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 FACIL:50-220 Nine Mile Point Nuclear Station, Unit 1, Niagara Powe 05000220  
 AUTH.NAME AUTHOR AFFILIATION  
 SCHNEIDER,R,R. Niagara Mohawk Power Corp.  
 RECIP.NAME RECIPIENT AFFILIATION  
 IPPOLITO,T. Operating Reactors Branch 3

SUBJECT: Forwards summary rept of secondary containment leakage rate testing. Test satisfied criteria established in Tech Specs.

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 TITLE: Containment Leak Rate Testing - Appendix J

NOTES:-----

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August 28, 1979

Director Nuclear Reactor Regulation  
United States Nuclear Regulatory Commission  
Washington, D.C. 20555

Attention: Mr. Thomas Ippolito  
Chief Operating Reactors  
Branch 3

RE: Docket No. 50-220  
Nine Mile Point Nuclear Station Unit #1

Dear Mr. Ippolito:

The enclosed Summary Report of Secondary Containment Leakage Rate Testing is submitted in accordance with Technical Specifications 3.4.1, 4.4.1, and 6.9.3 for the Nine Mile Point Nuclear Station Unit #1.

The test satisfied the criteria established in the Technical Specifications.

Very truly yours,



R.R. Schneider  
Vice President -  
Electric Production

mtm

Attachment

xc: Director, Office of MIPC (2 copies)  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Mr. B.H. Grier, Director (1 copy)  
U.S. Nuclear Regulatory Commission  
Region I  
King of Prussia, PA. 19406

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SUMMARY REPORT

SECONDARY CONTAINMENT LEAKAGE TESTING

1.0 PURPOSE

To assure the capability of the secondary containment to maintain leakage within allowable limits. (See Technical Specifications 3.4.1 and 4.4.1).

2.0 PROCEDURE

This test is run according to surveillance procedure N1-ST-C5, Revision 3 on file at the facility.

2.1 The wind speed is less than 20 mph.

2.2 The Reactor Building track bay roll door is opened and the external Peele doors are closed.

2.3 The Reactor Building is isolated by tripping the normal ventilation. With one emergency ventilation system locked out, the alternate emergency system comes into automatic operation.

2.4 Emergency vent flow vs. reactor building to atmosphere differential pressure are determined alternately for each emergency system operating independently.

3.0 TEST DATA

Date	<u>#11 System</u>	<u>#12 System</u>
6/11/79		
Wind Speed	4 mph	1 mph
Wind Direction	200°	280°
Vent flow	1800 cfm	1780 cfm
Building ΔP	0.26"H <sub>2</sub> O	0.25"H <sub>2</sub> O
Minimum ΔP required	0.26"H <sub>2</sub> O	0.25"H <sub>2</sub> O

4.0

SPECIFICATION

Figure 3.4.1 of the Technical Specification represents the allowable limit. The differential pressure between the Reactor Building and the external static pressure shall be at least as negative as shown in Figure 3.4.1 for the test condition wind speed and an emergency ventilation fan flow rate less than 2000 cfm.

5.0

EVALUATION

Both tests show the Reactor Building (secondary containment) leakage to be within allowable limits.