

BFN-16

TABLE 7.6-1 (Sheet 1)

REFUELING INTERLOCK EFFECTIVENESS

<u>Situation</u>	<u>Refueling Platform Position</u>	<u>Refueling Platform Hoists</u>			<u>Service Platform Hoist</u>	<u>Control Rods</u>	<u>Mode Switch</u>	<u>Attempt</u>	<u>Result</u>
		<u>MMH*</u>	<u>FMH*</u>	<u>FG</u>					
1.	Not near core	UL*	UL*	UL*	UL*	All rods fully inserted	Refuel	Move refueling platform over core	No restrictions
2.	Not near core	UL	UL	UL	UL	All rods fully inserted	Refuel	Withdraw rods	Cannot withdraw more than one rod
3.	Not near core	UL	UL	UL	UL	One rod withdrawn	Refuel	Move refueling platform over core	No restrictions
4.	Not near core	Any hoist loaded or FG not fully up			UL	One rod withdrawn	Refuel	Move refueling platform over core	Platform stopped before over core
5.	Not near core	UL	UL	UL	UL	More than one rod withdrawn	Refuel	Move refueling platform over core	Platform stopped before over core
6.	Over core	UL	UL	UL	UL	All rods fully inserted	Refuel	Withdraw rods	Cannot withdraw more than one rod
7.	Over core	Any hoist loaded or FG not fully up			UL	All rods fully inserted	Refuel	Withdraw rods	Rod block
8.	Not near core	UL	UL	UL	L*	All rods fully inserted	Refuel	Withdraw rods	Rod block
9.	Not near core	UL	UL	UL	L	All rods fully inserted	Refuel	Operate service platform hoist	No restrictions
10.	Not near core	UL	UL	UL	L	One rod withdrawn	Refuel	Operate service platform hoist	Hoist operation prevented

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TABLE 7.6-1 (Sheet 2)

REFUELING INTERLOCK EFFECTIVENESS

<u>Situation</u>	<u>Refueling Platform Position</u>	<u>Refueling Platform Hoists</u>			<u>Service Platform Hoist</u>	<u>Control Rods</u>	<u>Mode Switch</u>	<u>Attempt</u>	<u>Result</u>
		<u>MMH*</u>	<u>FMH*</u>	<u>FG</u>					
11.	Not near core	UL	UL	UL	UL	All rods fully inserted	Startup	Move refueling platform over core	Platform stopped
12.	Not near core	UL	UL	UL	L	All rods fully inserted	Startup	Operate service platform hoist	No restrictions
13.	Not near core	UL	UL	UL	L	One rod withdrawn	Startup	Operate service platform hoist	Hoist operations prevented
14.	Not near core	UL	UL	UL	L	All rods fully inserted	Startup	Withdraw rods	Rod block
15.	Not near core	UL	UL	UL	UL	All rods not fully inserted	Startup	Withdraw rods	No restrictions
16.	Over core	UL	UL	UL	UL	All rods fully inserted	Startup	Withdraw rods	Rod block
17.	Any	Any condition		Any condition		Any condition, reactor not at power	Startup	Turn mode switch to run	Scram

*LEGEND: MMH - Monorail Mounted Hoist
 FMH - Frame Mounted Hoist
 FG - Fuel Grapple
 UL - Unloaded
 L - Fuel-loaded