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July 2, 2007
BW070046

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U. S. Nuclear Regulatory Commission
Region III
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Braidwood Station, Units 1 and 2
Facility Operating License Nos. NPF-72 and NPF-77
NRC Docket Nos. STN 50-456 and STN 50-457

Subject: Submittal of Knowledge and Abilities (K/A) Statements That Will Be Suppressed from the Random Exam Generation Process

In accordance with NUREG 1021, Revision 9, "Operator Licensing Examination Standards for Power Reactors", Braidwood Station is submitting for your review the list of K/A statements that will be suppressed from the random exam generation process in support of our December 3, 2007 and December 10, 2007 license exam.

Should you have any questions concerning this letter, please contact James Petty, Acting Regulatory Assurance Manager, at (815) 417-2815.

Respectfully,

Thomas Coutu

Tom Coutu
Site Vice President
Braidwood Station

Enclosures: Braidwood Station Suppressed K/A statements

Braidwood Suppressed KAs

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
000001	*Continuous Rod Withdrawal*				
AK1.14	Knowledge of the following theoretical concepts as they apply to the Continuous Rod Withdrawal	Interaction of ICS control stations as well as purpose, function, and modes of operation of ICS	3.4	3.7	Not applicable to Braidwood.
000003	*Dropped Control Rod*				
AA1.04	Ability to operate and / or monitor the following as they apply the Dropped Control Rod:	Control rod drive safety rod out limit bypass switch or key	3.4*	3.3	Not applicable to Braidwood.
AK1.13	Knowledge of the following theoretical concepts as they apply to the Dropped Control Rod emergency task:	Interaction of ICS control stations as well as purpose, function, and modes of operation of ICS	3.2	3.6	Not applicable to Braidwood.
AK2.03	Knowledge of the following components:	Metroscope	3.1	3.2	Not applicable to Braidwood.
AK3.01	Knowledge of the reasons for the following Responses as they apply to the Dropped Control Rod:	When ICS logic has failed on a dropped rod, the load must be reduced until flux is within specified target Bank	3.5*	3.9*	Not applicable to Braidwood.
AK3.03	Knowledge of the reasons for the following Responses as they apply to the Dropped Control Rod:	Turbine automatic runback with reactor in order to balance power output	3.4*	3.7*	Not applicable to Braidwood.
AK3.04	Knowledge of the bases or reasons for the following:	Actions contained in EOP for dropped control rod	3.8	4.1	Not applicable to Braidwood.
000005	*Inoperable/Stuck Control Rod*				
AA1.03	Ability to operate and monitor the following:	Metroscope	3.4	3.4	Not applicable to Braidwood.
AA2.02	Ability to determine or interpret:	Difference between jog and run rod speeds, effect on CRDM of stuck rod	2.5	3.0	Not applicable to Braidwood.
AK1.04	Knowledge of the following theoretical concepts as they apply to the inoperable/stuck control rod emergency task:	Definitions of axial imbalance, neutron error, power demand, actual power tracking mode, ICS	3.0	3.4	Not applicable to Braidwood.
AK2.03	Knowledge of the following components:	Metroscope	3.1	3.3	Not applicable to Braidwood.
000008	*Pressurizer (PZR) Vapor Space Accident (Relief Valve Stuck Open)*				
AA2.04	Ability to determine or interpret:	High-temperature computer alarm and alarm type	3.2	3.4	Not applicable to Braidwood.
AA2.09	Ability to determine or interpret:	PZR spray block valve controls and indicators	3.6	3.7	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
000009	*Small Break LOCA*				
EA1.03	Ability to operate and monitor the following:	Low-pressure SWS activity monitor	3.2	3.2	Not applicable to Braidwood.
EA1.18	Ability to operate and monitor the following:	Balancing of HPI loop flows	3.4	3.2	Not applicable to Braidwood.
EA2.09	Ability to determine or interpret:	Low-pressure SWS activity monitor	2.8	3.3	Not applicable to Braidwood.
EA2.22	Ability to determine or interpret:	Charging flow trend recorder	3.0*	3.3*	Not applicable to Braidwood.
EA2.35	Ability to determine or interpret:	Conditions for throttling or stopping reflux boiling spray	3.4	4.1	Not applicable to Braidwood.
EK3.25	Knowledge of the bases or reasons for the following:	Monitoring of in-core T-cold	3.6	3.9	Not applicable to Braidwood.
EK3.27	Knowledge of the bases or reasons for the following:	Manual depressurization or HPI recirculation for sustained high pressure	3.6	3.8	Not applicable to Braidwood.
000011	*Large Break LOCA*				
EA1.02	Ability to operate and monitor the following:	Reflux boiling sump level indicators	3.8	4.1	Not applicable to Braidwood.
EA1.09	Ability to operate and monitor the following:	Core flood tank initiation	4.3	4.3	Not applicable to Braidwood.
EA1.16	Ability to operate and monitor the following:	Balancing of HPI loop flows	3.5	3.5	Not applicable to Braidwood.
EA2.11	Ability to determine or interpret:	Conditions for throttling or stopping HPI	3.9	4.3	Not applicable to Braidwood.
EA2.12	Ability to determine or interpret:	Conditions for throttling or stopping reflux boiling spray	3.6	3.8	Not applicable to Braidwood.
EK3.07	Knowledge of the bases or reasons for the following:	Stopping charging pump bypass flow	3.5	3.6	Not applicable to Braidwood.
000015/17	*Reactor Coolant Pump (RCP) Malfunctions*				
AA1.04	Ability to operate and monitor the following:	RCP ventilation cooling fan run indicators	2.5	2.5	Not applicable to Braidwood.
AA1.19	Ability to operate and monitor the following:	Power transfer confirm lamp	2.9	3.0	Not applicable to Braidwood.
AA2.09	Ability to determine or interpret:	When to secure RCPs on high stator temperatures	3.4	3.5	Braidwood has no procedural requirement to stop RCPs based on Stator Temperature.
AK1.03	Knowledge of the following theoretical concepts as they apply to the RCP malfunctions emergency task:	The basis for operating at a reduced power level when one RCP is out of service	3.0	4.0	Not applicable to Braidwood.
AK3.04	Knowledge of the bases or reasons for the following:	Reduction of power to below the steady state power-to-flow limit	3.1	3.2	Not applicable to Braidwood.
AK3.05	Knowledge of the bases or reasons for the following:	Shift of T-ave sensors to the loop with the highest flow	2.8*	3.0*	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
000024	*Emergency Boration*				
AA1.01	Ability to operate and monitor the following:	Use of spent fuel pool as backup to BWST	2.7*	3.4*	Not applicable to Braidwood.
AA1.08	Ability to operate and monitor the following:	Pump speed controlled to protect pump seals	2.7	3.0	Not applicable to Braidwood.
AA1.11	Ability to operate and monitor the following:	BIT suction and recirculation valves	2.9	2.7	Not applicable to Braidwood.
AA1.24	Ability to operate and monitor the following:	BIT inlet and outlet valve switches and indicators	3.2	3.1	Not applicable to Braidwood.
000025	*Loss of Residual Heat Removal System (RHRS)*				
AA1.05	Ability to operate and monitor the following:	Raw water or sea water pumps	2.7	2.6	Not applicable to Braidwood.
AA1.19	Ability to operate and monitor the following:	Block orifice bypass valve controllers and indicators	2.6*	2.4*	Not applicable to Braidwood.
AA1.22	Ability to operate and monitor the following:	Obtaining of water from BWST for LPI system	2.9	2.8	Not applicable to Braidwood.
AA2.05	Ability to determine or interpret:	Limitations on LPI flow and temperature rates of change	3.1	3.5	Not applicable to Braidwood.
AK2.04	Knowledge of the following components:	Raw water or sea water pumps	2.4	2.4	Not applicable to Braidwood.
000026	*Loss of Component Cooling Water (CCW)*				
AA1.03	Ability to operate and monitor the following:	SWS as a backup to the CCWS	3.6*	3.6*	Not applicable to Braidwood.
AA1.04	Ability to operate and monitor the following:	CRDM high-temperature alarm system	2.7	2.8	Not applicable to Braidwood.
AK3.01	Knowledge of the bases or reasons for the following:	The conditions that will initiate the automatic opening and closing of the SWS isolation valves to the CCW/nuclear service water coolers	3.2	3.5	Not applicable to Braidwood.
000027	*Pressurizer Pressure Control System (PZR PCS) Malfunction*				
AA1.04	Ability to operate and monitor the following:	Pressure recovery, using emergency-only heaters	3.9*	3.6*	Not applicable to Braidwood.
AA1.05	Ability to operate and monitor the following:	Transfer of heaters to backup power supply	3.3*	3.2*	Not applicable to Braidwood.
AA2.13	Ability to determine or interpret:	Seal return flow	2.8	2.9	Seal Return flow not impacted by PZR pressure changes Braidwood.
000028	*Pressurizer (PZR) Level Control Malfunction*				
AK3.04	Knowledge of the reasons for the following responses as they apply to the Pressurizer Level Control Malfunctions:	Change in PZR level with power change, even though RCS T-ave. constant, due to loop size difference	2.9	3.0	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
000029	*Anticipated Transient Without Scram (ATWS)*				
EA1.04	Ability to operate and monitor the following:	BIT inlet valve switches	3.9	3.8	Not applicable to Braidwood.
EA1.05	Ability to operate and monitor the following:	BIT outlet valve switches	3.7	3.6	Not applicable to Braidwood.
EA2.10	Ability to determine or interpret:	Positive displacement charging pumps	3.1	3.4	Not applicable to Braidwood.
EK3.03	Knowledge of the bases or reasons for the following:	Opening BIT inlet and outlet valves	3.7	3.6	Not applicable to Braidwood.
EK3.04	Knowledge of the bases or reasons for the following:	Closing the normal charging header isolation valves	3.1	3.1	Not applicable to Braidwood.
EK3.05	Knowledge of the bases or reasons for the following:	Closing the centrifugal charging pump recirculation valve	3.4	3.5	Not applicable to Braidwood.
000037	*Steam Generator (S/G) Tube Leak*				
AA1.03	Ability to operate and/or monitor the following as they apply to the Steam Generator Tube Leak	Loop isolation valves	3.0*	2.9	Not applicable to Braidwood
AK3.01	Knowledge of the reasons for the following responses as they apply to the Steam Generator Tube Leak:	Collection of Condensate in air ejector monitor due to its failure	2.3	2.6	Not applicable to Braidwood
AK3.04	Knowledge of the reasons for the following responses as they apply to the Steam Generator Tube Leak:	Use of "feed and bleed" process	2.5	2.9	Not applicable to Braidwood
000038	*Steam Generator Tube Rupture (SGTR)*				
EK3.07	Knowledge of the reasons for the following responses as they apply to the SGTR	RCS loop isolation valves	3.4*	3.8	Not applicable to Braidwood
000040	*Steam Line Rupture*				
AA1.21	Ability to operate and / or monitor the following as they apply to the Steam Line Rupture:	Vibration alarm	2.3*	2.5	Not applicable to Braidwood.
AA1.22	Ability to operate and / or monitor the following as they apply to the Steam Line Rupture:	Load sequencer status lights	3.0*	3.0*	Not applicable to Braidwood.
000056	*Loss of Offsite Power*				
AA1.15	Ability to operate and monitor the following:	Service water booster pump	2.7*	2.9*	Not applicable to Braidwood.
AA1.20	Ability to operate and monitor the following:	Speed switch room ventilation fan	3.0	3.0	Not applicable to Braidwood.
AA2.02	Ability to determine or interpret:	ESF load sequencer status lights	3.5*	3.6*	Not applicable to Braidwood.
AA2.11	Ability to determine or interpret:	Operational status of service water booster pump	2.9*	2.9*	Not applicable to Braidwood.
AA2.29	Ability to determine or interpret:	Service water booster pump ammeter and flowmeter	3.0*	3.2*	Not applicable to Braidwood.
AA2.38	Ability to determine or interpret:	Load sequencer status lights	3.7*	3.8	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
000057	*Loss of Vital AC Electrical Instrument Bus*				
AA2.02	Ability to determine or interpret:	Core flood tank pressure and level indicators	3.7	3.8	Not applicable to Braidwood.
AA2.08	Ability to determine or interpret:	Reactor power digital display and remote flux meter	3.4*	3.5*	Not applicable to Braidwood.
000062	*Loss of Nuclear Service Water*				
AA1.03	Ability to operate and monitor the following:	SWS as a backup to the CCWS	2.7	2.8	Not applicable to Braidwood.
AA1.04	Ability to operate and monitor the following:	CRDM high-temperature alarm system	3.6*	3.6	Not applicable to Braidwood.
AK3.01	Knowledge of the reasons for the following responses:	The conditions that will initiate the automatic opening and closing of the SWS isolation valves to the nuclear nuclear service water coolers	3.2*	3.5*	Not applicable to Braidwood.
000065	*Loss of Instrument Air*				
AA2.02	Ability to determine or interpret:	Relationship of flow readings to system operation	2.4*	2.6*	Not applicable to Braidwood.
000067	*Plant Fire on Site*				
AK3.04	Knowledge of the reasons for the following responses:	Actions contained in EOP for plant fire on site	3.3	4.1	Not applicable to Braidwood.
AA2.10	Ability to determine or interpret:	Time limit of long-term breathing air system for control room	2.9*	3.6*	Not applicable to Braidwood.
000068	*Control Room Evacuation*				
AA1.09	Ability to operate and monitor the following:	Synchroscope key	3.1*	2.7*	Not applicable to Braidwood.
AA1.20	Ability to operate and monitor the following:	Indicators for operation of startup transformer	3.2	3.2	Not applicable to Braidwood.
AK3.04	Knowledge of the reasons for the following responses:	Filling the feedwater system and closing the AFW pump discharge valve	3.0*	3.2*	Not applicable to Braidwood.
AK3.05	Knowledge of the reasons for the following responses:	Repositioning valves to isolate and drain the AFW pump turbine and steam supply header	3.5	3.6	Not applicable to Braidwood.
AK3.16	Knowledge of the reasons for the following responses:	Fail-open of the control room doors for personnel evacuation	2.8	3.3	Not applicable to Braidwood.
000074	*Inadequate Core Cooling*				
EA1.03	Ability to operate and monitor the following:	The alternate control station for turbine bypass valve operation	3.9	3.9	Not applicable to Braidwood.
EA1.08	Ability to operate and monitor the following:	HPI System	4.2	4.2	Not applicable to Braidwood.
EA1.14	Ability to operate and monitor the following:	Alarm for loss of subcooling margin	4.1	4.2	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
000076	*High Reactor Coolant Activity*				
AK3.02	Knowledge of the reasons for the following responses:	Increased CCW flow	2.4	2.6	Not applicable to Braidwood.
001000	*Control Rod Drive System*				
A1.08	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the CRDS controls including:	Verification that CRDS temperatures are within limits before starting	2.6	3.0	Not applicable to Braidwood.
A1.10	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the CRDS controls including:	Location and operation of controls and indications for CRDS component cooling water	2.9	2.7	Not applicable to Braidwood.
A1.11	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the CRDS controls including:	Required primary system subcooling during shutdown; location of indication	3.7	3.9	Not applicable to Braidwood.
A1.13	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the CRDS controls including:	"Prepower dependent insertion limit" and power dependent insertion limit, determined with metroscope	4.0?	4.2?	Not applicable to Braidwood.
A2.04	Ability to (a) predict the impacts of the following malfunction or operations on the CRDS- and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Positioning of axial shaping rods and their effect on SDM	3.2*	3.8*	Not applicable to Braidwood.
A2.08	Ability to (a) predict the impacts of the following malfunction or operations on the CRDS- and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Loss of CCW to CRDS	2.9	3.3	Not applicable to Braidwood.
A2.20	Ability to (a) predict the impacts of the following malfunction or operations on the CRDS- and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Isolation of Left coil on affected rod to prevent coil burnout	2.6	3.6	Not applicable to Braidwood.
A4.01	Ability to manually operate and/or monitor in the control room:	Controls for CCWS	3.1	2.9	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
001000	*Control Rod Drive System (Continued)*				
A4.04	Ability to manually operate and/or monitor in the control room:	Part-length rod position	3.9	3.6	Not applicable to Braidwood.
A4.07	Ability to manually operate and/or monitor in the control room:	Power source transfer check	3.3	3.3	Not applicable to Braidwood.
A4.09	Ability to manually operate and/or monitor in the control room:	CCWS	2.8	3.1	Not applicable to Braidwood.
A4.12	Ability to manually operate and/or monitor in the control room:	Stopping T/G load changes; only make minor adjustments to prevent coil burnout	2.9*	2.9	Not applicable to Braidwood.
A4.13	Ability to manually operate and/or monitor in the control room:	Stopping other changes in plant, e.g., turbine, S/G, SDBCS, boration, before adjusting rods	2.7*	2.9*	Not applicable to Braidwood.
A4.14	Ability to manually operate and/or monitor in the control room:	Resetting rod control logic while recovering from misaligned rod, using instrument Tech-Specs .	3.0	3.4	Not applicable to Braidwood.
A4.15	Ability to manually operate and/or monitor in the control room:	Stopping boration/dilution or other means of reactivity change while adjusting either rod position or T-ave .*	3.1*	3.1*	Not applicable to Braidwood.
K1.01	Knowledge of the physical connections and/or cause-effect relationships between the CRDS and the following systems:	CCW	3.0	3.2	Not applicable to Braidwood.
K1.09	Knowledge of the physical connections and/or cause-effect relationships between the CRDS and the following systems:	CCWS must be cut in before energizing CRDS	2.8	3.1	Not applicable to Braidwood.
K4.04	Knowledge of CRDS design feature(s) and/or interlock(s) which provide for the following:	Circuitry and principle of operation for LVDT or reed switch	2.5	2.8	Not applicable to Braidwood.
K5.11	Knowledge of the following theoretical concepts as they apply to the CRDS:	Reason for maintaining cross-tie breaker between between rod drive M/G sets; reliability of control rod drive trip breakers during operation of one M/G set	2.4	2.9	Not applicable to Braidwood.
K5.12	Knowledge of the following theoretical concepts as they apply to the CRDS:	Effects on power of inserting axial shaping rods	3.4	4.1	Not applicable to Braidwood.
K5.71	Knowledge of the following theoretical concepts as they apply to the CRDS:	Relationship between reactivity worth of power-shaping control rod group and other control rod groups (power-shaping, or part-length, rods have much less reactivity than full-length control	3.1	3.6	Not applicable to Braidwood.
K5.76	Knowledge of the following theoretical concepts as they apply to the CRDS:	Effects on power of inserting axial shaping rods	3.3*	3.7*	Not applicable to Braidwood.
K5.79	Knowledge of the following theoretical concepts as they apply to the CRDS:	Effects of positioning of axial shape rods on SDM	3.0*	3.6*	Not applicable to Braidwood.
K5.98	Knowledge of the following theoretical concepts as they apply to the CRDS:	Effect of adding high or low boron concentration to maintain T-ave. equal to T-ref	3.4	3.8	Not applicable to Braidwood.
K6.09	Knowledge of the effect of a loss or malfunction on the following CRDS components:	Purpose and operation of neutron flux recorder at high speed concentration	2.9*	2.9*	Not applicable to Braidwood.
002000	*Reactor Coolant System (RCS)*				
A3.02	Ability to monitor automatic operation of the RCS, including:	Containment sound-monitoring system	2.6	2.8	Not applicable to Braidwood.
A4.04	Ability to manually operate and/or monitor in the control room:	The filling/draining of LPI pumps during refueling	2.8	2.6	Not applicable to Braidwood.
A4.05	Ability to manually operate and/or monitor in the control room:	The HPI system when it is used to refill the refueling cavity	2.8	2.7	Not applicable to Braidwood.
K5.16	Knowledge of the following theoretical concepts as they apply to the RCS:	Reason for automatic features of the Feedwater control system during total loss of reactor coolant	3.5	4.0	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
		flow			
003000	*Reactor Coolant Pump System (RCPS)*				
K3.05	Knowledge of the effect that a loss of the RCPS will have on the following:	ICS	3.6	3.7	Not applicable to Braidwood.
004000	*Chemical and Volume Control System (CVCS)*				
A2.08	Ability to (a) predict the impacts of the following malfunctions or operations on the CVCS; and (b) based on those predictions, use procedures to correct, control,or mitigate the consequences of those malfunctions or operations:	Loss of heat tracing	3.0	3.7	Not applicable to Braidwood.
A2.24	Ability to (a) predict the impacts of the following malfunctions or operations on the CVCS; and (b) based on those predictions, use procedures to correct, control,or mitigate the consequences of those malfunctions or operations:	Isolation of both letdown filters at one time: down-stream relief lifts	2.8	2.8	Not applicable to Braidwood.
A2.33	Ability to (a) predict the impacts of the following malfunctions or operations on the CVCS; and (b) based on those predictions, use procedures to correct, control,or mitigate the consequences of those malfunctions or operations:	Fact that isolating cation demineralizer stops boron dilution and enables restoration of normal boron concentration	2.7	3.3	Not applicable to Braidwood.
A4.20	Ability to manually operate and/or monitor in the control room:	Deborating demineralizer selector valve and selector valve control switch	2.6	2.5	Not applicable to Braidwood.
A4.22	Ability to manually operate and/or monitor in the control room:	Boronometer chart recorder	2.5*	2.5*	Not applicable to Braidwood.
K1.09	Knowledge of the physical connections and/or cause-effect relationships between the CVCS and the following systems:	Relationship between CVCS and RPIS	2.2	2.7	Not applicable to Braidwood.
K1.25	Knowledge of the physical connections and/or cause-effect relationships between the CVCS and the following systems:	Interface between HPI flow path and excess letdown flow path	2.7*	3.2*	Not applicable to Braidwood.
K5.31	Knowledge of the operational implications of: the following concepts as they apply to the CVCS	Purpose of flow path around boric acid storage tank	3.0*	3.4	Not applicable to Braidwood.
K5.32	Knowledge of the operational implications of: the following concepts as they apply to the CVCS	Purpose and control of heat tracing (prevent crystallization)	3.1	3.4	Not applicable to Braidwood.
K5.33	Knowledge of the operational implications of: the following concepts as they apply to the CVCS	Use of a boronometer	2.3*	2.6	Not applicable to Braidwood.
K6.12	Knowledge of the effect of a loss or malfunction on the following CVCS components:	Principle of recirculation valve: (permit emergency flow even if valve is blocked by crystallized boric acid)	3.1	3.4	Not applicable to Braidwood.
005000	*Residual Heat Removal System (RHRs)*				
K4.12	Knowledge of RHRS design feature(s) and/or n interlock(s) which provide or the following:	Lineup for piggyback mode with CSS	3.1*	3.7*	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
006000	*Emergency Core Cooling System (ECCS)*				
A2.07	Ability to (a) predict the impacts of the following malfunctions or operations on the ECCS; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Loss of heat tracing	2.8	3.1	Not applicable to Braidwood.
A2.09	Ability to (a) predict the impacts of the following malfunctions or operations on the ECCS; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Radioactive release from venting RWST to atmosphere	2.6	3.2*	Not applicable to Braidwood.
A4.03	Ability to manually operate and/or monitor in the control room:	Transfer from boron storage tank to boron injection tank	3.5	3.5	Not applicable to Braidwood.
K1.07	Knowledge of the physical connections and/or cause-effect relationships between the ECCS and the following systems:	MFW System	2.9	3.3	Not applicable to Braidwood.
K1.10	Knowledge of the physical connections and/or cause-effect relationships between the ECCS and the following systems:	Safety injection tank heating system	2.6	2.8	Not applicable to Braidwood.
K2.03	Knowledge of bus power supplies to the	Heat tracing	2.3	2.5	Not applicable to Braidwood.
K4.19	Knowledge of ECCS design features(s) and/or interlock(s) which provide for the following:	Interlocks to storage tank makeup valve	3.0	3.1	Not applicable to Braidwood.
K4.20	Knowledge of ECCS design features(s) and/or interlock(s) which provide for the following:	Automatic closure of common drain line and fill valves to accumulator	3.2*	3.5*	Not applicable to Braidwood.
K4.29	Knowledge of ECCS design features(s) and/or interlock(s) which provide for the following:	BIT recirculation	2.5*	2.9*	Not applicable to Braidwood.
007000	*Pressurizer Relief Tank/Quench Tank System (PRTS)*				
A2.07	Knowledge of bus power supplies to the following:	Heat tracing	2.7	3.2	Not applicable to Braidwood.
A4.04	Ability to manually operate and/or monitor in the control room:	PZR vent valve	2.6	2.6	Not applicable to Braidwood.
K5.02	Knowledge of the operational implications of the following concepts as they apply to PRTS:	Method of forming a steam bubble in the PZR	3.1	3.4	Braidwood method of forming PZR bubble has no impact on PRT.
008000	*Component Cooling Water System (CCWS)*				
A4.11	Ability to manually operate and/or monitor in the control room:	CCW pump recirculation valve and its three-way control switch	3.0*	2.9*	Not applicable to Braidwood.
K3.02	Knowledge of the effect that a loss of malfunction of the CCWS will have on the following	CRDS	2.9	3.1	Not applicable to Braidwood.
010000	*Pressurizer Pressure Control System (PZR PCS)*				
K4.02	Knowledge of PZR PCS design feature(s) and/or interlock(s) which provide for the following:	Prevention of uncovering PZR heaters	3.0	3.4	prevention of uncovering pressurizer heaters is covered by level control circuitry and is addressed by K/A 011000K4.01

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
011000	*Pressurizer Level Control System (PZR LCS)*				
A2.08	Ability to (a) predict the impacts of the following malfunctions or operations on the PZR LCS and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Loss of level compensation	2.6	2.8	Not applicable to Braidwood.
K1.05	Knowledge of the physical connections and/or cause-effect relationships between the PZR LCS and the following systems:	Reactor regulating system	3.4	3.5	Not applicable to Braidwood.
K4.03	Knowledge of the PZR LCS design feature(s) and/or interlock(s) which provide for the following:	Density compensation of PZR level	2.6	2.9	Not applicable to Braidwood.
K6.01	Knowledge of the effect of a loss or malfunction on: the following will have on the PZR LCS:	Reasons for starting charging pump while increasing letdown flow rate	2.8*	3.2*	Not applicable to Braidwood.
012000	*Reactor Protection System*				
K6.07	Knowledge of the applicable performance and design attributes of the following RPS components:	Core protection calculator	2.9	3.2	Not applicable to Braidwood.
K6.08	Knowledge of the applicable performance and design attributes of the following RPS components:	COLSS	3.6*	3.7*	Not applicable to Braidwood.
K6.09	Knowledge of the applicable performance and design attributes of the following RPS components:	CEAC	3.6	3.7	Not applicable to Braidwood.
013000	*Engineered Safety Features Actuation System (ESFAS)*				
A1.03	Ability to predict and/or monitor changes in Parameters (to prevent exceeding design limits) Associated with operating the ESFAS controls Including:	Feedwater header differential	2.6	2.6	Not applicable to Braidwood.
K4.05	Knowledge of ESFAS design feature(s) and/or interlock(s) which provide for the following:	Core spray actuation signal reset	4.0	4.2	Not applicable to Braidwood.
K4.14	Knowledge of ESFAS design feature(s) and/or interlock(s) which provide for the following:	Upper head injection accumulator isolation	3.7	4.0	Not applicable to Braidwood.
K4.24	Knowledge of ESFAS design feature(s) and/or interlock(s) which provide for the following:	Reason for disabling of BIT so it will not function during ESF sequencer test	3.0	3.1	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
014000	*Rod Position Indication System (RPIS)*				
A1.01	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the RPIS controls including:	Metroscope reed switch display	2.9	3.1	Not applicable to Braidwood.
A2.06	Ability to (a) predict the impacts of the following malfunctions or operations on the RPIS and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Loss of LVDT	2.6	3.0	Not applicable to Braidwood.
A2.07	Ability to (a) predict the impacts of the following malfunctions or operations on the RPIS and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Loss of reed switch	2.6	2.9	Not applicable to Braidwood.
A4.03	Ability to manual operate and/or monitor in the control room:	Primary coil voltage measurement	2.6*	2.7*	Not applicable to Braidwood.
K4.01	Knowledge of RPIS design feature(s) and/or Interlock(s) which provide for the following:	Upper electrical limit	2.5	2.7	Not applicable to Braidwood.
K4.02	Knowledge of RPIS design feature(s) and/or Interlock(s) which provide for the following:	Lower electrical limit	2.5	2.7	Not applicable to Braidwood.
K4.05	Knowledge of RPIS design feature(s) and/or Interlock(s) which provide for the following:	Rod hold interlocks	3.1	3.3	Not applicable to Braidwood.
K6.03	Knowledge of the applicable performance and design attributes of the following RPIS components:	Metroscope	2.1	2.6	Not applicable to Braidwood.
015000	*Nuclear Instrumentation System*				
K1.05	Knowledge of the physical connections and/or cause-effect relationships between the NIS and the following systems:	ICS	3.9	3.9	Not applicable to Braidwood.
K1.06	Knowledge of the physical connections and/or cause-effect relationships between the NIS and the following systems:	Reactor regulating system	3.1	3.4	Not applicable to Braidwood.
K3.04	Knowledge of the effect that a loss of the NIS will have on the following:	ICS	3.4	4.0	Not applicable to Braidwood.
K3.06	Knowledge of the effect that a loss of the NIS will have on the following:	Reactor regulating system	2.9	3.2	Not applicable to Braidwood.
K4.04	Knowledge of NIS design feature(s) and/or interlock(s) which provide for the following:	Slow response time of SPNDs	3.4	3.6	Not applicable to Braidwood.
022000	*Containment Cooling System (CCS)*				
K1.02	Knowledge of the physical connections and/or cause-effect relationships between the CCS and the following systems:	SEC/remote monitoring systems	3.7	3.5	Not applicable to Braidwood.
K4.04	Knowledge of CCS design feature(s) and/or interlock(s) which provide for the following:	Cooling of control rod drive motors	2.8	3.1	Not applicable to Braidwood.
K4.05	Knowledge of CCS design feature(s) and/or interlock(s) which provide for the following:	Containment cooling after LOCA destroys ventilation ducts	2.6*	2.7	Not applicable to Braidwood.

Viewed KA 025000	Category Statement Ice Condenser System	KA Statement	RO Value	SRO Value	Suppress Basis
A1.01	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the Ice Condenser System controls including:	Temperature chart recorders	3.0	3.0	Not applicable to do not have Ice Condensers
A1.02	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the Ice Condenser System controls including:	Glycol expansion tank level	2.5	2.2	Not applicable to Braidwood.
A1.03	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the Ice Condenser System controls including:	Glycol flow to ice condenser air handling units	2.5	2.5	Not applicable to Braidwood.
A2.01	Ability to (a) predict the impacts of the following malfunctions or operations on the Ice Condenser System and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Trip of glycol circulation pumps	2.2	2.7	Not applicable to Braidwood.
A2.02	Ability to (a) predict the impacts of the following malfunctions or operations on the Ice Condenser System and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	High/low floor cooling temperature	2.7	2.5	Not applicable to Braidwood.
A2.03	Ability to (a) predict the impacts of the following malfunctions or operations on the Ice Condenser System and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Opening of ice condenser doors	3.0	3.2	Not applicable to Braidwood.
A2.04	Ability to (a) predict the impacts of the following malfunctions or operations on the Ice Condenser System and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Containment isolation	3.0	3.2	Not applicable to Braidwood.
A2.05	Ability to (a) predict the impacts of the following malfunctions or operations on the Ice Condenser System and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Abnormal glycol expansion tank level	2.5	2.7	Not applicable to Braidwood.
A2.06	Ability to (a) predict the impacts of the following malfunctions or operations on the Ice Condenser System and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Decreasing ice condenser temperature	2.5	2.7	Not applicable to Braidwood.
A3.01	Ability to monitor automatic operation of the Ice Condenser System, including:	Refrigerant system	3.0	3.0	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
025000	*Ice Condenser System (Continued.)*				
A3.02	Ability to monitor automatic operation of the Ice Condenser System, including:	Isolation valves	3.4	3.4	Not applicable to Braidwood.
A4.01	Ability to manually operate and/or monitor in the control room:	Ice condenser isolation valves	3.0	2.7	Not applicable to Braidwood.
A4.02	Ability to manually operate and/or monitor in the control room:	Containment vent fans	2.7	2.5	Not applicable to Braidwood.
A4.03	Ability to manually operate and/or monitor in the control room:	Glycol circulation pumps	2.2	2.2	Not applicable to Braidwood.
K1.01	Knowledge of the physical connections and/or cause-effect relationships between the Ice Condenser System and the following systems:	Containment ventilation	2.7	2.7	Not applicable to Braidwood.
K1.02	Knowledge of the physical connections and/or cause-effect relationships between the Ice Condenser System and the following systems:	Refrigerant systems	2.7	2.7	Not applicable to Braidwood.
K1.03	Knowledge of the physical connections and/or cause-effect relationships between the Ice Condenser System and the following systems:	Containment sump system	3.2	3.0	Not applicable to Braidwood.
K2.01	Knowledge of bus power supplies to the	Containment ventilation fans and dampers	2.2	2.7	Not applicable to Braidwood.
K2.02	Knowledge of bus power supplies to the	Refrigerant systems	2.0	2.5	Not applicable to Braidwood.
K2.03	Knowledge of bus power supplies to the	Isolation valves	2.0	2.2	Not applicable to Braidwood.
K3.01	Knowledge of the effect that a loss of the Ice Condenser System will have on the following:	Containment	3.8	3.8	Not applicable to Braidwood.
K4.01	Knowledge of Ice Condenser System design feature(s) and/or interlock(s) which provide for the following:	Glycol expansion tank levels and ice condenser system containment isolation valves	2.2	2.5	Not applicable to Braidwood.
K4.02	Knowledge of Ice Condenser System design feature(s) and/or interlock(s) which provide for the following:	System control	2.8	3.0	Not applicable to Braidwood.
K5.01	Knowledge of the following theoretical concepts as they apply to the Ice Condenser System:	Relationships between pressure and temperature	3.0	3.4	Not applicable to Braidwood.
K5.02	Knowledge of the following theoretical concepts as they apply to the Ice Condenser System:	Heat transfer	2.6	2.8	Not applicable to Braidwood.
K5.03	Knowledge of the following theoretical concepts as they apply to the Ice Condenser System:	Gas laws	2.4	2.8	Not applicable to Braidwood.
K6.01	Knowledge of the applicable performance and design attributes of the following Ice Condenser	Upper and lower doors of the ice condenser	3.4	3.6	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
026000	*Containment Spray System (CSS)*				
A2.09	Ability to (a) predict the impacts of the following malfunctions or operations on the CSSS and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Radiation hazard potential of BWST	2.5*	2.9*	Not applicable to Braidwood.
K1.02	Knowledge of the physical connections and/or cause-effect relationships between the CSS and the following systems:	Cooling water	4.1	4.1	Braidwood Containment Spray pumps have no cooling water
K3.02	Knowledge of the effect that a loss or malfunction of the CSS will have on the following:	Recirculation spray system	3.9	4.1	Not applicable to Braidwood
028000	*Hydrogen Recombiner and Purge Control System (HRPS)*				
K1.01	Knowledge of the physical connections and/or cause effect relationships between the HRPS and the following systems:	Containment annulus ventilation system (including pressure limits)	2.5*	2.5	Braidwood Hydrogen Recombiners no longer in use
K1.02	Knowledge of the physical connections and/or cause effect relationships between the HRPS and the following systems:	Air supply system	2.5*	2.5	Braidwood Hydrogen Recombiners no longer in use
K2.01	Knowledge of the power supplies to the following:	Hydrogen Recombiners	2.5*	2.8*	Braidwood Hydrogen Recombiners no longer in use
K3.01	Knowledge of the effect that a loss or malfunction of the HRPS will have on the following:	Hydrogen concentration in containment	3.3	4.0	Braidwood Hydrogen Recombiners no longer in use
K5.01	Knowledge of the operational implications of the following concepts as they apply to the HRPS:	Explosive hydrogen concentration	3.4	3.9	Braidwood Hydrogen Recombiners no longer in use
K5.02	Knowledge of the operational implications of the following concepts as they apply to the HRPS:	Flammable hydrogen concentration	3.4	3.9	Braidwood Hydrogen Recombiners no longer in use
K5.03	Knowledge of the operational implications of the following concepts as they apply to the HRPS:	Sources of hydrogen within containment	2.9	3.6*	Braidwood Hydrogen Recombiners no longer in use
K5.04	Knowledge of the operational implications of the following concepts as they apply to the HRPS:	The selective removal of hydrogen	2.6?	3.2?	Braidwood Hydrogen Recombiners no longer in use
K6.01	Knowledge of the effect that a loss or malfunction on the following will have on the HRPS:	Hydrogen Recombiners	2.6	3.1	Braidwood Hydrogen Recombiners no longer in use
A1.01	Ability to predict and/or monitor changes in parameter (to prevent exceeding design limits) associated with operating the HRPS controls including:	Hydrogen concentration	3.4	3.8	Braidwood Hydrogen Recombiners no longer in use

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
028000	*Hydrogen Recombiner and Purge Control System (HRPS) (Continued.)*				
A1.02	Ability to predict and/or monitor changes in parameter (to prevent exceeding design limits) associated with operating the HRPS controls including:	Containment pressure	3.4*	3.7*	Braidwood Hydrogen Recombiners no longer in use
A2.01	Ability to (a) predict the impacts of the following malfunctions or operations on the HRPS; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Hydrogen recombiner power setting, determined by using plant data book	3.4*	3.6*	Braidwood Hydrogen Recombiners no longer in use
A2.02	Ability to (a) predict the impacts of the following malfunctions or operations on the HRPS; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	LOCA condition and related concern over hydrogen	3.5	3.9	Braidwood Hydrogen Recombiners no longer in use
A2.03	Ability to (a) predict the impacts of the following malfunctions or operations on the HRPS; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	The hydrogen air concentration in excess of limit flame propagation or detonation with resulting equipment damage in containment	3.4*	3.6*	Braidwood Hydrogen Recombiners no longer in use
A4.01	Ability to manually operate and/or monitor in the control room:	HRPS controls	4.0*	4.0*	Braidwood Hydrogen Recombiners no longer in use
033000	*Spent Fuel Pool Cooling System (SFPCS)*				
A4.02	Ability to manually operate and/or monitor in the control room:	SFPCS valves	2.4	2.8	Not applicable to Braidwood.
034000	*Fuel Handling*				
K1.05	Knowledge of the physical connections and/or cause effect relationships between the Fuel Handling System and the following systems:	Shutdown monitor	2.5*	3.4*	Not applicable to Braidwood.
035000	*Steam Generator System (S/GS)*				
K4.04	Knowledge of S/GS design feature(s) and/or interlock(s) which provide for the following:	Radiation high-level isolation while draining S/G secondary to main condenser	2.8*	3.1*	Not applicable to Braidwood.
039000	*Main and Reheat Steam System (MRSS)*				
A4.04	Ability to manually operate and/or monitor in the control room:	Emergency feedwater pump turbines	3.8	3.9	Not applicable to Braidwood.
K3.03	Knowledge of the effect that a loss of the MRSS will have on the following:	AFW pumps	3.2	3.5	Not applicable to Braidwood
K1.07	Knowledge of the physical connections and/or cause effect relationships between the MRSS and the following systems:	AFW	3.4*	3.4*	Not applicable to Braidwood.
K4.07	Knowledge of MRSS design feature(s) and/or interlock(s) which provide for the following:	Reactor building isolation	3.4	3.7	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
041000	*Steam Dump System (SDS) and Turbine Bypass Control*				
A4.01	Ability to manually operate and/or monitor in the control room:	ICS voltage inverter	2.9*	3.1*	Not applicable to Braidwood.
A4.07	Ability to manually operate and/or monitor in the control room:	Remote gagging of stuck open relief valves	2.9	3.0	Not applicable to Braidwood.
K2.01	Knowledge of bus power supplies to the following:	ICS, normal and alternate power supply	2.5	2.6	Not applicable to Braidwood.
K2.02	Knowledge of bus power supplies to the following:	ICS inverter breakers	2.8	2.9	Not applicable to Braidwood.
K4.01	Knowledge of SDS design feature(s) and/or interlock(s) which provide for the following:	RRG/ICS system	2.9*	3.3*	Not applicable to Braidwood
K4.15	Knowledge of SDS design feature(s) and/or interlock(s) which provide for the following:	"Measured variable" readings on ICS hand-automatic stations and required action if reading is out of the acceptable band	2.9*	2.9*	Not applicable to Braidwood
045000	*Main Turbine Generator (MT/G) System*				
K4.08	Knowledge of MT/G System design feature(s) and/or interlock(s) which provide for the following:	The reactor bailey station and reactor diamond station in integrated control circuitry	2.6	3.0	Not applicable to Braidwood.
K4.44	Knowledge of MT/G system design feature(s) and/or interlock(s) which provide for the following:	impulse pressure mode control of steam dumps	2.5*	2.8*	Not applicable to Braidwood
055000	*Condenser Air Removal System (CARS)*				
A3.03	Ability to monitor automatic operation of the CARS, including:	Automatic diversion of CARS exhaust	2.5*	2.7*	Not applicable to Braidwood.
059000	*Main Feedwater (MFW) System*				
A1.07	Ability to (a) predict and/or monitor changes in parameters (to prevent exceeding design Limits) associated with operating the MFW Controls including:	Feed pump speed, including normal control speed for ICS	2.5*	2.6*	Not applicable to Braidwood.
A3.07	Ability to monitor automatic operation of the MFW System, including:	ICS	3.4	3.5	Not applicable to Braidwood.
A4.10	Ability to manually operate and/or monitor in the control room:	ICS	3.9	3.8	Not applicable to Braidwood.
K1.07	Knowledge of the physical connections and/or cause-effect relationships between the MFW System and the following systems:	ICS	3.2	3.2	Not applicable to Braidwood.
K4.02	Knowledge of MFW System design feature(s) and/or interlock(s) which provide for the following:	Automatic turbine/reactor trip runback	3.3	3.5	Not applicable to Braidwood.
K4.17	Knowledge of MFW System design feature(s) and/or interlock(s) which provide for the following:	Increased feedwater flow following a reactor trip	2.5	2.8	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
061000	*Auxiliary / Emergency Feedwater (AFW) System*				
A1.03	Ability to (a) predict and/or monitor changes In parameters (to prevent exceeding design Limits) associated with operating the AFW Controls including:	Interactions when multi unit systems are cross tied	3.1*	3.6*	Not applicable to Braidwood.
A2.02	Ability to (a) predict the impacts of the following malfunctions or operations on the AFW System and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Loss of air to steam supply valve	3.2	3.6	Not applicable to Braidwood.
A3.04	Ability to monitor automatic operation of the AFW System, including:	Automatic AFW isolation	4.1	4.2	Not applicable to Braidwood.
K1.09	Knowledge of the physical connections and/or cause-effect relationships between the AFW and the following systems:	PRMS	2.6*	2.8*	Not applicable to Braidwood.
K1.11	Knowledge of the physical connections and/or cause-effect relationships between the AFW and the following systems:	AFW turbine exhaust drains	2.7	2.8*	Not applicable to Braidwood.
K4.07	Knowledge of AFW System design feature(s) and/or interlock(s) which provide for the following:	Turbine trip, including overspeed	3.1	3.3	Not applicable to Braidwood.
K4.09	Knowledge of AFW System design feature(s) and/or interlock(s) which provide for the following:	Cross-ties between multi-unit station	3.7	3.3	Not applicable to Braidwood.
K4.11	Knowledge of AFW System design feature(s) and/or interlock(s) which provide for the following:	Automatic level control	2.7	2.9	Not applicable to Braidwood.
K4.14	Knowledge of AFW System design feature(s) and/or interlock(s) which provide for the following:	AFW automatic isolation	3.5	3.7	Not applicable to Braidwood.
K5.04	Knowledge of the following theoretical concepts as they apply to the AFW System:	Reason for warming up turbine prior to turbine startup	2.3	2.5	Not applicable to Braidwood.
068000	*Liquid Radwaste System (LRS)*				
A2.03	Ability to (a) predict the impacts of the following malfunctions or operations on the Liquid Radwaste System; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations:	Insufficient sampling frequency of the boric acid in the evaporator bottoms	2.5*	2.6*	Not applicable to Braidwood.
A3.01	Ability to monitor automatic operation of theLiquid Radwaste System, including:	Evaporator pressure control	2.5*	2.4*	Not applicable to Braidwood.
A4.01	Ability to manually operate and/or monitor in the control room:	Control board for boron recovery	2.7*	2.4*	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
071000	Waste Gas Disposal System (WGDS)				
A4.01	Ability to manually operate and/or monitor in the control room:	Valve to put the holdup tank into service; indications of valve positions and tank pressure	2.7*	2.2*	Braidwood main control rooms do not contain equipment or instrumentation to monitor or perform gas decay tank operations.
A4.02	Ability to manually operate and/or monitor in the control room:	Waste-gas compressor, including control switch, unloading valve, and drain valve	2.5*	2.3*	Braidwood main control rooms do not contain equipment or instrumentation to monitor or perform gas compressor operations.
A4.03	Ability to manually operate and/or monitor in the control room:	Wvalves and indications for sealing water to the, gas compressor shaft	2.6*	2.2*	Braidwood main control rooms do not contain equipment or instrumentation to monitor or perform gas compressor operations.
A4.05	Ability to manually operate and/or monitor in the control room:	Gas decay tanks, including valves, indicators, and sample line	2.6*	2.6*	Braidwood main control rooms do not contain equipment or instrumentation to monitor or perform gas decay tank operations.
A4.07	Ability to manually operate and/or monitor in the control room:	Waste gas release flow meter	3.0*	3.0*	Braidwood main control rooms do not contain equipment or instrumentation to monitor waste gas release flow.
A4.10	Ability to manually operate and/or monitor in the control room:	WGDS sampling	2.5*	2.4*	Braidwood main control rooms do not contain equipment or instrumentation to monitor or perform gas decay tank operations.
A4.11	Ability to manually operate and/or monitor in the control room:	WGDS startup and shutdown	2.5	2.3	Braidwood main control rooms do not contain equipment or instrumentation to monitor or perform gas decay tank operations.
A4.13	Ability to manually operate and/or monitor in the control room:	Recovery from automatic termination of gas release due to PRM system alarm	3.0	3.1	Braidwood main control rooms do not contain equipment or instrumentation to monitor or perform gas decay tank operations.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
071000	*Waste Gas Disposal System (WGDS) (Continued)*				
A4.14	Ability to manually operate and/or monitor in the control room:	WGDS status alarms	2.8	3.0	Braidwood main control rooms do not contain equipment or instrumentation to monitor or perform gas decay tank operations.
A4.16	Ability to manually operate and/or monitor in the control room:	Waste gas decay tank shifts	2.5	2.2	Braidwood main control rooms do not contain equipment or instrumentation to monitor or perform gas decay tank operations.
A4.17	Ability to manually operate and/or monitor in the control room:	Stopping transfer of radioactive liquids to WGDS tank	2.6	2.5	Braidwood main control rooms do not contain equipment or instrumentation to monitor or perform gas decay tank operations.
A4.19	Ability to manually operate and/or monitor in the control room:	Bringing an empty WDGS tank on line and shutting down a full tank	2.5*	2.2*	Braidwood main control rooms do not contain equipment or instrumentation to monitor or perform gas decay tank operations.
A4.20	Ability to manually operate and/or monitor in the control room:	Placing WGDS gas compressors in automatic operation	2.5*	2.2*	Braidwood main control rooms do not contain equipment or instrumentation to monitor or perform gas compressor operations.
A4.30	Ability to manually operate and/or monitor in the control room:	Water drainage from WGDS decay tanks	2.9	2.6	Braidwood main control rooms do not contain equipment or instrumentation to monitor or perform gas decay tank operations.
K4.03	Knowledge of design feature(s) and/or interlocks which provide for the following:	Tank loop seals	2.5*	2.6*	Not applicable to Braidwood
073000	*Process Radiation Monitoring (PRM) System*				
K4.02	Knowledge of PRM System design feature(s) and/or interlocks which provide for the following:	Letdown isolation on high-RCS activity	3.3*	3.9*	Not applicable to Braidwood

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
076000	*Service Water System (SWS)*				
A1.02	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits): associated with operating the SWS controls including:	Reactor and turbine building closed cooling water temperatures.	2.5*	2.3	Not applicable to Braidwood.
K1.07	Knowledge of the physical connections and/or cause-effect relationships between the SWS and the following systems:	Secondary closed cooling water	2.6*	2.6*	Not applicable to Braidwood.
K1.09	Knowledge of the physical connections and/or cause-effect relationships between the SWS and the following systems:	Reactor building closed cooling water	3.0	3.1	Not applicable to Braidwood.
K2.04	Knowledge of bus power supplies to the	Reactor building closed cooling water	2.5	2.6	Not applicable to Braidwood.
K3.03	Knowledge of the effect that a loss of the SWS will have on the following:	Reactor building closed cooling water	3.5	3.9	Not applicable to Braidwood.
K4.01	Knowledge of SWS design feature(s) and/or interlock(s) which provide for the following:	Conditions initiating automatic closure of closed cooling water auxiliary building header supply and	2.5	2.9	Not applicable to Braidwood.
K4.03	Knowledge of SWS design feature(s) and/or interlock(s) which provide for the following:	Automatic opening features associated with SWS isolation valves to CCS heat exchangers	2.9*	3.4*	Not applicable to Braidwood.
078000	*Instrument Air System (IAS)*				
K1.05	Knowledge of the physical connections and/or cause-effect relationships between the IAS and the following systems:	MSIV air	3.4	3.5	Not applicable to Braidwood.
K2.02	Knowledge of bus power supplies to the	Emergency air compressor	3.3	3.5	Not applicable to Braidwood.
086000	*Fire Protection System (FPS)*				
A1.02	Ability to predict and/or monitor changes in parameters (to prevent exceeding design limits) associated with operating the FPS controls including:	Fire water storage tank level	3.0	3.2	Not applicable to Braidwood.
A4.04	Ability to manually operate and/or monitor in the control room:	Fire water storage tank makeup pumps	3.4	3.3	Not applicable to Braidwood.
K1.01	Knowledge of the physical connections and/or cause-effect relationships between the FPS and the following systems:	High-pressure service water	3.0	3.4	Not applicable to Braidwood.

Viewed KA	Category Statement	KA Statement	RO Value	SRO Value	Suppress Basis
103000	*Containment System*				
A4.09	Ability to manually operate and/or monitor in the control room:	Containment vacuum system	3.1	3.7	Not applicable to Braidwood.
K1.03	Knowledge of the physical connections and/or cause-effect relationships between the Containment System and the following systems:	Shield building vent system	3.1	3.5	Not applicable to Braidwood.
K1.07	Knowledge of the physical connections and/or cause-effect relationships between the Containment System and the following systems:	Containment vacuum system	3.5	3.7	Not applicable to Braidwood.
K4.01	Knowledge of Containment System design feature(s) and/or interlock(s) which provide for the following:	Vacuum breaker protection	3.0	3.7	Not applicable to Braidwood.

Braidwood Exam Author

Braidwood Facility Representative