

NIAGARA MOHAWK POWER CORPORATION

NIAGARA  MOHAWK300 ERIE BOULEVARD, WEST
SYRACUSE, N. Y. 13202

November 1, 1977

Director, Nuclear Reactor Regulation
Attn: Mr. George Lear, Chief
Operating Reactors
Branch #3
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



Re: Nine Mile Point Unit 1
Docket No. 50-220
DPR-63

Gentlemen:

On October 18, 1977 Niagara Mohawk notified the Office of Inspection and Enforcement, Region I, of a potentially reportable condition relating to relief valve actuation for Nine Mile Point Unit 1. Since then a meeting was held on October 27, 1977 with members of the Nuclear Regulatory Commission and the Mark I Owners Group in Bethesda, Maryland. The purpose of that meeting was to discuss the effects on the Mark I containment.

General Electric has made a survey of operating experience which indicates that many isolation events (greater than 100) have occurred both during normal operation and start up tests. The survey showed that in only two (2) cases has greater than one (1) valve experienced 2nd actuation. No evidence of detrimental effects on the suppression chamber have been observed.

General Electric's analysis for Nine Mile Point Unit 1 showed that there is no safety concern even if three (3) valves experience a second actuation. The Mark I Containment Short Term Program acceptance criteria strength ratio of 0.5 was used as a guideline. The strength ratio for the highest stressed portion of the suppression chamber support structure (inner column) was 0.2. In addition, the shell stress was only 3.73 ksi.

773110107

8302280009 771101
PDR ADOCK 05000220
S PDR

COPY SENT REGION I

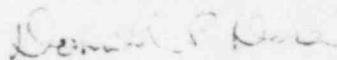
Mr. George Lear
U. S. Nuclear Regulatory Commission

Page Two
November 1, 1977

Continued operation of Nine Mile Point Unit 1 is justified throughout the duration of the Long Term Program. Such operation will not result in undue risk to the health and safety of the public.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION



Donald P. Dise
Vice President-Engineering

MGM/szd