2012 POINT BEACH NUCLEAR PLANT

INITIAL LICENSE EXAMINATION

ADDITIONAL OUTLINE SUBMITTAL FORMS – ES-301-2

Facility: Point Beach	Date of Examination: **Dec 3, 2012**
Exam Level: RO ☐ SRO-I ☒ SRO-U ☐	Operating Test No.: 2012301

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
a.		
b. *Chemical & Volume Control System* / Manually Makeup To The VCT. 004.A4.12 (3.8/3.3)	A, D, S	2
c. *Main Feedwater System* / Respond to a Loss of Secondary Heat Sink. E05.EA2.2 (3.7/4.3)	L, A, D, S	4S
d. *Reactor Coolant Pump* / RCP Malfunction APE 015/017.AK3.03 (3.7/4.0) (2009 Exam)	A, D, P, S	4P
e. *Containment Spray System* / Adjust Containment Sump pH. 026.A4.01 (4.5/4.3)	L, D, S	5
f. *Emergency Diesel Generator* / Island EDG per 1-SOP-4KV-001 064.A4.01 (4.0/4.3)	N, S	6
g. *Nuclear Instrumentation* / Return NI to Service. 015.A4.03 (3.8/3.9)	D, S	7
h. *Component Cooling System* / Shift CCW Pumps 008.A4.04 (2.6*/2.6)	D, S	8

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

System / JPM Title	Type Code*	Safety Function
i. *Steam Generator* / Locally Operate the Atmospheric Steam Dump Valve 035.K6.02 (3.1/3.5)	D, R, E	4P
j. *Instrument Air* / Start IA Compressor to Depressurized Receiver. 078.A3.01 (3.1/3.2)	A, D, E	8
k. *G05 Gas Turbine* / Locally start G05. EPE 055.EA2.03 (3.9/4.7)	A, N, E	6

@   All RO and SRO-I 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 (C)ontrol room (D)irect from bank (E)mergency or abnormal in-plant (EN)gineered safety feature (L)ow-Power / Shutdown (N)ew or (M)odified from bank including 1(A) (P)revious 2 exams (R)CA (S)imulator	4-6 / 4-6 / 2-3 ≤ 9 / ≤ 8 / ≤ 4 ≥ 1 / ≥ 1 / ≥ 1 - / - / ≥1 (control room system) ≥ 1 / ≥ 1 / ≥ 1 ≥ 2 / ≥ 2 / ≥ 1 ≤ 3 / ≤ 3 / ≤ 2 (randomly selected) ≥ 1 / ≥ 1 / ≥ 1