	licants during examina	tion: N/A	
Learning Objective:	054.02.LP0133.0	006 (A	s available)	
Question Source:	Bank # Modified Bank New	NEW (Not	e changes or att	ach parent)
Question History:	Last NRC Exam			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)				
Question Cognitive Lev	·	Fundamental Knowled sion or Analysis	lge <u>1-P</u>	
10 CFR Part 55 Content	55.41	X		
	55.43			
K/A Statement: Ability t limits) associated with opeload limits				

ES-401 Written Examination Question Worksheet			Form	n-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 1 062.A3 3.5	SRO 	
Proposed Question:	RO# 46, SEE	ATTACHED			
Proposed Answer:	B				
Explanation (Optional):	SEE ATTACH	HED			
Technical Reference(s): (Attach if not previously provided) PBF-7033, PBNP Electrical Drawing; LP0007 4160 VAC Distribution; LP0133 Emergency Diesel Generators					
Proposed references to b	ne provided to appl	licants during examin	ation: N/A		
Learning Objective:	054.01.LP0007.0	_	As available)		
Ouestion Source:	Bank # Modified Bank New		ote changes or att	ach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Knowlesion or Analysis	edge 1-F		
10 CFR Part 55 Content		X			
K/A Statement: Ability t Safety-related indicators a		operation of the AC D	istribution system,	including:	

ES-401 Writt	en Examination Q	uestion Worksho	eet F	Form-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ra		SRO 	
Proposed Question:	RO# 47, SEE	ATTACHED			
Proposed Answer:	A				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) AOP 0.0, Vital DC System Malfunction; LP0121 DC Distribution System					
Proposed references to b	pe provided to app	licants during ex	amination: N/A	1	
Learning Objective:	055.03.LP3456.0	001	(As available)		
Ouestion Source:	Bank # Modified Bank New	PBNP 2002	(Note changes o	r attach parent)	
Question History:	Last NRC Exam	2002			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	•	Fundamental Kansion or Analysis	• • •	7	
10 CFR Part 55 Content	t: 55.41	X			
	55.43				
K/A Statement: Knowled	dge of bus power su	pplies to the follow	wing: Major DC load	ds.	

ES-401 Writt	en Examination Q	uestion Workshe	et	Form-	401-5
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rate		O 2 1 063.A4.0	SRO
Proposed Question:	RO# 48, SEE .	ATTACHED			
Proposed Answer:	D				
Explanation (Optional):	SEE ATTACH	HED			
ARP 2C20 A 2-2 D-01/D-03 125V DC Bus Under/Over Voltage; ARP 2C20 A 1-1 D07 Battery Charger Trouble (Attach if not previously provided)					
Proposed references to b	pe provided to appl	icants during exa	amination:	N/A	
Learning Objective:	054.01.LP0121.0	006	(As avai	lable)	
Ouestion Source:	Bank # Modified Bank New	PBNP 2007	(Note chan	iges or attac	ch parent)
Question History:	Last NRC Exam	2007			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Kr sion or Analysis	•	2-RI	
10 CFR Part 55 Content		X			
V/A Statement: ALILLA	55.43		the control	om: Dottor-	diaaharaa
K/A Statement: Ability t rate	o manually operate a	ang/or monitor in t	tne control ro	om: Battery	aiscnarge

ES-401 Writte	itten Examination Question Worksheet		Form	n-401-5	
Examination Outline Cro	oss-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 1 064.K	SRO 6.08	
Proposed Question:	RO# 49, SEE	ATTACHED			
Proposed Answer:	A				
Explanation (Optional):	SEE ATTACI	HED			
Technical Reference(s): (Attach if not previously provided)	2B40 MCC ; I	Book 3.2.5 1B40 Mo M-219 Sh. 3 Fuel Oi		Book 3.2.6	
Proposed references to b	e provided to app	licants during exami	nation: N/A		
Learning Objective:	054.02.LP0133.0	004	(As available)		
Ouestion Source:	Bank # Modified Bank New	PBNP 2002 (N	Note changes or at	tach parent)	
Question History:	Last NRC Exam	2002			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Leve	•	Fundamental Knownsion or Analysis	ledge 2-RI		
10 CFR Part 55 Content:	55.41	X			
	55.43				
K/A Statement: Knowled ED/G system: Fuel oil stor	_	loss or malfunction of	f the following will	have on the	

ES-401 Writte	en Examination Q	uestion Workshee	et	Form-401-5	
Examination Outline Cre	oss-reference:	Level Tier # Group # K/A # Importance Ration		SRO 54.02.04.30	
Proposed Question:	RO# 50, SEE	ATTACHED			
Proposed Answer:	D				
Explanation (Optional):	SEE ATTACH	HED			
TS-84 Emergency Diesel Generator Monthly; NP 2.1.5 Electrical Communications, Switchyard Access and Work Planning Proposed references to be provided to applicants during examination: N/A					
Learning Objective:	054.02.LP0133.0	006	_ (As availabl	e)	
Ouestion Source:	Bank # Modified Bank New	NEW	(Note changes	or attach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validat NRC; failure to provide the in					
Question Cognitive Leve	•	Fundamental Knasion or Analysis	owledge1	-P	
10 CFR Part 55 Content	: 55.41	X			
	55.43	X			
K/A Statement: Emergen	cy Diesel Generator	r - Knowledge of e	vents related to s	system	

K/A Statement: Emergency Diesel Generator - Knowledge of events related to system operation/status that must be reported to internal organizations or external agencies, such as the State, the NRC, or the transmission system operator.

ES-401 Write	ten Examination Q	uestion Workshe	et	Form-401-5	
Examination Outline Co	ross-reference:	Level Tier # Group # K/A # Importance Rat		073.K1.	SRO 01
Proposed Question:	RO# 51, SEE	ATTACHED			
Proposed Answer: Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) Proposed references to	Unit 2; RMS Unit 2	CI 2RE-219 SGB ASRB CI 2RE-2	22 SĜBD T		
Learning Objective:	052.02.LP0037.		(As avai		
Ouestion Source:	Bank # Modified Bank New	PBNP 2005		nges or atta	ch parent)
Question History: Last NRC Exam 2005 (Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	•	Fundamental Kr	owledge	1-I	
10 CFR Part 55 Conten	55.43	<u>X</u>			
K/A Statement: Knowle PRM (Process Radiation)				_	

PRM (Process Radiation Monitoring) system and the following systems: Those systems served by PRMs.

ES-401 Writte	tten Examination Question Worksheet		et	Form-401-5	
Examination Outline Cre	oss-reference:	Level Tier # Group # K/A # Importance Rate	$\frac{2}{1}$	073.A2.02	0
Proposed Question:	RO# 52, SEE .	ATTACHED			
Proposed Answer: Explanation (Optional):	D SEE ATTACH	HED			
Technical Reference(s): (Attach if not previously provided)	RMSASRB 1.	T RE-214 Aux E 0 Generic RMS			es
Proposed references to b	e provided to appl	icants during exa	amination:	N/A	
Learning Objective:	053.05.LP0286.0	004	(As avail	able)	
Ouestion Source:	Bank # Modified Bank New	NEW	(Note chan	ges or attach par	rent)
Question History:	Last NRC Exam				
(Optional - Questions validat NRC; failure to provide the in					he
Question Cognitive Leve		Fundamental Kr sion or Analysis	nowledge _	1-P	
10 CFR Part 55 Content	: 55.41	X			
	55.43	X			
use pro	o (a) predict the imp Process Radiation Mocedures to correct, octions or operations	Ionitoring) system control, or mitigate	; and (b) base	d on those predict	

ES-401 Writ	tten Examination Q	Question Worksheet	Form-401-5		
Examination Outline C	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 1 076.K 2.5	SRO 	
Proposed Question:	RO# 53, SEE	ATTACHED			
Proposed Answer:	<u> </u>				
Explanation (Optional)	: SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) Master Data Book 3.2.6 2B32; Master Data Book 3.2.6 2B42; 883D195 Sh. SI logic					
Proposed references to	be provided to app	licants during examina	tion: N/A		
Learning Objective:	051.06.LP0086.	004 (A	s available)		
Ouestion Source:	Bank # Modified Bank New	NEW	e changes or at	tach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Le	•	Fundamental Knowlednsion or Analysis	lge		
10 CFR Part 55 Conter	55.41	X			
K/A Statement: Knowle water (Service Water)		pplies to the following: R	eactor building o	closed cooling	

ES-401 Writt	ten Examination C	Question Workshe	eet	Form-401-5	
Examination Outline Cr	ross-reference:	Level Tier # Group # K/A # Importance Ra	$\frac{2}{2}$ ting $\frac{3.4}{2}$	078.K3.02	
Proposed Question:	RO# 54, SEE	ATTACHED			
Proposed Answer:	D				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided)		s of Instrument	or Service Ai	ir	
Proposed references to l	be provided to app	olicants during ex	amination:	N/A	
Learning Objective:	052.06.LP0338.	007	(As availa	able)	
Question Source:	Bank # Modified Bank New	PBNP 2007	(Note chang	ges or attach parent)	
Question History:	Last NRC Exam	2007			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		r Fundamental Kı nsion or Analysis	· ·	2-RI	
10 CFR Part 55 Content	t: 55.41	X			
	55.43				
K/A Statement: Knowled	dge of the effect tha	t a loss or malfunc	tion of the Inst	rument Air System will	

K/A Statement: Knowledge of the effect that a loss or malfunction of the Instrument Air System will have on the following: Systems having pneumatic valves and controls

ES-401 Writt	ten Examination Q	uestion Worksheet	Form	n-401-5	
Examination Outline Co	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 1 103.K	SRO 4.06	
Proposed Question:	RO# 55, SEE	ATTACHED			
Proposed Answer:	A				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) Logic Drawing 883D195 Sh. 7, Containment Isolation					
Proposed references to	be provided to app	licants during exami	ination: N/A		
Learning Objective:	053.06.LP0486.	14	(As available)		
Question Source:	Bank # Modified Bank New	PBNP 2007	Note changes or at	tach parent)	
Question History:	Last NRC Exam	2007			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Knownsion or Analysis	vledge 1-F		
10 CFR Part 55 Conten	t: 55.41	X			
	55.43				
K/A Statement: Knowle provide for the following:			(s) and/or interlock(s	s) which	

ES-401 Writ	Written Examination Question Worksheet			-401-5	
Examination Outline Co	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 2 001.K2 3.5	SRO 01	
Proposed Question:	RO# 56, SEE	ATTACHED			
Proposed Answer:	<u>B</u>				
Explanation (Optional):	SEE ATTACI	HED			
Technical Reference(s): (Attach if not previously provided) OI-31 Rod Drive Motor Generator Set; LP0131 Rod Drive MG Sets					
Proposed references to	be provided to app	licants during examin	ation: N/A		
Learning Objective:	054.04.LP0213.0	002 ((As available)		
Ouestion Source:	Bank # Modified Bank New	(No	ote changes or atta	ach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Level: Memory or Fundamental Knowledge					
10 CFR Part 55 Conten	t: 55.41	X			
	55.43				
K/A Statement: Knowle supply to M/G sets.	dge of bus power su	pplies to the following:	One-line diagram o	of power	

ES-401 Writt	en Examination Q	uestion Workshee	t	Form-401-5	
Examination Outline Cr	ross-reference:	Level Tier # Group # K/A # Importance Ratio		O S 2 2 014.K1.02	SRO
Proposed Question:	RO# 57, SEE	ATTACHED			
Proposed Answer: Explanation (Optional):	B SEE ATTACI	HED			
Technical Reference(s): (Attach if not previously provided) OP-1B Reactor Startup					
Proposed references to b	pe provided to app	licants during exar	mination:	N/A	
Learning Objective:	055.03.LP2441.0	003	_ (As avai	lable)	
Question Source:	Bank # Modified Bank New	INPO 27672	(Note char	ges or attach p	parent)
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 2-DR					
10 CFR Part 55 Content	55.41 <u> </u>	X			
K/A Statement: Knowledge of the physical connections and/or cause effect relationships between the RPIS and the following systems: NIS					

ES-401 Writte	ritten Examination Question Worksheet			Form-401-5	
Examination Outline Cro	oss-reference:	Level Tier # Group # K/A # Importance Rating		SRO 	
Proposed Question:	RO# 58, SEE	ATTACHED			
Proposed Answer:	<u>A</u>				
Explanation (Optional):	SEE ATTACE	HED			
Technical Reference(s): (Attach if not previously provided)	Alarms and A	ng Sh. 23, LOFWT AMSAC	T; STPT 15.	1, Turbine Trips,	
Proposed references to b	e provided to app	licants during exam	ination: N	/A	
Learning Objective:	053.02.LP1828.0	002	(As availabl	e)	
Ouestion Source:	Bank # Modified Bank New	PBNP 2007	`	or attach parent)	
Question History:	Last NRC Exam	2007			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Leve	•	Fundamental Knownsion or Analysis		DR	
10 CFR Part 55 Content:	55.41	X			
	55.43				
K/A Statement: Knowled interlock(s) which provide				sign feature(s) and/or	

ES-401 Writt	Written Examination Question Worksheet		Fe	orm-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ratin	2.0	SRO	
Proposed Question:	RO# 59, SEE	ATTACHED			
Proposed Answer: Explanation (Optional):	C SEE ATTACI	HED			
LCO 3.6.4 Containment Pressure; LCO 3.6.5 Containment Temperature; PBF-2061 Control Room Shift Turnover Checklist Checklist					
Proposed references to l	be provided to app	licants during exam	nination: N/A		
Learning Objective:	057.02.LP3342.0	002	(As available)		
Ouestion Source:	Bank # Modified Bank New	INPO 26746	Note changes or	attach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Level: Memory or Fundamental Knowledge					
10 CFR Part 55 Content		X			
	55.43				
K/A Statement: Ability t limits) associated with ope pressure, temperature, and	erating the Containn				

ES-401 Writt	ten Examination Question Worksheet		et	Form-401-5	
Examination Outline Cr		Level Tier # Group # K/A # Importance Ration		RO 2 2 035.K5 2.8	SRO .03
Proposed Question:	RO# 60, SEE	ATTACHED			
Proposed Answer:	<u>B</u>				
Explanation (Optional):	SEE ATTACH	HED			
Technical Reference(s): (Attach if not previously provided)		Transient Respor	ıse		
Proposed references to b	pe provided to appl	licants during exa	mination:	N/A	
Learning Objective:	043.01.LP0446.0	003	_ (As ava	ilable)	
Question Source:	Bank # Modified Bank New	INPO 24696	(Note cha	inges or atta	ch parent)
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	·	Fundamental Knosion or Analysis	owledge	1-F	
10 CFR Part 55 Content	55.41	X			
	55.43				
K/A Statement: Knowled S/Gs: Shrink and swell co		nplications of the fo	ollowing co	ncepts as the	apply to the

ES-401 Writt	ten Examination Q	Question Workshe	et	Form-401-5	
Examination Outline Cr	ross-reference:	Level Tier # Group # K/A # Importance Rat		2 2 2 055.K3	SRO .01
Proposed Question:	RO# 61, SEE	ATTACHED			
Proposed Answer:	D				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) Proposed references to lead to the control of the	y	ndary Coolant M		N/A	
Learning Objective:	055.03.LP2439.	004	(As avai	ilable)	
Question Source:	Bank # Modified Bank New	INPO 23359	(Note char	nges or atta	ach parent)
Question History:	Last NRC Exam	ı <u></u>			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		r Fundamental Kn nsion or Analysis	owledge	2-DR	
10 CFR Part 55 Content	t: 55.41	X			
	55.43				
K/A Statement: Knowled	$\frac{-}{}$ dge of the effect tha	t a loss or malfunct	tion of the Ca	ARS (Conde	enser Air

Removal system) will have on the following: Main condenser

ES-401 Writte	ten Examination Question Worksheet		Forn	n-401-5	
Examination Outline Cro	oss-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 2 068.A3 2.7	SRO 2.02	
Proposed Question:	RO# 62, SEE	ATTACHED			
Proposed Answer:	D				
Explanation (Optional):	SEE ATTAC	HED			
OI-140B Standard Radioactive Batch Liquid Release-Waste Distillate Tanks; RAM 3.1.1 Restarting a Liquid Batch Release (Attach if not previously provided)					
Proposed references to b Learning Objective:	051.04.LP0063.	C	ation: N/A As available)		
Ouestion Source:	Bank # Modified Bank New	INPO 24086	ote changes or at	tach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Leve	•	r Fundamental Knowle nsion or Analysis	edge 1-P		
10 CFR Part 55 Content:	55.41	X			
	55.43	X			

K/A Statement: Ability to (a) predict the impacts of the following malfunctions or operations on the Liquid Radwaste System; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: Lack of tank recirculation prior to release.

ES-401 Written Examination Question Worksheet		Form-401-5		
Examination Outline C	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 2 072.A 2.9	SRO
Proposed Question:	RO# 63, SEE	ATTACHED		
Proposed Answer: Explanation (Optional)	A SEE ATTAC	CHED		
Logic Drawing 883D195 Sh. 21 Containment Isolation/Containment Ventilation Isolation; Logic Drawing 883D195 Sh. 7 Safeguards Actuation Signals; RMSARB 1RE- 305, Containment Purge Exhaust Low Range Gas Monitor; Drawing M-215 Sh. 1, Containment Ventilation D (Attach if not previously provided)				
Proposed references to				
Learning Objective:	051.05.LP0057.	004 PBNP 2007	As available)	
Question Source:	Bank # Modified Bank New		ote changes or at	tach parent)
Question History:	Last NRC Exam	2007		
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)				
Question Cognitive Lev	·	r Fundamental Knowle nsion or Analysis	edge 1-I	- -
10 CFR Part 55 Conten	55.41	X		
K/A Statement: Ability system, including: Chang			(Area Radiation I	Monitoring)

ES-401 Wri	tten Examination (Question Worksheet	Forr	n-401-5
Examination Outline C	Cross-reference:	Level Tier # Group # K/A #	RO 2 2 079.A	SRO 4.01
		Importance Rating	2.7	
Proposed Question:	RO# 64, SEE	ATTACHED		
Proposed Answer:	B			
Explanation (Optional)	SEE ATTAC	HED		
Technical Reference(s) (Attach if not previous provided))· <u> </u>	nstrument and Servi	ce Air	
Proposed references to	be provided to app	olicants during examin	nation: N/A	
Learning Objective:	052.06.LP0338.	004 ((As available)	
Question Source:	Bank # Modified Bank New		ote changes or at	tach parent)
Question History:	Last NRC Exam	L		
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)				
Question Cognitive Le	•	r Fundamental Knowl nsion or Analysis	edge 2-RI	-
10 CFR Part 55 Conter	nt: 55.41	X		
	55.43			
K/A Statement: Ability	• •	and/or monitor in the co	ontrol room: Cross	s-tie valves

with Instrument Air System

ES-401 Writ	Written Examination Question Worksheet		Forr	m-401-5
Examination Outline C	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO 2 2 086.02.	SRO 04.35
Proposed Question:	RO# 65, SEE	ATTACHED		
Proposed Answer:	<u> </u>			
Explanation (Optional)	SEE ATTAC	HED		
Technical Reference(s) (Attach if not previousl provided) Proposed references to	Fire Extinguing lesson plan y	, Inspection of Fixed lishing Systems; LP	0003 Fire Protect	
Learning Objective:	052.01.LP0003.	.007	(As available)	
Ouestion Source:	Bank # Modified Bank New		Note changes or at	tach parent)
Question History:	Last NRC Exam	1		
(Optional - Questions valida NRC; failure to provide the				eview by the
Question Cognitive Lev		r Fundamental Knownsion or Analysis	vledge 1-P	
10 CFR Part 55 Conten	t: 55.41	X		
	55.43	X		
K/A Statement: Fire Pro	otection - Knowledg	e of local auxiliary one	erator tasks during a	n emergency

K/A Statement: Fire Protection - Knowledge of local auxiliary operator tasks during an emergency and the resultant operational effects.

ES-401 Writ	tten Examination Question Worksheet		Form	n-401-5
Examination Outline Co	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO 3 02.01	SRO
Proposed Question:	RO# 66, SEE	ATTACHED		
Proposed Answer:	B			
Explanation (Optional):	SEE ATTAC	HED		
Technical Reference(s) (Attach if not previously provided)	Plant Transi			ponse to
Proposed references to		meants during exami		
Learning Objective: Ouestion Source:	02.01.06 Bank # Modified Bank New	NEW (1	(As available) Note changes or att	ach parent)
Question History:	Last NRC Exam	ı		
(Optional - Questions valida NRC; failure to provide the				view by the
Question Cognitive Lev		r Fundamental Knownsion or Analysis	vledge 1-P	
10 CFR Part 55 Conten	t: 55.41	X		
	55.43	X		
K/A Statement: Ability	to manage the contr	ol room crew during p	lant transients.	

ES-401 Write	ten Examination Q	uestion Worksheet	Form	n-401-5
Examination Outline Co	ross-reference:	Level Tier # Group # K/A #	RO 3 02.01	SRO
		Importance Rating	3.4	
Proposed Question:	RO# 67, SEE	ATTACHED		
Proposed Answer:	D			
Explanation (Optional):	SEE ATTAC	HED		
Technical Reference(s): (Attach if not previously provided) Proposed references to	Terms and D Energy Syste y be provided to app	licants during examin	dous Energy and	
Learning Objective:	02.01.26		As available)	
Ouestion Source:	Bank # Modified Bank New	ADMIN BANK (No	ote changes or att	ach parent)
Question History:	Last NRC Exam			
(Optional - Questions valida NRC; failure to provide the	-		2	view by the
Question Cognitive Lev	•	Fundamental Knowlession or Analysis	edge <u>1-P</u>	
10 CFR Part 55 Conten	t: 55.41	X		
	55.43			
K/A Statement: Knowle	dge of industrial saf	ety procedures (such as	rotating equipmen	t, electrical,

K/A Statement: Knowledge of industrial safety procedures (such as rotating equipment, electrical, high temperature, high pressure, caustic, chlorine, oxygen and hydrogen)

ES-401 Writt	ten Examination Question Worksheet		Form-	401-5	
Examination Outline Cr	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO 3 02.02.1 2.6	SRO	
Proposed Question:	RO# 68, SEE	ATTACHED			
Proposed Answer:	D SEE ATTACI	HED.			
Explanation (Optional):	SEE ATTACI	нер			
Technical Reference(s): (Attach if not previously provided)		arded Equipment			
Proposed references to l	be provided to app	licants during examina	tion: N/A	_	
Learning Objective:	02.02.17	(A	As available)		
Question Source:	Bank # Modified Bank New	LOC BANK (No	te changes or atta	ch parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	•	Fundamental Knowlension or Analysis	dge <u>1-P</u>		
10 CFR Part 55 Content	t: 55.41	X			
K/A Statement: Knowled operations, such as risk as system operator	dge of the process for	~ ~	• .		

ES-401 Written	Written Examination Question Worksheet		Form-401-5	
Examination Outline Cross	s-reference:	Level Tier # Group # K/A # Importance Rating	RO 3 02.02.	SRO
Proposed Question:	RO# 69, SEE			
Proposed Answer: Explanation (Optional):	B SEE ATTACI	HED		
PC97 Part 1 Service Water Flush 'A' Accidnet Fan; IT 08A Cold Start 1P-29 TDAFW Pump; IT 07G Service Water Valves Quarterly; IT 01 Train A High Head SI Pumps and Valves Train A Valves Train A Proposed references to be provided to applicants during examination: N/A				
Learning Objective: 0	2.02.21	(As	available)	
N	Bank # Modified Bank New	NEW (Note	changes or att	ach parent)
Question History: L	ast NRC Exam			
(Optional - Questions validated NRC; failure to provide the info				view by the
Question Cognitive Level:		Fundamental Knowleds	ge <u>1-P</u>	
10 CFR Part 55 Content:	55.41	X		
K/A Statement: Knowledge	55.43 e of pre- and post	X -maintenance operability r	equirements	

ES-401 Writt	ten Examination Q	uestion Worksheet	Forr	n-401-5	
Examination Outline Cr	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO 3 02.02	SRO 	
Proposed Question:	RO# 70, SEE	ATTACHED			
Proposed Answer:	C				
Explanation (Optional): SEE ATTACHED					
Technical Reference(s): (Attach if not previously provided) Proposed references to be	у	sic Sheet 20 & 26; L		Feedwater 95 SHEET 20	
Learning Objective:	052.05.LP0169.	004	(As available)		
Question Source:	Bank # Modified Bank New		Note changes or at	tach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Level 10 CFR Part 55 Content	Comprehe	Fundamental Knownsion or Analysis X	ledge 3-SPR		
10 CIRI at 35 Conton	55.43				
K/A Statement: Ability t		et station electrical and	d mechanical drawi	ngs.	

ES-401 Writt	ritten Examination Question Worksheet		Form-401-5	
Examination Outline Cross-reference:		Level Tier # Group # K/A #	RO 3 ———————————————————————————————————	SRO
		Importance Rating	3.2	
Proposed Question:	RO# 71, SEE	ATTACHED		
Proposed Answer:	B			
Explanation (Optional):	SEE ATTACI	HED		
Technical Reference(s): (Attach if not previously provided) 0-SOP-FH-001 Fuel/Insert/Component Movement in the SFP or New Fuel vault P&L 3.4.1				
Proposed references to b	pe provided to app	licants during examinat	tion: N/A	
Learning Objective:	112.01.LP0260.0	001 (A	s available)	
Ouestion Source:	Bank # Modified Bank New	PBNP 2009 (Not	e changes or atta	ach parent)
Question History:	Last NRC Exam	2009		
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)				
Question Cognitive Level: Memory or Fundamental Knowledge				
10 CFR Part 55 Content	55.41	X		
	55.43			
K/A Statement: Knowled such as containment entry areas, aligning filters, etc				

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ES-401 Writt	en Examination Q	Question Workshe	et	Form-401-5	
Examination Outline Cr	ross-reference:	Level Tier # Group # K/A # Importance Rat	$\frac{R}{3}$		SRO
Proposed Question:	RO# 72, SEE	ATTACHED			
Proposed Answer: Explanation (Optional):	B SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) RP-1C, Refueling P&L 3.3.5					
Proposed references to b	pe provided to app	olicants during exa	amination:	N/A	
Learning Objective:	055.02.LP2186.	001	(As avai	lable)	
Question Source:	Bank # Modified Bank New	PBNP 2005	(Note chan	ges or atta	ch parent)
Question History:	Last NRC Exam	2005			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 2-DR					
10 CFR Part 55 Content	55.41	X			
	55.43	X			

K/A Statement: Knowledge of radiological safety procedures pertaining to licensed operator duties, such as response to radiation monitor alarms, containment entry requirements, fuel handling responsibilities, access to locked high-radiation areas, aligning filters, etc

ES-401 Writt	1 Written Examination Question Worksheet			Form-401-5		
Examination Outline Co	ross-reference:	Level Tier # Group #	RO 3			
		K/A #		02.03.14		
		Importance Ratir	ng 3.4	·		
Proposed Question:	RO# 73, SEE	ATTACHED				
Proposed Answer:	A					
Explanation (Optional):	SEE ATTACI	HED				
Technical Reference(s): (Attach if not previously provided)	· .	n Generator Tube	Rupture B	ackground Step 11		
,						
Proposed references to l	be provided to app	licants during exan	nination: _	N/A		
Learning Objective:	031.02.LP0441.0	002	_ (As availa	ble)		
Question Source:	Bank # Modified Bank New	INPO 19590	(Note chang	es or attach parent)		
Question History:	Last NRC Exam					
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)						
Question Cognitive Lev	•	Fundamental Knonsion or Analysis	wledge	1-B		
10 CFR Part 55 Content	t: 55.41	X				
	55.43	X				
K/A Statement: Knowled	dge of radiation or c	ontamination hazard	s that may ari	ise during normal.		

K/A Statement: Knowledge of radiation or contamination hazards that may arise during normal, abnormal, or emergency conditions or activities

ES-401 Writte	en Examination Q	uestion Workshe	eet	Form-401-5		
Examination Outline Cre	oss-reference:	Level Tier # Group # K/A # Importance Ra	3	O SRO 3 02.04.34		
Proposed Question:	RO# 74, SEE	·	O			
Proposed Answer:	B					
Explanation (Optional):	SEE ATTAC	HED				
AOP-10A, Safe Shutdown - Local Control; Master Data Book 3.2.1 1A05; Master Data Book 3.2.1 1A06; Master Data Book 3.2.2 2A05; Master Data Book 3.2.2 2A06 (Attach if not previously provided)						
Proposed references to b	e provided to app	licants during ex	amination:	N/A		
Learning Objective:	055.03.LP1275.	001	(As avail	lable)		
Ouestion Source:	Bank # Modified Bank New	PBNP 2007	(Note chan	ges or attach parent)		
Question History:	Last NRC Exam	2007				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)						
Question Cognitive Leve		Fundamental Kinsion or Analysis	-	2-DS		
10 CFR Part 55 Content	-	X	-			
	55.43	X				

K/A Statement: Knowledge of RO tasks performed outside the main control room during an emergency and the resultant operational effects.

ES-401 Writt	ten Examination Q	Question Worksheet		Form-401-5		
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ratir		O 3 02.04.4	SRO	
Proposed Question:	RO# 75, SEE	ATTACHED				
Proposed Answer:	<u> </u>					
Explanation (Optional):	SEE ATTAC	HED				
Technical Reference(s): (Attach if not previously provided) Proposed references to be	y	mergency Action		nnical Bas	is	
Learning Objective:	PBN BEP.061.0	C	(As avai	-		
Question Source:	Bank # Modified Bank New	LOC BANK	- `	,	ch parent)	
Question History:	Last NRC Exam					
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)						
Question Cognitive Lev		r Fundamental Kno nsion or Analysis	wledge _	2-DR		
10 CFR Part 55 Content	t: 55.41	X				
	55.43	X				
K/A Statement: Knowled	dge of the emergence	cy action level thresh	olds and cla	ssifications	}	

ES-401 Writ	ten Examination C	Question Worksh	eet	Form	n-401-5
Examination Outline Co	ross-reference:	Level Tier # Group # K/A # Importance Ra		026.AA	SRO 1 1 2.02 3.6
Proposed Question:	SRO# 1, SEE	ATTACHED			
Proposed Answer:	D				
Explanation (Optional):	: SEE ATTAC	HED			
Technical Reference(s) (Attach if not previously provided)	·	actor Coolant L	eak; AOP-9	B, Attach	ment B, B3
Proposed references to	be provided to app	olicants during ex	xamination:	N/A	
Learning Objective:	055.03.LP2444.	008	(As ava	ilable)	
Question Source:	Bank # Modified Bank New	NEW	(Note cha	nges or att	ach parent)
Question History:	Last NRC Exam	NEW			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 3-SPK					
10 CFR Part 55 Conten	t: 55.41				
	55.43	X			
KA Statement: Ability to	o determine and inte	erpret the followin	g as they appl	ly to the Lo	ss of

KA Statement: Ability to determine and interpret the following as they apply to the Loss of Component Cooling Water: The cause of possible CCW loss.

ES-401 Writt	en Examination (Question Worksheet	t	Form-401-5		
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ratio		SRO 1 1 29.02.04.09 4.2		
Proposed Question:	SRO# 2, SEE	ATTACHED				
Proposed Answer:	<u> </u>					
Explanation (Optional):	SEE ATTAC	HED				
Technical Reference(s): (Attach if not previously provided)		ponse to Nuclear (Generation/A	ATWS, Step 20		
Proposed references to b	pe provided to app	olicants during exar	mination: N	I/A		
Learning Objective:	043.03.LP1996.	011	_ (As availab	ole)		
Question Source:	Bank # Modified Bank New	NEW	(Note change	s or attach parent)		
Question History:	Last NRC Exam	NEW				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)						
Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 3-SPK			SPK			
10 CFR Part 55 Content	:: 55.41 <u> </u>	X				
	55.43	X				

KA Statement: ATWS - Knowledge of low power/shutdown implications in accident (e.g., loss of coolant accident or loss of residual heat removal) mitigation strategies.

ES-401 Write	ten Examination Q	uestion Worksheet		Form-401-5	
Examination Outline Cross-reference:		Level Tier # Group #	R(SRO 1 1	
		K/A #		038.EA2.07	
		Importance Ratin	g	4.8	
Proposed Question:	SRO# 3, SEE	ATTACHED			
Proposed Answer:	<u> </u>				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) EOP-3 Steam Generator Tube Rupture, Step 37 and bases					
Proposed references to	be provided to app	licants during exam	ination:	EOP-3 Step 37	
Learning Objective:	031.02.LP0441.	013	(As availa	able)	
Ouestion Source:	Bank # Modified Bank New	LOC BANK	Note chang	ges or attach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	,	Fundamental Knownsion or Analysis	wledge _ _	2-RI	
10 CFR Part 55 Conten	t: 55.41				
	55.43	X			
KA Statement: Ability to conditions, from survey o			hey apply to	a SGTR: Plant	

ES-401 Write	ten Examination Q	uestion Workshee	et .	Form-401-5		
Examination Outline Co	ross-reference:	Level Tier # Group # K/A # Importance Rat		SRO 1 1 1 4.02.02.40 4.7		
Proposed Question:	SRO# 4, SEE	ATTACHED				
Proposed Answer:	D					
Explanation (Optional):	SEE ATTACI	HED				
Technical Reference(s): (Attach if not previously provided) LCO 3.7.3 MFIV, MFRV, and MFRV Bypass's with associated bases						
Proposed references to	be provided to app	licants during exa	mination: <u>LC</u>	CO 3.7.3		
Learning Objective:	057.03.LP3343.0	002	_ (As available)		
Ouestion Source:	Bank # Modified Bank New	NEW	(Note changes of	or attach parent)		
Question History:	Last NRC Exam	NEW				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)						
Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 3-SPR						
10 CFR Part 55 Conten	t: 55.41	X				
	55.43	X				
KA Statement: Loss of N	Main Feedwater - Ab	pility to apply techn	nical specifications	for a system.		

ES-401 Writt	ten Examination Q	uestion Workshe	et	Form	-401-5	
Examination Outline Cr	coss-reference:	Level Tier # Group # K/A # Importance Rat		056.AA2	SRO 1 1 2.21 3.8	
Proposed Question:	SRO# 5, SEE	ATTACHED				
Proposed Answer:	<u>B</u>					
Explanation (Optional):	SEE ATTACI	HED				
Technical Reference(s): (Attach if not previously provided)		s of All AC, Step	9 and Bas	es		
Proposed references to l	be provided to app	licants during exa	amination:	N/A		
Learning Objective:	031.02.LP0462.0	007	(As avai	ilable)		
Question Source:	Bank # Modified Bank New	NEW	(Note changes or attach paren		ch parent)	
Question History:	Last NRC Exam	NEW				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question) Question Cognitive Level: Memory or Fundamental Knowledge						
Question Cognitive Lev		r Fundamentar Kr nsion or Analysis	iowiedge	3-SPK		
10 CFR Part 55 Content	t: 55.41					
	55.43	X				
KA Statement: Ability to	o determine and inte	rpret the following	as they appl	y to the Los	s of Offsite	

Power: ED/G frequency and voltage indicators.

Examination Outline Cross-reference: Level RO SRO Tier # 1 Group # 1 K/A # 058.02.01.32 Importance Rating 4.0 Proposed Question: SRO# 6, SEE ATTACHED SEE ATTACHED LCO 3.8.4 DC Sources - Operating and bases; 0-SOP-DC-003 125 VDC System Bus D03 and Components; AOP-0.0 Vital DC Malfunctions [A Learning Objective: 057.02.LP3344.002 (As available) Ouestion Source: Bank # Modified Bank New NEW Ouestion History: Last NRC Exam NEW (Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question) Ouestion Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 10 CFR Part 55 Content: 55.41 X 55.43 X	ES-401 Writt	ten Examination (Question Works	heet	Form-401-5		
Proposed Answer: Explanation (Optional): SEE ATTACHED LCO 3.8.4 DC Sources - Operating and bases; 0-SOP-DC-003 125 VDC System Bus D03 and Components; AOP-0.0 Vital DC Malfunctions Proposed references to be provided to applicants during examination: N/A Learning Objective: Ouestion Source: Bank # Modified Bank New NEW Question History: Last NRC Exam NEW (Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question) Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 3-SPK 10 CFR Part 55 Content: 55.41 X	Examination Outline Cr	ross-reference:	Tier # Group # K/A #			1 132	
Explanation (Optional): SEE ATTACHED LCO 3.8.4 DC Sources - Operating and bases; 0-SOP-DC-003 125 VDC System Bus D03 and Components; AOP-0.0 Vital DC Malfunctions Proposed references to be provided to applicants during examination: N/A Learning Objective: Ouestion Source: Bank # Modified Bank New NEW Ouestion History: Last NRC Exam NEW Ouestion Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis To CFR Part 55 Content: SEE ATTACHED LCO 3.8.4 DC Sources - Operating and bases; 0-SOP-DC-003 125 VDC System Bus D03 and Components; AOP-0.0 Vital DC Malfunctions N/A (As available) (Note changes or attach parent) NEW Ouestion History: ABM NEW Ouestion Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 3-SPK 10 CFR Part 55 Content: SEE ATTACHED LCO 3.8.4 DC Sources - Operating and bases; 0-SOP-DC-003 125 VDC System Bus D03 and Components; AOP-0.0 Vital DC Malfunctions N/A (As available) (Note changes or attach parent) NEW Ouestion Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 3-SPK	Proposed Question:	SRO# 6, SEE	E ATTACHED				
LCO 3.8.4 DC Sources - Operating and bases; 0-SOP-DC-003 125 VDC System Bus D03 and Components; AOP-0.0 Vital DC Malfunctions Proposed references to be provided to applicants during examination: N/A Learning Objective: 057.02.LP3344.002 (As available) Question Source: Bank # (Note changes or attach parent) New NEW Question History: Last NRC Exam NEW (Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question) Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 3-SPK 10 CFR Part 55 Content: 55.41 X	Proposed Answer:	A					
Technical Reference(s): (Attach if not previously provided) Proposed references to be provided to applicants during examination: N/A	Explanation (Optional):	SEE ATTAC	HED				
Ouestion Source: Bank #	Technical Reference(s): (Attach if not previously provided) 125 VDC System Bus D03 and Components; AOP-0.0 Vital DC Malfunctions						
Modified Bank New NEW Question History: Last NRC Exam NEW (Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question) Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 3-SPK 10 CFR Part 55 Content: 55.41 X	Learning Objective:	057.02.LP3344	.002	(As ava	ilable)		
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question) Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 10 CFR Part 55 Content: 55.41 X		Modified Bank New		(Note char	nges or attac	ch parent)	
NRC; failure to provide the information will necessitate a detailed review of every question) Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 10 CFR Part 55 Content: 55.41 X	Question History:	Last NRC Exam	n <u>NEW</u>				
Comprehension or Analysis 10 CFR Part 55 Content: 55.41 X							
10 CFR Part 33 Content. 33.41	Question Cognitive Lev	- , -		, , -	3-SPK		
55.43 X	10 CFR Part 55 Content	t: 55.41 _	X				
		55.43	X				

ES-401 Writt	en Examination C	Question Worksh	eet	Form-401-5		
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ra		SRO 1 2 005.AA2.03 4.4		
Proposed Question:	SRO# 7, SEE	ATTACHED				
Proposed Answer:	<u> </u>					
Explanation (Optional):	SEE ATTAC	HED				
Technical Reference(s): (Attach if not previously provided) LCO 3.1.4 Rod Group Alignment Limits and bases Proposed references to be provided to applicants during examination: LCO 3.1.4						
Learning Objective:	057.02.LP3338.	_	(As availa			
Question Source:	Bank # Modified Bank New	TS BANK		es or attach parent)		
Question History:	Last NRC Exam					
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)						
Question Cognitive Lev		r Fundamental K nsion or Analysis		3-SPR		
10 CFR Part 55 Content	55.41					
	55.43	X				
KA Statement: Ability to	determine and inte	ernret the followin	σ as they annly t	o the Inoperable /		

KA Statement: Ability to determine and interpret the following as they apply to the Inoperable / Stuck Control Rod: Required actions if more than one rod is stuck or inoperable.

ES-401 Writte	en Examination (Question Works	heet	Form-401-5			
Examination Outline Cre	oss-reference:	Level Tier # Group # K/A # Importance I		O SRO 1 2 060.02.04.18 4.0			
Proposed Question:	SRO# 8, SEE	E ATTACHED					
Proposed Answer:	B						
Explanation (Optional):	SEE ATTAC	HED					
EOP-1.3 Transfer to Containment Sump Recirculation - Low Head Injection, Step 30 background; LCO 3.7.14 Primary Auxiliary Ventilation and associated Bases [Attach if not previously provided]							
Proposed references to b	e provided to app	plicants during	examination:	N/A			
Learning Objective: Ouestion Source:	Bank # Modified Bank New	.002 NEW	(As avai	lable) ges or attach parent)			
Question History:	Last NRC Exam	n NEW					
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)							
Question Cognitive Leve	•	r Fundamental l nsion or Analys		2-RI			
10 CFR Part 55 Content	: 55.41	X					
	55.43	X					

KA Statement: Accidental Gaseous Radwaste Release - Knowledge of the specific bases for EOPs.

ES-401 Write	ten Examination Q	uestion Worksh	eet	Form-401-5	
Examination Outline Co	ross-reference:	Level Tier # Group # K/A # Importance R	RO ating	SRO 1 2 067.AA2.13 4.4	
Proposed Question:	SRO# 9, SEE	ATTACHED			
Proposed Answer:	<u>A</u>				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided)	y	fe Shutdown -]		and bases	
Proposed references to	be provided to app	licants during ex	xamination:	N/A	
Learning Objective:	055.03.LP1275.	001	(As avail	able)	
Question Source:	Bank # Modified Bank New	NEW	(Note changes or attach parent)		
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Level: Memory or Fundamental Knowledge 1-P Comprehension or Analysis					
10 CFR Part 55 Conten	t: 55.41				
	55.43	X			
KA Statement: Ability to	o determine and inte	erpret the following	ng as they apply	to the Plant Fire on	

Site: Need for emergency shutdown.

ES-401 Writt	ten Examination Q	uestion Workshee	et	Form	-401-5
Examination Outline Cr	ross-reference:	Level Tier # Group # K/A # Importance Rat		WE13.02.	SRO 1 2 04.47 4.2
Proposed Question:	SRO# 10, SEF	E ATTACHED			
Proposed Answer:	A				
Explanation (Optional):	SEE ATTACE	HED			
Technical Reference(s): (Attach if not previously provided) CSP-ST.0 Critical Safety Function Trees; OM 3.7 AOP and EOP Procedure Use and Adherence					
Proposed references to l	be provided to appl	licants during exa	amination:	CSP-ST.	0 Figs. 1 - 3
Learning Objective:	043.03.LP1995.0)11	(As avai	lable)	
Ouestion Source:	Bank # Modified Bank New	NEW	(Note char	nges or atta	ach parent)
Question History:	Last NRC Exam	NEW			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		Fundamental Kn sion or Analysis	owledge	3-SPR	
10 CFR Part 55 Content	t: 55.41	X			
	55.43	X			
VA Statement: Steem G	anarotar Ovar Pracci	ma Ability to dia	masa and ra	nomiza tran	da in on

KA Statement: Steam Generator Over-Pressure - Ability to diagnose and recognize trends in an accurate and timely manner utilizing the appropriate control room reference material.

ES-401 Writte	en Examination Q	uestion Worksl	heet	Form-401-5	
Examination Outline Cre	oss-reference:	Level Tier # Group # K/A #		SRO 2 2 013.A2.01 4.8	
Proposed Question:	SRO# 11, SEF	Importance R E ATTACHED			
Proposed Answer:	D				
Explanation (Optional):	SEE ATTACH	HED			
Technical Reference(s): (Attach if not previously provided) EOP-1 Loss of Reactor or Secondary Coolant; EOP-1.3 Transfer to Containment Sump Recirculation - Low Head Injection and associated bases					
Proposed references to b	e provided to appl	icants during e	examination:	N/A	
Learning Objective: Ouestion Source:	Bank # Modified Bank New	010 NEW	(As avai	lable) nges or attach parent)	
Question History:	Last NRC Exam	NEW			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Leve		Fundamental l sion or Analys	•	3-SPK	
10 CFR Part 55 Content	55.41	X			
T. 1 G	55.43	X			

KA Statement: Ability to (a) predict the impacts of the following malfunctions or operations on the ESFAS; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: LOCA

ES-401 Writt	en Examination (Question Worksheet	Form-401-5		
Examination Outline Cr	oss-reference:	Level Tier # Group #	$ \begin{array}{cc} RO & SRO \\ $		
		K/A #	039.02.02.44		
		Importance Rating	4.4		
Proposed Question:	SRO# 12, SE	E ATTACHED			
Proposed Answer:	<u> </u>				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) Proposed references to be	1E2 1-2 Stea Deviation/Tr Feedwater F	m Generator 'A' Lev ouble; ARP 1C03 1E low Channel Alert	22 3-2 Steam Generator 'A'		
Learning Objective:	055.03.LP3455.	002 ((As available)		
Ouestion Source:	Bank # Modified Bank New	INPO 29497(No	ote changes or attach parent)		
Question History:	Last NRC Exam	. <u></u>			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev		r Fundamental Knowl	· · · · · · · · · · · · · · · · · · ·		
	Comprehe	nsion or Analysis	<u> 2-RI</u>		
10 CFR Part 55 Content	55.41	<u>X</u>			
	55.43	X			
KA Statement: Main and	Dahaat Staam Al	sility to interpret control	room indications to varify the		

KA Statement: Main and Reheat Steam - Ability to interpret control room indications to verify the status and operation of a system, and understand how operator actions and directives affect plant and system conditions.

ES-401 Writt	en Examination Qu	uestion Worksh	eet I	Form-401-5	
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Ra		SRO 2 7.A2.03 3.9	
Proposed Question:	SRO# 13, SEE	E ATTACHED			
Proposed Answer:	D				
Explanation (Optional):	SEE ATTACH	HED			
Technical Reference(s): (Attach if not previously provided) EOP-0 Reactor Trip or Safety Injection Step 9 RNO; ARB 1C04 1C 1-1 "1T-2 PRT Press High Temp Hi Level Hi or Lo"					
Proposed references to b	pe provided to appl	icants during ex	xamination: N/A	A	
Learning Objective:	043.03.LP1998.0	006	(As available))	
Ouestion Source:	Bank # Modified Bank New	NEW	(Note changes of	or attach parent)	
Question History:	Last NRC Exam	NEW			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	•	Fundamental K		RI_	
10 CFR Part 55 Content	55.41	X			
	55.43	X			
KA Statement: Ability to	(a) predict the impa	acts of the follow	ing malfunctions or	onerations on the	

KA Statement: Ability to (a) predict the impacts of the following malfunctions or operations on the PRT; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: Overpressurization of the PZR.

ES-401 Writ	ten Examination C	Question Worksheet	For	m-401-5	
Examination Outline C	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO 076.02	SRO 2 2 2.01.20 4.6	
Proposed Question:	SRO# 14, SE	E ATTACHED			
Proposed Answer:	D				
Explanation (Optional)	: SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) OI-70 Service Water System Operation					
Proposed references to	be provided to app	licants during examir		Att D and e 1	
Learning Objective:	051.06.LP0086.	006	(As available)		
Ouestion Source:	Bank # Modified Bank New	LOC (N	ote changes or a	ttach parent)	
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Level 10 CFR Part 55 Content	Comprehe	r Fundamental Knowl nsion or Analysis X	3-SPR	- -	
10 Crk rait 33 Comen	55.43	X			
KA Statement: Service	Water - Ability to in	terpret and execute proc	cedure steps.		

ES-401 Write	ten Examination Q	uestion Workshe	et	Form	-401-5
Examination Outline Co	ross-reference:	Level Tier # Group # K/A # Importance Ra		103.02.0	SRO 2 2 4.06 4.7
Proposed Question:	SRO# 15, SE	E ATTACHED			
Proposed Answer:	<u>B</u>				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) Proposed references to	Head Injection	nsfer to Contain on; ECA-1.3 Con	ntainment Ŝ		
Learning Objective:	031.02.LP0465.	_	(As avai	lable)	
Ouestion Source:	Bank # Modified Bank New	INPO 27517		,	ach parent)
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	•	Fundamental Kr nsion or Analysis	• •	3-SPK	
10 CFR Part 55 Conten	t: 55.41	X			
	55.43	X			
KA Statement: Contains	nent - Knowledge of	FOP mitigation st	trategies		

ES-401 Writt	ES-401 Written Examination Question Worksheet		t Form	-401-5
Examination Outline Cross-reference:		Level Tier# Group# K/A#	RO	SRO 2 2
		Importance Rati	-	3.9
Proposed Question:	SRO# 16, SEI	E ATTACHED	<u> </u>	
Proposed Answer:	<u> </u>			
Explanation (Optional):	SEE ATTACE	HED		
Technical Reference(s): (Attach if not previously provided)	System Urger	1 1	2C04 2A 1-6 Rod Co	ontrol
Proposed references to b	pe provided to app	licants during exa	mination: N/A	
Learning Objective:	055.03.LP2441.0	002	(As available)	
Ouestion Source:	Bank # Modified Bank New	NEW	(Note changes or atta	ach parent)
Question History:	Last NRC Exam	NEW		
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)				
Question Cognitive Lev		Fundamental Knosion or Analysis	owledge 1-P	
10 CFR Part 55 Content	:: 55.41	X		
	55.43	X		
KA Statement: Ability to (a) predict the impacts of the following malfunction or operations on the CRDS- and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: Urgent failure alarm, including rod-out-of-sequence and motion-inhibit alarms.				

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ES-401 Write	ten Examination Q	uestion Worksh	eet I	Form-401-5	
Examination Outline Co	ross-reference:	Level Tier # Group # K/A # Importance Ra	·	SRO 2 2 .02.02.25 4.2	
Proposed Question:	SRO# 17, SEI	E ATTACHED			
Proposed Answer:	<u> </u>				
Explanation (Optional):	SEE ATTACI	HED			
Technical Reference(s): (Attach if not previously provided) LCO 3.6.7 Spray Additive System Bases					
Proposed references to	be provided to app	licants during ex	camination: N/A	<u> </u>	
Learning Objective:	057.01.LP3336.0	017	(As available))	
Question Source:	Bank # Modified Bank New	NEW	(Note changes of	or attach parent)	
Question History:	Last NRC Exam	NEW			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 1-B					
10 CFR Part 55 Conten	t: 55.41	X			
	55.43	X			
VA Ct-tt- C	4 T 1' D	1 77 1 1 6	4 1 ' 75 1 '	10 'C' '	

KA Statement: Containment Iodine Removal - Knowledge of the bases in Technical Specifications for limiting conditions for operations and safety limits.

ES-401 Writt	en Examination Q	uestion Workshee	et Form-401-:	5
Examination Outline Cr	oss-reference:	Level Tier # Group # K/A # Importance Rat	056.02.01.07	RO 2 2 7
Proposed Question:	SRO# 18, SEI	E ATTACHED		
Proposed Answer: Explanation (Optional):	D SEE ATTACE	HED		
Technical Reference(s): (Attach if not previously provided) AOP-2B Feedwater System Malfunction				
Proposed references to b	pe provided to app	licants during exa	mination: N/A	
Learning Objective:	055.03.LP2439.0	005	(As available)	
Question Source:	Bank # Modified Bank New	NEW	(Note changes or attach pa	rent)
Question History:	Last NRC Exam	NEW		
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)				
Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 2-RI				
10 CFR Part 55 Content	55.41 55.43	X		

 $KA\ Statement:\ Condensate\ -\ Ability\ to\ evaluate\ plant\ performance\ and\ make\ operational\ judgements\ based\ on\ operating\ characteristics,\ reactor\ behavior,\ and\ instrument\ interpretation.$

ES-401 Writ	ten Examination Q	uestion Worksh	eet Form-	401-5
Examination Outline C	ross-reference:	Level Tier# Group#	RO	SRO 3
		K/A #	02.01.3	
		Importance Ra	ating	3.9
Proposed Question:	SRO# 19, SEI	E ATTACHED		
Proposed Answer:	<u> </u>			
Explanation (Optional)	: SEE ATTACE	HED		
Technical Reference(s) (Attach if not previousl provided)	•	ling Precaution	and Limitation 3.2.11	
Proposed references to	be provided to app	licants during ex	xamination: N/A	
Learning Objective:	112.01.LP0285.0	002	(As available)	
Question Source:	Bank #			
	Modified Bank New	NEW	(Note changes or atta	ch parent)
Question History:	Last NRC Exam	NEW		
(Optional - Questions valida NRC; failure to provide the			ly undergo less rigorous revi iew of every question)	ew by the
Question Cognitive Lev		Fundamental K		
10 CFR Part 55 Conten	at: 55.41	X		
	55.43	X		
KA Statement: Knowled	dge of the fuel-handl	ing responsibilitie	es of SROs.	

ES-401 Wri	tten Examination Ç	Question Worksheet	For	m-401-5
Examination Outline C	Pross-reference:	Level Tier # Group # K/A # Importance Rating	RO	SRO 3 2.07 3.6
Proposed Question:	SRO# 20, SE	E ATTACHED		
Proposed Answer:	<u> </u>			
Explanation (Optional)	SEE ATTAC	HED		
Technical Reference(s) (Attach if not previous provided) Proposed references to	Evaluation	10CFR50.59 Applica		ng and
Learning Objective:	SD 86.02.07	(/	As available)	
Ouestion Source:	Bank # Modified Bank New	PBNP 2005 SRO (No	te changes or a	ttach parent)
Question History:	Last NRC Exam	2005		
(Optional - Questions valid NRC; failure to provide the				review by the
Question Cognitive Le		r Fundamental Knowle nsion or Analysis	dge 1-P	_ _
10 CFR Part 55 Conter	nt: 55.41	X		
	55.43	X		
				

ES-401 Writ	tten Examination Q	uestion Worksheet	For	m-401-5	
Examination Outline C	ross-reference:	Level Tier # Group # K/A # Importance Rating	RO	SRO 3 2.35 4.5	
Proposed Question:	SRO# 21, SE	E ATTACHED			
Proposed Answer:	D				
Explanation (Optional)	: SEE ATTAC	HED			
Technical Reference(s) (Attach if not previously provided) Proposed references to	be provided to app	C			
Learning Objective:	057.01.LP3336.0		As available)		
Question Source:	Bank # Modified Bank New	PBNP 2007 SRO (No	ote changes or a	ttach parent)	
Question History:	Last NRC Exam	2007			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Le	•	Fundamental Knowlension or Analysis	edge 1-P	- -	
10 CFR Part 55 Conter	nt: 55.41	X			
	55.43	X			
KA Statement: Ability t	to determine Technic	al Specification Mode o	of Operation.		

ES-401 Writt	ten Examination Q	n Examination Question Worksheet		Form-401-5	
Examination Outline Cr	ross-reference:	Level Tier # Group # K/A #		02.03.	SRO 3 04 3.7
Proposed Question:	SRO# 22, SE	Importance Ra	ung		
Proposed Answer:	A				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) Proposed references to be provided to applicants during examination: N/A					
Learning Objective:	SD 86.03.04		(As ava	ilable)	
Question Source:	Bank # Modified Bank New	PBNP 2007 S			ach parent)
Question History:	Last NRC Exam	2007			
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
		Fundamental Knsion or Analysis	• 1	2-DS	
10 CFR Part 55 Content	t: 55.41	X			
	55.43	X			
KA Statement: Knowled	ge of radiation expo	sure limits under	normal or em	ergency co	nditions.

ES-401 Write	Written Examination Question Worksheet		Form-401-5	
Examination Outline Cross-reference:		Level Tier# Group#	RO	SRO 3
		K/A #	02.03	3.11
		Importance Rating		4.3
Proposed Question:	SRO# 23, SE	EE ATTACHED		
Proposed Answer:	D			
Explanation (Optional):	SEE ATTAC	CHED		
Technical Reference(s): (Attach if not previously provided) Proposed references to	RMSASRB monitor; OI Effluent Act Release	CI 2RE-229 Unit 2 SW CI RE-223 Waste Disti -140, Standard Batch I tivity; RAM 3.1.1 Resta plicants during examina	illate Tank Ov Release; AOP- arting a Liquid	erboard 4A High
Learning Objective:	051.04.LP0063	.004 (A	s available)	
Question Source:	Bank # Modified Bank New	PBNP 2005 SRO (Not	2005 SRO (Note changes or attach parent)	
Question History:	Last NRC Exan	2005		
		ce 10/95 will generally under essitate a detailed review of e		eview by the
Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis 3-SPK			-	
10 CFR Part 55 Conten	t: 55.41	X		
	55.43	X		
KA Statement: Ability to	o control radiation	releases.		

ES-401 Wri	tten Examination (n Examination Question Worksheet		Form-401-5	
Examination Outline (Cross-reference:	Level Tier # Group # K/A # Importance Rating	RO	SRO 3 4.08 4.5	
Proposed Question:	SRO# 24, SE	EE ATTACHED			
Proposed Answer:	A				
Explanation (Optional): SEE ATTAC	CHED			
Technical Reference(s (Attach if not previous provided)): 6.16.3	P and EOP Procedure	Use and Adhe	erence Step	
Proposed references to	be provided to app	plicants during examina	tion: N/A		
Learning Objective:	LP3959.001	(A	As available)		
Ouestion Source:	Bank # Modified Bank New	PBNP 2003 SRO (No	SRO (Note changes or attach parent)		
Question History:	Last NRC Exam	2003			
		tee 10/95 will generally under resistate a detailed review of e		eview by the	
Question Cognitive Level: Memory or Fundamental Knowledge Comprehension or Analysis			<u>-</u>		
10 CFR Part 55 Conte	nt: 55.41	X			
	55.43	X			
KA Statement: Knowle	edge of how abnorma	al operating procedures ar	e used in conjun	ction with	

EOPs.

ES-401 Writt	ten Examination Q	uestion Workshe	et l	Form-401-5	
Examination Outline Cross-reference:		Level Tier #	RO	SRO 3	
		Group # K/A #	02	02.04.22	
		Importance Rat	ting	4.4	
Proposed Question:	SRO# 25, SE	E ATTACHED			
Proposed Answer:	<u> </u>				
Explanation (Optional):	SEE ATTAC	HED			
Technical Reference(s): (Attach if not previously provided) CSP-ST.0 Critical Safety Function Status Trees, Step 6; OM 3.7 AOP and EOP Procedure Use and Adherence					
Proposed references to be provided to applicants during examination: N/A					
Learning Objective:	043.03.LP1995.	013	(As available))	
Ouestion Source:	Bank # Modified Bank New	INPO 19175	(Note changes or attach parent)		
Question History:	Last NRC Exam				
(Optional - Questions validated at the facility since 10/95 will generally undergo less rigorous review by the NRC; failure to provide the information will necessitate a detailed review of every question)					
Question Cognitive Lev	Fundamental Kr nsion or Analysis	nowledge	<u>os</u>		
10 CFR Part 55 Content	t: 55.41	X			
	55.43	X			
KA Statement: Knowled operations.	ge of the bases for p	orioritizing safety f	unctions during abo	normal/emergency	