MSIV LEAKAGE CONTROL

ENTRY CONDITIONS

A condition which requires MSIV isolation
AND
Main steam line radiation level high - high
AND
Any of the following conditions:

- Turbine Building HVAC radiation (2HVT-RE206) above the "Alert" level (yellow) or cannot be determined
  OR
- Offgas pretreatment radiation (2OFG-RE13A/B) above the "Alert" level (yellow) or cannot be determined
  OR
- Stack or vent GEMs exceed the alarm setpoint (P882)

Activate the Emergency Plan, if required, in accordance with EAP-1

While executing the following steps:

IF	THEN
Turbine Building HVAC exhaust radiation level exceeds the Turbine Building Release Limit (Figure MSL-1) or cannot be determined	Verify that Turbine Building HVAC is operating in the normal mode (OP-55, Section E.1)
Control Building HVAC radiation level cannot be maintained below 5.92E-6 µCi/cc (2HVC*RE18A-D)	Verify that Control Building HVAC is operating in the pressurization mode (OP-53A, Section H.6)

Verify that the MSIVs are closed

WAIT until Main steam line radiation exceeds the MSL Rad Limit (Figure MSL-2) or cannot be determined

WAIT until Turbine Building HVAC radiation level exceeds the Turbine Building Release Limit (Figure MSL-1) or cannot be determined
OR
Offgas pretreatment radiation level exceeds the Offgas Release Limit (Figure MSL-3) or cannot be determined
OR
Offsite radioactivity release rate exceeds the Emergency Plan "Alert" level (as determined by chemistry)

Operate available SJAEs through Offgas (EOP-6, Att 16)

IF	THEN
SJAEs or Offgas become unavailable **AND** Turbine Building HVAC radiation level exceeds the Turbine Building Release Limit (Figure MSL-1)	1. Close the following valves: • Main turbine stop, control, and bypass valves • 2ARC-MOV5A, B, and C • 2MSS-AOV92A and B • 2ASS-AOV148 • 2TME-AOV121 • 2ARC-AOV105 • 2ARC-MOV15A and B 2. Establish the main turbine seals (OP-25, Section F.4) 3. Start all circulating water pumps (OP-10A, Sections E.2.0 - E.5.0) 4. Fill the main steam lines between the MSIVs with water (EOP-6, Att 17)
The offsite radioactivity release rate cannot be maintained below the Emergency Plan "General Emergency" level (as determined by chemistry) **AND** A primary system is discharging into an area outside the primary and secondary containments	**EMERGENCY RPV DEPRESSURIZATION IS REQUIRED**; enter RPV Control and execute it concurrently with this procedure

* RPV Control, Section RP
* C3
* C5

FIGURE MSL-1
TURBINE BUILDING RELEASE LIMIT

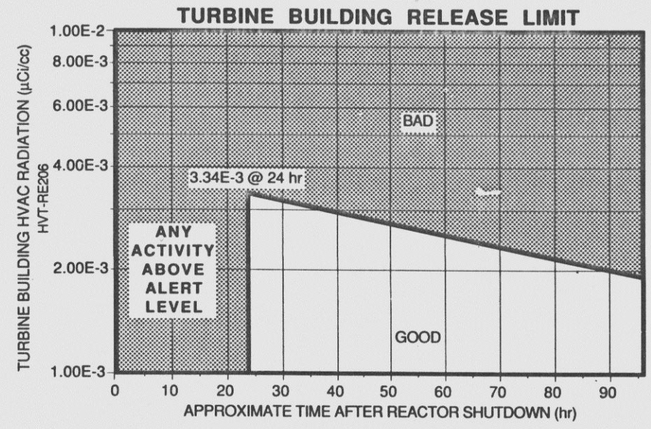


FIGURE MSL-2
MSL RAD LIMIT

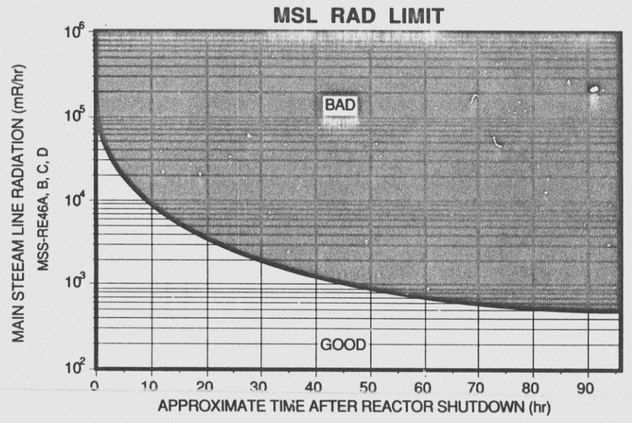
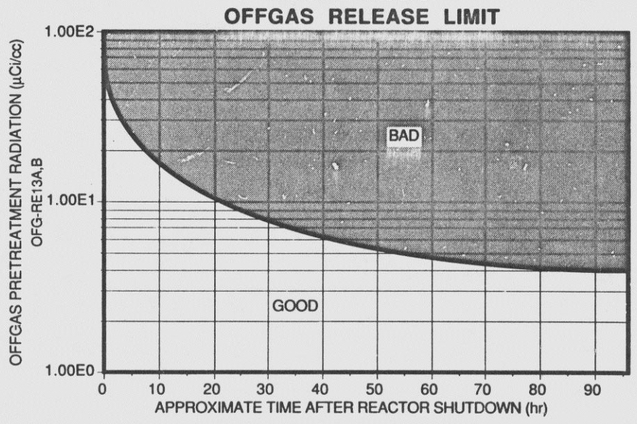


FIGURE MSL-3
OFFGAS RELEASE LIMIT



NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT NUCLEAR STATION UNIT 2
EMERGENCY OPERATING PROCEDURE

Plant Manager NMP2: R B Calvert Date: 1/10/91

This procedure not to be used after: December 1992 Subject to periodic review.

TITLE	MSIV LEAKAGE CONTROL	
Procedure Number	N2-EOP-MSL	Rev 4