

Facility: <u>Fermi 2</u>		Date of Examination: <u>5/24/2021</u>
Examination Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>		Operating Test Number: <u>2021-301</u>
Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	M, R	Perform Torus Water Average Temperature Calculation [K/A 2.1.45] 4.3 802-3006-402
Conduct of Operations	N, R	Determine RHR Reservoir and RHR Cooling Tower Operation [K/A 2.1.25] 3.9 802-4101-211
Equipment Control	M, R	Perform 24.138.06, Jet Pump Operability Test [K/A 2.2.12] 3.7 315-0004-101
Radiation Control	N, S	Calculate Offgas Radioactivity Release [K/A 2.3.5] 2.9 802-4101-454
Emergency Plan	N/A	
NOTE: All items (five total) are required for SROs. RO applicants require only four items unless they are retaking only the administrative topics (which would require all five items).		
* Type Codes and Criteria: (C)ontrol room, (S)imulator, or Class(R)oom (D)irect from bank (≤ 3 for ROs; ≤ 4 for SROs and RO retakes) (N)ew or (M)odified from bank (≥ 1) (P)revious 2 exams (≤ 1, randomly selected)		

Facility: <u>Fermi 2</u>	Date of Examination: <u>5/24/2021</u>
Exam Level: RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	Operating Test Number: <u>2021-301</u>

Control Room Systems:* 8 for RO, 7 for SRO-I, and 2 or 3 for SRO-U

System/JPM Title	Type Code*	Safety Function
a. Start North Reactor Recirculation Pump at Power - Alternate Path. [K/A 202001 A4.01] 3.7 / 3.7 315-0004-002	A, N, S	SF-1
b. Maintain Reactor Water Inventory Using RWCU Blowdown Operation. [K/A 204000 A4.08] 3.4 / 3.4 315-0108-001	L, M, S	SF-2
c. Failure of both RPV Pressure Regulators – Alternate Path. [K/A 241000 A4.02] 4.1 / 4.1 315-0129-202	A, D, E, S	SF-3
d. Manually Initiate Core Spray – Alternate Path. [K/A 209001 A4.03] 3.7 / 3.6 315-0140-410	A, D, E, EN, L, S	SF-4
e. Vent the Torus Irrespective of Offsite Release Rates - Alternate Path. [K/A 295024 EA1.19] 3.3 / 3.4 802-3006-502	A, E, L, M, S	SF-5
f. Fast Start and Parallel a Diesel Generator From the Control Room. [K/A 264000 A4.04] 3.7 / 3.7 315-0165-004	EN, M, S	SF-6
g. Evacuate the Main Control Room and Establish Control At the Remote Shutdown Panel. [K/A 295016 AA1.07] 4.2 / 4.3 802-2001-217	E, M, S	SF-7
h. Restore RB HVAC following Automatic Operation. [K/A 288000 A4.01] 3.1 / 2.9 315-0166-003	D, S	SF-9

In-Plant Systems:* 3 for RO, 3 for SRO-I, and 3 or 2 for SRO-U

i. Defeat of RCIC Low RPV Pressure Isolation. [K/A 295031 EA1.05] 4.3 / 4.3 802-3006-301	D, E, L, R	SF-2
j. Startup of RPS MG Set [K/A 212000 A1.01] 2.8 / 2.9 315-0027-001	D, R	SF-7
k. RBCCW Differential Pressure Control - Manual Bypass Operation – Alternate Path [K/A 400000 A1.03] 2.7 / 2.7 315-0167-404	A, N, R	SF-8

* All RO and SRO-I control room (and in-plant) systems must be different and serve different safety functions, all five SRO-U systems must serve different safety functions, and in-plant systems and functions may overlap those tested in the control room.

* Type Codes	Criteria for R /SRO-I/SRO-U
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(A)lternate path	4-6/4-6 /2-3
(C)ontrol room	
(D)irect from bank	$\leq 9/\leq 8/\leq 4$
(E)mergency or abnormal in-plant	$\geq 1/\geq 1/\geq 1$
(EN)gineered safety feature	$\geq 1/\geq 1/\geq 1$ (control room system)
(L)ow-Power/Shutdown	$\geq 1/\geq 1/\geq 1$
(N)ew or (M)odified from bank including 1(A)	$\geq 2/\geq 2/\geq 1$
(P)revious 2 exams	$\leq 3/\leq 3/\leq 2$ (randomly selected)
(R)CA	$\geq 1/\geq 1/\geq 1$
(S)imulator	