

**Final Submittal**  
(Blue Paper)

**FINAL OUTLINES**

**TURKEY POINT JULY/AUGUST 2005 EXAM**

**50-250/2005-301 AND 50-251/2005-301**

**JULY 18 - 22, 2005 & AUGUST 1 - 5, 2005**  
**JULY 15, 2005 (WRITTEN)**

Facility: Turkey Point  
 Exam Level (circle one): SRO-I

Date of Examination: 07/18/2005  
 Operating Test No.: 2005-301

Control Room Systems<sup>®</sup> (8 for RO; 7 for SRO-I; 2 or 3 for SRO-U)

System / JPM Title	Type Code*	Safety Function
a. Align RHR for Cold Leg Recirculation	MASL	3
b. Respond to Loss of RHR	MASL	4P
c. Recover Misaligned Control Rod with dropped rods and Reactor Trip	NAS	1
d. Respond to a Source Range Nuclear Instrument Malfunction (MODE 6)	DSL	7
e. Perform a Liquid Waste Release (R-18 Operable)	DS	9
f. Respond to Excessive RCS Leakage	MAS	2
g. Control Room Parallel Operation of 3A EDG With Grid	NAS	6
h. N/A	N/A	N/A

In-Plant Systems<sup>®</sup> (3 for RO; 3 for SRO-I; 3 or 2 for SRO-U)

i. Locally Isolate RCP Seal Cooling	DR	2
j. Transfer Vital Loads Between Inverters	D	6
k. Place Unit 4 Post-Accident Hydrogen Monitor In Service	DER	5

@ All control room (and in-plant) systems must be different and serve different safety functions; in-plant systems and functions may overlap those tested in the control room.

* Type Codes	Criteria for RO / SRO-I / SRO-U
(A)lternate path	4-6 / 4-6 / 2-3
(C)ontrol room	
(D)irect from bank	≤ 9 / ≤ 8 / ≤ 4
(E)mergency or abnormal in-plant	≥ 1 / ≥ 1 / ≥ 1
(L)ow-Power	≥ 1 / ≥ 1 / ≥ 1
(N)ew or (M)odified from bank including 1(A)	≥ 2 / ≥ 2 / > 1
(P)revious 2 exams	≤ 3 / ≤ 3 / ≤ 2 (randomly selected)
(R)CA	
(S)imulator	≥ 1 / ≥ 1 / > 1

Facility: Turkey Point  
 Exam Level (circle one): RO

Date of Examination: 07/18/2005  
 Operating Test No.: 2005-301

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d. Respond to a Source Range Nuclear Instrument Malfunction (MODE 6)	DSL	7
e. Perform a Liquid Waste Release (R-18 Operable)	DS	9
f. Respond to Excessive RCS Leakage	MAS	2
g. Control Room Parallel Operation of 3A EDG With Grid	NAS	6
h. Control Room Evacuation	DS	8

In-Plant Systems<sup>®</sup> (3 for RO; 3 for SRO-I; 3 or 2 for SRO-U)

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Facility: Turkey PointDate of Examination: 07/18/2005Examination Level (circle one): **SRO**Operating Test Number: 2005-301

Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	N	Calculate Number of Gallons of Boric Acid Required to Increase Power from 5% to 30%.
Conduct of Operations	N	Perform a QPTR Calculation and Make Tech Spec Recommendation.
Equipment Control	N	Prepare an ECO for 3C Charging Pump.
Radiation Control	M	Determine Dose Rates & Implement ALARA
Emergency Plan	D	Control Room Evacuation – Classify and Determine Notifications

NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when all 5 are required.

\* Type Codes & Criteria: (C)ontrol room  
 (D)irect from bank ( $\leq 3$  for ROs;  $\leq 4$  for SROs & RO retakes)  
 (N)ew or (M)odified from bank ( $\geq 1$ )  
 (P)revious 2 exams ( $\leq 1$ ; randomly selected)  
 (S)imulator

Facility: Turkey PointDate of Examination: 07/18/2005Examination Level (circle one): **RO**Operating Test Number: 2005-301

Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	N	Calculate Number of Gallons of Boric Acid Required to Increase Power from 5% to 30%.
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N/A	N/A	N/A

NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when all 5 are required.

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