REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8101130239 DOC.DATE: 81/01/09 NOTARIZED: NO DOCKET #
FACIL:50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moha 05000410
AUTH.NAME AUTHOR AFFILIATION
RHODE,G.K. Niagara Mohawk Power Corp.
RECIP.NAME RECIPIENT AFFILIATION
TEDESCO,R.L. Assistant Director for Licensing

SUBJECT: Responds to NRC 800610 ltr requesting info re Jet pump supports. Beam design used at facility operates at peak stress less than BWR/3 beams. Preload on beams will be reduced from 30,000 to 25,000 lbs.

DISTRIBUTION CODE: B001S COPIES RECEIVED:LTR 1 ENCL 0 SIZE: 1
TITLE: PSAR/FSAR AMDTS and Related Correspondence

NOTES:

	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL
ACTION:	A/D LICENSNG		1	0	YOUNGBLOOD,B		1	0
	RUSHBROOK,M.		1	0	KIPER,K.	04	1	
INTERNAL:	ACCID EVAL BR	26	1	1	AUX SYS BR	07	1	
	CHEM ENG BR	08	1	1	CONT SYS BR	09	1	
	CORE PERF BR	10	1	1	EFF TR SYS BR	12	1	
	EMERG PREP	22	1	0	EQUIP QUAL BR	13	3	3
	GEOSCIENCES	14	1	1	HUM FACT ENG BR		1	1
	HYD/GEO BR	15	2	2	I&C SYS BR	16	1	1
	I&E	06	3	3	LIC GUID BR		1	1
	LIC QUAL BR		1	1	MATL ENG BR	17	1	1
	MECH ENG BR	18	1	1	MPA		1	0
	NRC PDR	02	1	1	OELD		1	0
	OP LIC BR		1	1	POWER SYS BR	19	1	
	PROC/TST REV	20	1	1	QA BR	21	1	
	RAD ASSESS BR	22	1	1	REAC SYS BR	23	1	
	REG FILE	01	1	1	SIT ANAL BR	24	1	
	STRUCT ENG BR	25	1	1	SYS INTERAC BR		1	
EXTERNAL:	ACRS	27	16	16	LPDR	03	1	1
	NSIC	05	1	1				

JAN 14 1981

TOTAL NUMBER OF COPIES REQUIRED: LTTR 57 ENCL 50

NIAGARA MOHAWK

NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

January 9, 1981

Robert L. Tedesco, Assistant Director
for Licensing
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Tedesco:

Re: Nine Mile Point Unit 2
Docket No. 50-410

Your letter of June 10, 1980 requested information regarding jet pump supports at Nine Mile Point Unit 2. Cracking of the jet pump hold down beams had been discovered at operating boiling water reactors.

In response, the beam design used for Nine Mile Point Unit 2 operates at a peak stress less than the BWR/3 beams which failed (72 versus 86 ksi). In addition, the preload on the jet pump beams for Unit 2 will be reduced from 30,000 to 25,000 pounds. Since the time to crack initiation is dependent on applied stress, the Unit 2 beams, as presently designed and with reduced preload, are predicted to have a longer life. Using relationships developed from field experience and laboratory stress corrosion tests, the minimum time to crack initiation for the Unit 2 jet pump beam is estimated to increase by at least a factor of four with respect to the BWR/3 jet pump beam.

Based on the evaluation performed on the jet pump beam design, this is considered an adequate long term solution to reduce the occurrence of cracking.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

Gerald K. Rhode
Vice President
System Project Management

PEF:ja

Boo1 S/P

8101130239

A