

Facility: **Davis-Besse**

Date of Examination: **12/5 thru 12/15 2011**

Exam Level: RO SRO(I) SRO(U)

Operating Test No.: **2011 NRC Exam**

Control Room Systems[@] (8 for RO); (7 for SRO-I); (2 or 3 for SRO-U, including 1 ESF)

System / JPM Title	Type Code*	Safety Function
S1. Isolate SGTR with T _h less than 500F JPM 197 (Sys 035) Mode 3	D, S	4P
S2. Perform Control Rod Exercise with RPI Malfunction JPM New (Sys 001/014) 95% Pwr	N, S, A	1
S4. Perform a CNMT Pressure Reduction Release w/malfunctions JPM New (Sys 028) Mode 3	N, S, A	8
S5. Perform PRZR boron eq. w/ PRZR spray valve malfunction JPM New (Sys 010) Mode 2	N, S, A, L	3
S6. Establish long term boron dilution With LPI train 2 JPM 002 (Sys 006) Post LOCA	D, S, EN, E	2
S7. 13.8 KV bus live Xfer w/ malfunction JPM 220 (Sys 062) Mode 1	D, S, A	6
S8. Vacuum and Gland Steam Sys Actions during a Loss of Instrument Air JPM 113 (Sys 055/056) Mode 1	D, S, A	4S

In-Plant Systems[@] (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)

P1. Place a HPI Train on alternate minimum recirc flowpath JPM 256 (Sys 006)	D, R, E, EN	2
P2. Place swing battery charger in service JPM 069 (Sys 063)	D	6
P3. Reset the overspeed mechanism and trip throttle valve for AFPT JPM 075 (Sys 061)	D, E, EN	4S

@ All RO and SRO control room (and in-plant) systems must be different and serve different safety functions; all 5 SRO-U systems must 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
(EN)gineered safety feature	- / - / ≥ 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	

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Control Room Systems[@] (8 for RO); (7 for SRO-I); (2 or 3 for SRO-U, including 1 ESF)

System / JPM Title	Type Code*	Safety Function
S1. Isolate SGTR with T _h less than 500F JPM 197 (Sys 035) Mode 3	D, S	4P
S2. Perform Control Rod Exercise with RPI Malfunction JPM New (Sys 001/014) 95% Pwr	N, S	1
S4. Perform a CNMT Pressure Reduction Release w/malfunctions JPM New (Sys 028) Mode 3	N, S, A	8
S5. Perform PRZR boron eq. w/ PRZR spray valve malfunction JPM New (Sys 010) Mode 2	N, S, A, L	3
S6. Establish long term boron dilution With LPI train 2 JPM 002 (Sys 006) Post LOCA	D, S, EN, E	2
S7. Energize C1 from Bus A JPM 220 (Sys 062) Mode 1	D, S, A	6
S8. Vacuum and Gland Steam Sys Actions during a Loss of Instrument Air JPM 113 (Sys 055/056) Mode 1	D, S, A	4S

In-Plant Systems[@] (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)

P1. Place a HPI Train on alternate minimum recirc flowpath JPM 256 (Sys 006)	D, R, E, EN	2
P2. Place swing battery charger in service JPM 069 (Sys 063)	D	6
P3. Reset the overspeed mechanism and trip throttle valve for AFPT JPM 075 (Sys 061)	D, E, EN	4S

@ All RO and SRO control room (and in-plant) systems must be different and serve different safety functions; all 5 SRO-U systems must serve different safety functions; in-plant systems and functions may overlap those tested in the control room.

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(D)irect from bank	≤ 9 / ≤ 8 / ≤ 4
(E)mergency or abnormal in-plant	≥ 1 / ≥ 1 / ≥ 1
(EN)gineered safety feature	- / - / ≥ 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	