

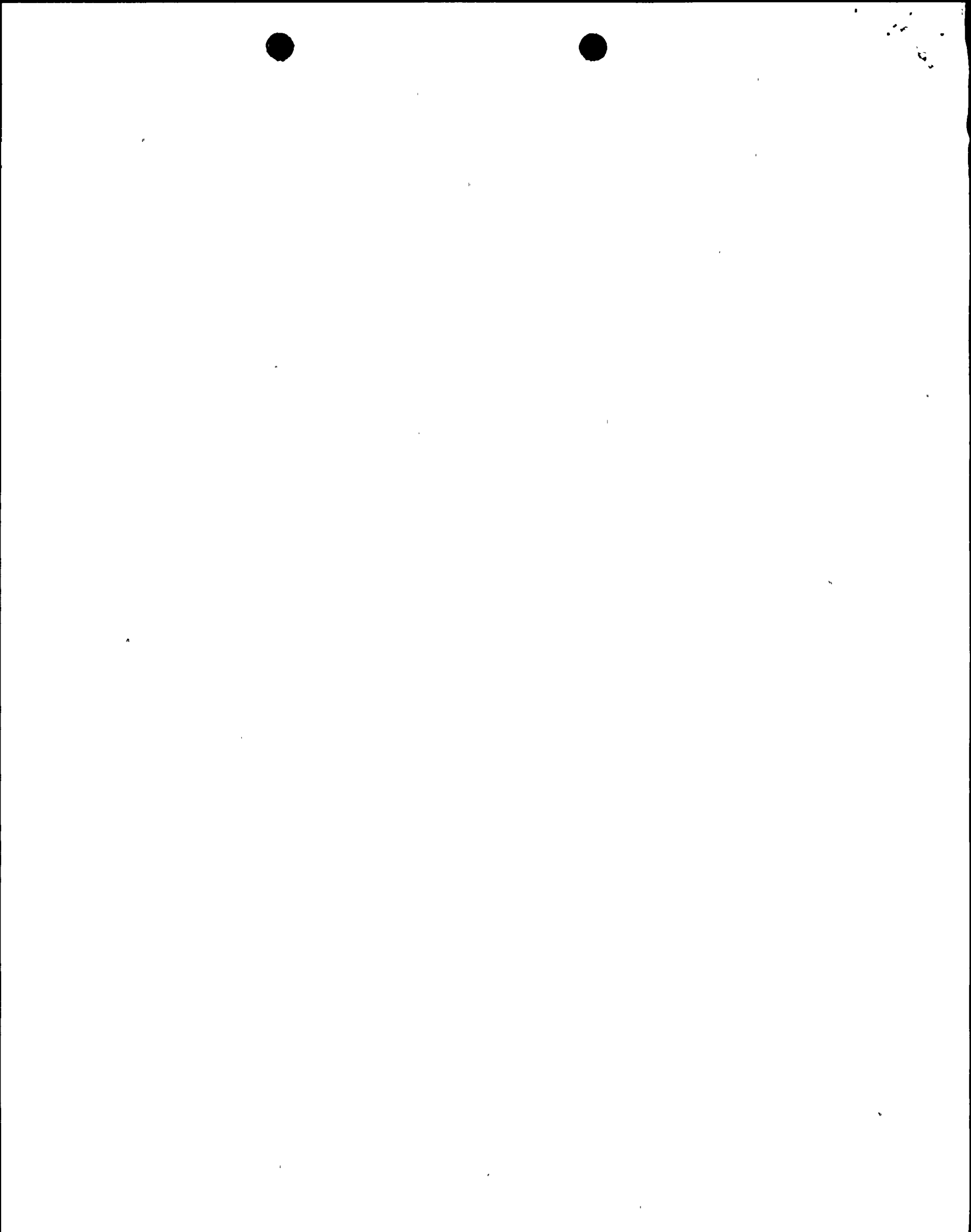
LIMITING CONDITION FOR OPERATION

SURVEILLANCE REQUIREMENT

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.

- c. At least twice per week the feedwater and main-steam-line power-operated isolation valves shall be exercised by partial closure and subsequent re-opening.
- d. At least once per quarter the scram discharge system air operated vent and drain valves shall be fully closed and reopened.

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**LIMITING CONDITION FOR OPERATION**

Table 3.2.7 (Continued)

REACTOR COOLANT SYSTEM ISOLATION VALVES

<u>Line or System</u>	<u>No. of Valves (Each Line)</u>	<u>Location Relative to Primary Containment</u>	<u>Normal Position</u>	<u>Motive Power</u>	<u>Maximum Oper. Time (Sec)</u>	<u>Action on Initiating Signal</u>	<u>Initiating Signal (All Valves Have Remote Manual Backup)</u>
<u>Reactor Head Spray (One Line)</u>	1 1	Inside Outside	- Closed	Self Act. Ck. R.H.P.O.	-- 30	- -	- -
<u>Liquid Poison (One Line)</u>	1 1	Inside Outside	- -	Self Act. Ck. Self Act. Ck.	-- --	- -	- -
<u>Control Rod Drive Hydraulic (One Line)</u>	1 1	Inside Outside	- -	Self Act. Ck. Self Act. Ck.	-- --	- -	- -
<u>Scram Discharge System Vent (One Line)</u>	2	Outside	Open	A.I.A.O.	10	Close	High neutron flux, High reactor pressure, High primary contain- ment pressure, Low water level in the re- actor, High level in the scram discharge volume, Low vacuum in condenser, High radiation in main steam line, Closure of main steam isolation valves, Loss of normal and reserve AC power.
<u>Scram Discharge System Drain (One Line)</u>	2	Outside	Open	A.I.A.O.	10	Close	

\*A.I.P.O. - Automatically Initiated Power Operated

\*R.M.P.O. - Remote Manual Power Operated

A.I.A.O. - Automatically Initiated Air Operated



Table 3.6.2a

INSTRUMENTATION THAT INITIATES SCRAMLimiting Condition for Operating

<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>
(1) Manual Scram	2	1			X	X	X
(2) High Rector Pressure	2	2	1080 psig		X	X	X
(3) High Drywell Pressure	2	2	3.5 psig		X	(a)	(a)
(4) Low Reactor Water Level	2	2	53 inches (Indicator scale)		X	X	X
(5) High Water Level Scram Discharge Volume	2	2	≤ 40 gal.		(b)	X	X



## ATTACHMENT B

Niagara Mohawk Power Corporation

License No. DPR-63

Docket No. 50-220

### Supporting Information

Changes to sections 3.2.7, 4.2.7 and 3.6.2 of the Technical Specifications relating to Reactor Coolant System Isolation Valves and Instrumentation that Initiates Scram are herein proposed. These changes are necessary to accommodate modifications which will be made to the scram discharge system at Nine Mile Point Unit 1 during the spring 1981 refueling outage. These modifications are necessary to improve the operating characteristics of the scram discharge system. The amendments will not decrease the margin of safety, as discussed below.

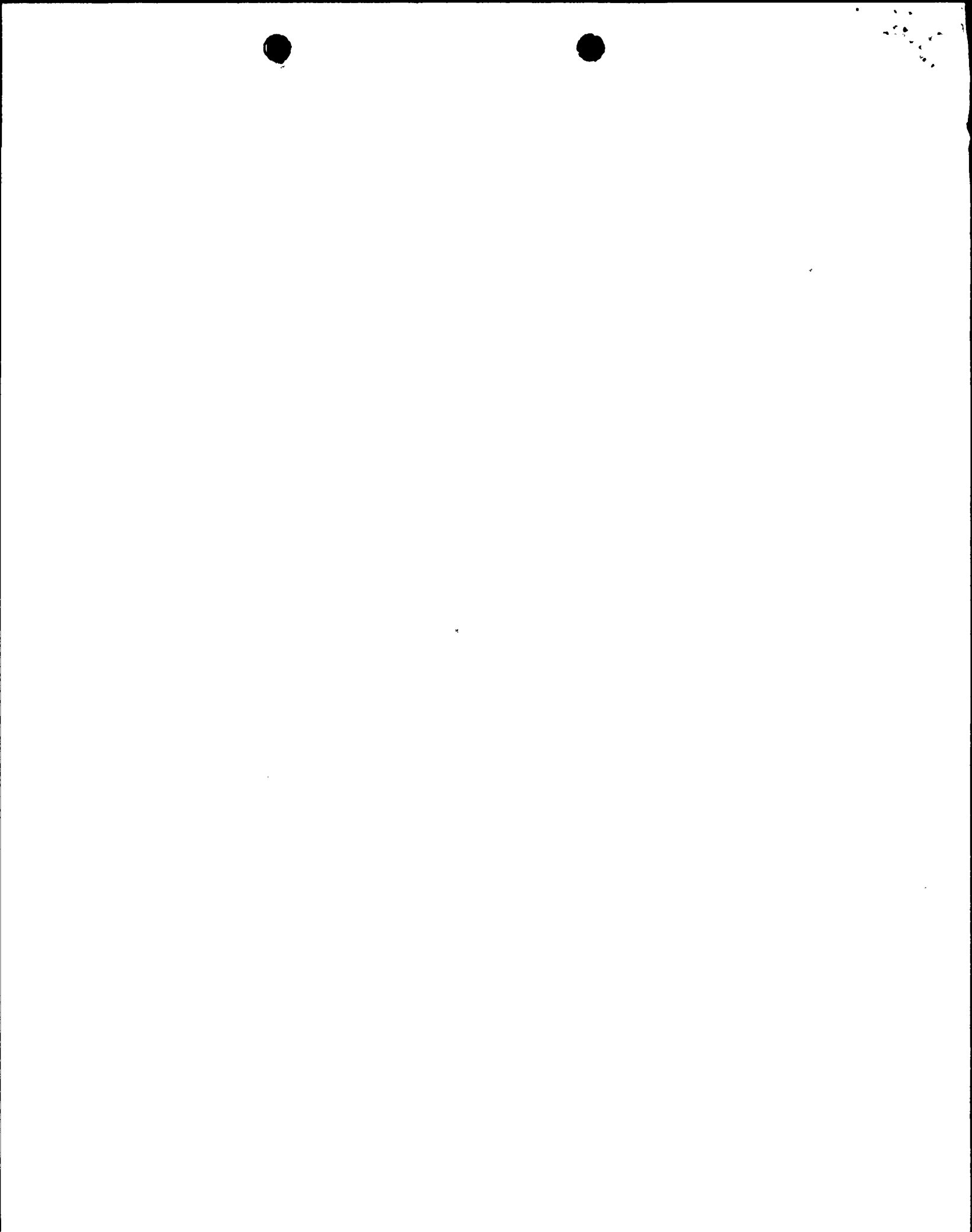
#### Addition of Reactor Coolant System Isolation Valves

Additional air operated vent and drain valves will be installed on the scram discharge system vent and drain lines to ensure isolation capability. The arrangement of the valves will be such that the single failure criterion with regard to containment of Reactor Coolant is satisfied. The closure times listed under the revised Technical Specifications will minimize the possibility of water hammer occurring. The operability test intervals are consistent with testing of other systems. These intervals will minimize the possibility of losing isolation capability.

#### Revised High Water Level Scram Discharge Volume Setpoint

The High Water Level Scram Discharge Volume setpoint must be increased to reflect the increase in the capacity of the Instrument Volume which will result from replacing a portion of the 2 inch drain line with 8 inch pipe. The value of the setpoint will be increased from  $\leq 37$  gallons to  $\leq 40$  gallons. The revised setpoint ( $\leq 40$  gallons) is based on volume calculations of the modified instrument volume. Testing will be performed during the outage to verify the adequacy of the setpoint (i.e.; to ensure the volume of water in the system which initiates automatic scram is not greater than 40 gallons).

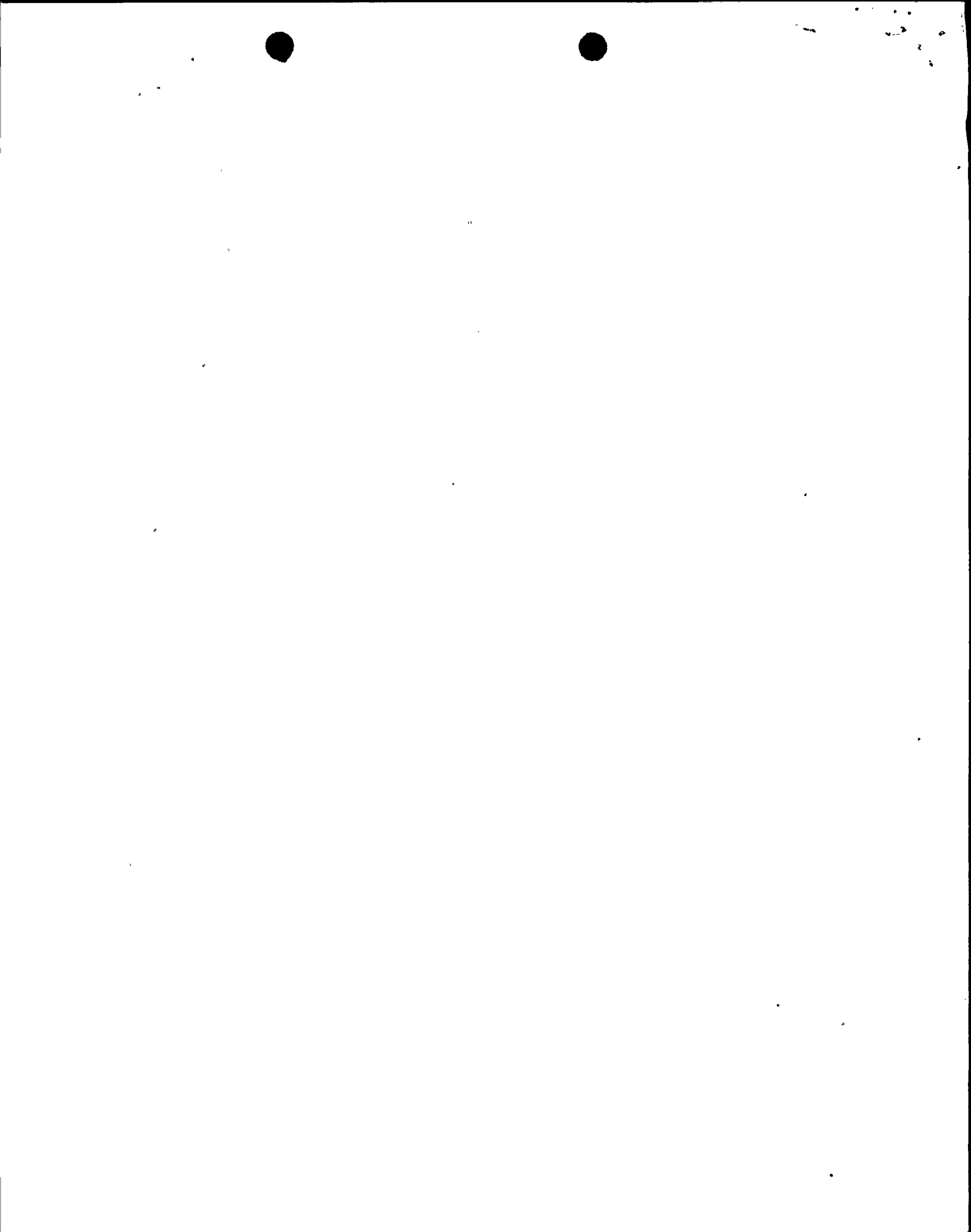
The High Water Level Scram Discharge automatic scram initiation is provided to assure there is sufficient free volume in the discharge system to receive exhaust from the control rod drives during scram. The existing system has approximately 212 gallons of free volume available immediately prior to initiation of scram by High Water Level Scram Discharge Volume. The modified system will have approximately 468 gallons of free volume available. Therefore, the bases for the High Water Level Scram Discharge Volume setpoint remains satisfied.





The above information demonstrates that the requested changes to the Technical Specifications will not decrease the margin of safety at Nine Mile Point Unit 1. The amendments to the Technical Specifications proposed herein supersede our previous request for changes to the Technical Specifications, dated October 14, 1980.

As discussed with the Nuclear Regulatory Commission staff on January 22, 1981, Niagara Mohawk must operate Nine Mile Point Unit 1 under the provisions of the revised High Water Level Scram Discharge Volume setpoint following the spring 1981 refueling outage. Therefore, timely approval of the changes submitted herein is required.



ATTACHMENT C

Niagara Mohawk Power Corporation

License No. DPR-63

Docket No. 50-220

Amendment Classification

The proposed amendment to the Operating License has been evaluated and determined to fall within the definition of Class II of 10 CFR 170.22 thereby requiring a fee of one thousand two hundred dollars (\$1,200).

