

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	D, R	Perform Torus Water Average Temperature Calculation  [K/A 2.1.45] 4.3                      802-3006-401
Conduct of Operations	N, R	Determine Time to 200°F and Time to Boil  [K/A 2.1.25] 3.9                      New JPM
Equipment Control	M, R	Perform 24.138.06, Jet Pump Operability Test – Two Loop  [K/A 2.2.12] 3.7                      802-4101-101
Radiation Control	N/A	
Emergency Plan	D, S	Perform Actions as Emergency Communicator Following Declaration of a General Emergency  [K/A 2.4.39] 3.9                      831-0001-406
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 Reactor Recirculation Pump at Power - Alternate Path. [K/A 202001 A4.01] 3.7 / 3.7 <span style="float:right">New JPM</span>	A, N, S	SF-1
b. Maintain Reactor Water Inventory Using RWCU Blowdown Operation. [K/A 204000 A4.08] 3.4 / 3.4 <span style="float:right">New JPM</span>	L, N, S	SF-2
c. Failure of both RPV Pressure Regulators – Alternate Path. [K/A 241000 A4.02] 4.1 / 4.1 <span style="float:right">315-0129-202</span>	A, D, E, S	SF-3
d. Manually Initiate Core Spray – Alternate Path. [K/A 209001 A4.03] 3.7 / 3.6 <span style="float:right">315-0140-408</span>	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 <span style="float:right">802-3106-008</span>	A, E, L, M, S	SF-5
f. Start and Parallel a Diesel Generator From the Control Room. [K/A 264000 A4.04] 3.7 / 3.7 <span style="float:right">315-0165-001</span>	EN, M, S	SF-6
g. Confirmed Fire Resulting in Equipment Control Issues From the Control Room (Hot Shorts/Open Circuits). [K/A 295016 AA1.07] 4.2 / 4.3 <span style="float:right">315-0299-203</span>	E, M, S	SF-7
h. Restore RB HVAC to operation following Automatic Isolation. [K/A 288000 A4.01] 3.1 / 2.9 <span style="float:right">315-0166-002</span>	M, 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 <span style="float:right">802-3006-301</span>	D, E, L, R	SF-2
j. Startup of RPS MG Set [K/A 212000 A1.01] 2.8 / 2.9 <span style="float:right">714-0000-003</span>	D, R	SF-7
k. Startup of RBCCW Supplemental Cooling Water Loops. [K/A 400000 A1.02] 2.8 / 2.8 <span style="float:right">315-0167-003</span>	D, 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
(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
(EN)gineered safety feature	≥ 1/≥ 1/≥ 1 (control room system)
(L)ow-Power/Shutdown	≥ 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	≥ 1/≥ 1/≥ 1
(S)imulator	