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SUBJECT: Responds to NRC Bulletin 88-004, "Potential Safety-Related Pump Loss." Final response delayed to 880930.

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July 7, 1988
NMP1L 0282

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

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

Gentlemen:

Nuclear Regulatory Commission Bulletin 88-04, Potential Safety-Related Pump Loss, requested Niagara Mohawk to investigate and correct, as applicable, two minimum flow design concerns for safety-related centrifugal pumps. The Bulletin also required a written response within 60 days, summarizing actions taken in response to the Bulletin.

A preliminary evaluation of Nine Mile Point Unit 1 has been completed for the concerns identified in Bulletin 88-04. The attached Table 1 identifies nine systems with safety-related pumps with the potential for minimum flow problems. Based upon the system descriptions contained in Table 1, only the Core Spray and Condensate Transfer Systems have the potential for any minimum flow problems.

We are currently performing more detailed evaluations of the Core Spray and Condensate Transfer Systems in order to determine the adequacy of the minimum flow lines to prevent damage resulting from operating and testing in the minimum flow mode. These evaluations may include performing Core Spray System recirculation operability tests during the current Refueling and Maintenance Outage.

Therefore, based upon the additional evaluations and possible field testing required to complete our investigation of minimum flow concerns, our final response to Bulletin 88-04 will be delayed to September 30, 1988.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

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TABLE 1
NINE MILE POINT UNIT 1

Safety-Related Pumps with Potential Min-flow Problems

	System	Equipment Nos.	No. of Pumps	Centrifugal Pumps (Y/N)	Min-flow Line (Y/N)	Min-flow Line Common to Two or More Pumps (Y/N)	Potential Min-flow Problem (Y/N)
1.	Core Spray	81-03 + 81-51 81-04 + 81-52 81-23 + 81-50 81-24 + 81-49	4(1)	Y	Y(2)	Y	Y
2.	Containment Spray	80-03, 04 80-23, 24	4	Y	N	N	N
3.	Raw Water	93-01, 02, 03, 04	4	Y	N	N	N
4.	Liquid Poison Injection	NP-02A, 02B	2	N	Y	Y	N
5.	Reactor Building Closed Loop Cooling Water	70-01, 02, 03	3	Y	N	N	N
6.	Spent Fuel Storage Pool Filtering and Cooling	54-01, 02	2	Y	N	N	N
7.	Condensate Transfer	57-11, 12	2	Y	Y	Y	Y
8.	Emergency Service Water	72-03, 04	2	Y	N	N	N
9.	Emergency Diesel Generator Cooling Water	72-62, 63	2(3)	Y	N	N	N

TABLE 1 (Continued)

Notes:

1. Core Spray System has four loops with a pump and a topping pump in series in each loop. These are considered as combined here.

2. The min-flow line is isolated by a safety valve.

3. Each EDG has an independent cooling water system that contains one pump.