

- (3) Pursuant to the Act and 10 CFR Parts 30, 40, and 70 to receive, possess and use at any time any byproduct, source and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;
- (4) Pursuant to the Act and 10 CFR Parts 30, 40 and 70, to receive, possess and use in amounts as required any byproduct, source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument and equipment calibration or associated with radioactive apparatus or components.
- (5) Pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.

C. This renewed operating license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I:

Part 20, Section 30.34 of Part 30; Section 40.41 of Part 40; Section 50.54 and 50.59 of Part 50; and Section 70.32 of Part 70. This renewed license is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect and is also subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

The licensee is authorized to operate the facility at steady state reactor core power levels not in excess of 1850 megawatts (thermal).

(2) Technical Specifications

The Technical Specifications contained in Appendix A, which is attached hereto, as revised through Amendment No. 197, is hereby incorporated into this license. Nine Mile Point Nuclear Station, LLC shall operate the facility in accordance with the Technical Specifications.

(3) Deleted

## LIMITING CONDITION FOR OPERATION

### 3.2.7 REACTOR COOLANT SYSTEM ISOLATION VALVES

#### Applicability:

Applies to the operating status of the system of isolation valves on lines connected to the reactor coolant system.

#### Objective:

To assure the capability of the reactor coolant system isolation valves to minimize reactor coolant loss in the event of a rupture of a line connected to the nuclear steam supply system, and to minimize potential leakage paths from the primary containment in the event of a loss-of-coolant accident.

#### Specification:

- a. Whenever fuel is in the reactor vessel and the reactor coolant temperature is greater than 212°F, all reactor coolant system isolation valves on lines connected to the reactor coolant system shall be operable except as specified in Specification 3.2.7.b below.
- b. In the event any isolation valve becomes inoperable whenever fuel is in the reactor vessel and the reactor coolant temperature is greater than 212°F, the system shall be considered operable provided that within 4 hours at least one valve in each line having an inoperable valve is in the mode corresponding to the isolated condition, except as noted in Specification 3.1.1.e.

## SURVEILLANCE REQUIREMENT

### 4.2.7 REACTOR COOLANT SYSTEM ISOLATION VALVES

#### Applicability:

Applies to the periodic testing requirement for the reactor coolant system isolation valves.

#### Objective:

To assure the capability of the reactor coolant system isolation valves to minimize reactor coolant loss in the event of a rupture of a line connected to the nuclear steam supply system, and to limit potential leakage paths from the primary containment in the event of a loss-of-coolant accident.

#### Specification:

The reactor coolant system isolation valves surveillance shall be performed as indicated below.

- a. At least once per operating cycle the operable automatically initiated power-operated isolation valves shall be tested for automatic initiation and closure times.
- b. Additional surveillances shall be performed as required by Specification 6.5.4.

## LIMITING CONDITION FOR OPERATION

- c. If Specifications 3.2.7a and b above are not met, initiate normal orderly shutdown within one hour and have reactor in the cold shutdown condition within ten hours.
- d. Whenever fuel is in the reactor vessel and the reactor coolant temperature is less than or equal to 212°F, the isolation valves on the shutdown cooling system lines connected to the reactor coolant system shall be operable except as specified in Specification 3.2.7.e below.
- e. In the event any shutdown cooling system isolation valve becomes inoperable whenever fuel is in the reactor vessel and the reactor coolant temperature is less than or equal to 212°F, the system shall be considered operable provided that, within 4 hours, at least one valve in each line having an inoperable valve is in the mode corresponding to the isolated condition.
- f. If Specifications 3.2.7.d and 3.2.7.e above are not met, either:
  - (1) Immediately initiate action to suspend operations with a potential for draining the reactor vessel (OPDRVs); or
  - (2) Immediately initiate action to restore the valve(s) to operable status.

## SURVEILLANCE REQUIREMENT

- c. At least once per quarter the feedwater and main-steam line power-operated isolation valves shall be exercised by partial closure and subsequent reopening.
- d. At least once per plant cold shutdown the feedwater and main steam line power-operated isolation valves shall be fully closed and reopened, unless this test has been performed within the previous 92 days.

TABLE 3.6.2b

**INSTRUMENTATION THAT INITIATES  
PRIMARY COOLANT SYSTEM OR CONTAINMENT ISOLATION**

**Limiting Condition for Operation**

<u>Parameter</u>	<u>Minimum No. of Tripped or Operable Trip Systems</u>	<u>Minimum No. of Operable Instrument Channels per Operable Trip System</u>	<u>Set Point</u>	<u>Reactor Mode Switch Position in Which Function Must Be Operable</u>			
				<u>Shutdown</u>	<u>Refuel</u>	<u>Startup</u>	<u>Run</u>
<b><u>PRIMARY COOLANT ISOLATION</u></b>							
(Main Steam, Cleanup, and Shutdown Cooling)							
(1) Low-Low Reactor Water Level							
(a) Main Steam and Cleanup	2	2(f)	≥ 5 inches (Indicator Scale)	(i)		x	x
(b) Shutdown Cooling	2(j)	2(f)(j)	≥ 5 inches (Indicator Scale)	x	x	x	x
(2) Manual	2	1	---	x	x	x	x
<b><u>MAIN-STEAM-LINE ISOLATION</u></b>							
(3) High Steam Flow Main-Steam Line	2	2(f)	≤ 105 psid			x	x

TABLE 3.6.2b (cont'd)

**INSTRUMENTATION THAT INITIATES  
PRIMARY COOLANT SYSTEM OR CONTAINMENT ISOLATION**

**Limiting Condition for Operation**

<u>Parameter</u>	<u>Minimum No. of Tripped or Operable Trip Systems</u>	<u>Minimum No. of Operable Instrument Channels per Operable Trip System</u>	<u>Set Point</u>	<u>Reactor Mode Switch Position in Which Function Must Be Operable</u>			
				<u>Shutdown</u>	<u>Refuel</u>	<u>Startup</u>	<u>Run</u>
<u>CLEANUP SYSTEM ISOLATION</u>							
(8) High Area Temperature	1	2(g)	≤ 190°F	(i)		x	x
<u>SHUTDOWN COOLING SYSTEM ISOLATION</u>							
(9) High Area Temperature	1	1	≤ 170°F	(i)		x	x
<u>CONTAINMENT ISOLATION</u>							
(10) Low-Low Reactor Water	2	2(f)	≥ 5 inches (Indicator Scale)	(c)		x	x

TABLE 4.6.2b

**INSTRUMENTATION THAT INITIATES  
PRIMARY COOLANT SYSTEM OR CONTAINMENT ISOLATION**

**Surveillance Requirement**

<b><u>Parameter</u></b>	<b><u>Sensor Check</u></b>	<b><u>Instrument Channel Test</u></b>	<b><u>Instrument Channel Calibration</u></b>
<b><u>PRIMARY COOLANT ISOLATION</u></b> (Main Steam, Cleanup and Shutdown Cooling)			
(1) Low-Low Reactor Water Level	Once/day	Once per 3 months <sup>(d)</sup>	Once per 3 months <sup>(d)</sup>
(2) Manual	---	Once during each major refueling outage	---
<b><u>MAIN-STEAM-LINE ISOLATION</u></b>			
(3) High Steam Flow Main- Steam Line	Once/day	Once per 3 months <sup>(d)</sup>	Once per 3 months <sup>(d)</sup>
(4) Deleted			
(5) Low Reactor Pressure	Once/day	Once per 3 months <sup>(d)</sup>	Once per 3 months <sup>(d)</sup>

**NOTES FOR TABLES 3.6.2b and 4.6.2b**

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- (g) A channel may be placed in an inoperable status for up to 6 hours for required surveillances without placing the Trip System in tripped condition provided at least one Operable Instrument Channel in the same Trip System is monitoring that Parameter.

With the number of Operable channels one less than required by the Minimum Number of Operable Instrument Channels for the Operable Trip System, either

1. Place the inoperable channel(s) in the tripped condition within 24 hours.
- or
2. Take the ACTION required by Specification 3.6.2a for that Parameter.

- (h) Only applicable during startup mode while operating in IRM range 10.

- (i) May be bypassed in the cold shutdown condition.

- (j) In the cold shutdown and refueling conditions, only one Operable Trip System is required provided shutdown cooling system integrity is maintained. With one of the two required Operable Channels in the required Trip System not operable, place the inoperable channel in the tripped condition within 12 hours. Otherwise, either:

1. Immediately initiate action to restore the channel to operable status.
- or
2. Immediately initiate action to isolate the shutdown cooling system.