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 AUTH. NAME AUTHOR AFFILIATION
 RHODEL, G.K. Niagara Mohawk Power Corp.
 RECIP. NAME1 RECIPIENT AFFILIATION
 YOUNGBLOOD, B.J. Licensing Branch 1

SUBJECT: Requests addl NRC approval by 810930 for use of DYWIDAG
 threadbar sys in several unstaggered applications for
 Category I structures.

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	CORE PERF BR 10	1	1	EFF TR SYS BR12	1	1
	EMRG PRP DEV 35	1	1	EMRG PRP LIC 36	3	3
	EQUIP QUAL BR13	3	3	FEMA-REP DIV 39	1	1
	GEOSCIENCES 28	2	2	HUM FACT ENG 40	1	1
	HYD/GEO. BR 30	2	2	I&C SYS BR 16	1	1
	I&E 06	3	3	LIC GUID BR 33	1	1
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	NRC PDR 02	1	1	OELD	1	0
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RAD ASSESS BR22	1	1	REAC SYS BR 23	1	1	
REG FILE 01	1	1	SIT ANAL BR 24	1	1	
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EXTERNAL:	ACRS 41	16	16	LPDR 03	1	
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TABLE I	TABLE II	TABLE III	TABLE IV
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August 17, 1981

Mr. B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555



Dear Mr. Youngblood:

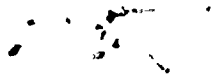
Re: Nine Mile Point Unit 2
Docket No. 50-410

Your April 1981 letter granted approval for the use of the DYWIDAG Threadbar System in unstaggered applications limited to doweling at junctions between the secondary containment wall and slabs of the reactor building, for Nine Mile Point Unit 2, provided the following conditions are met:

- 1) Compliance with the applicable provisions of Section III, Division 2 of ASME Boiler and Pressure Vessel Code, 1980 Edition, including the Summer 1980 addenda.
- 2) Compliance with the applicable provisions of Section 7.5 and 7.6 of ACI Code 349-76, "Code Requirements for Nuclear Safety Related Concrete Structures."
- 3) Limited to bar sizes N6 through N11.
- 4) The concrete design is in accordance with the strength method and allowable stresses as outlined in ACI 318-76. The stress levels in dowels for unstaggered splices under the worst loading conditions as described in PSAR Section 12.3.9 is less than 50% of the specified yield strength of the reinforcing bar.
- 5) The minimum spacing for parallel splices is 6 inches.

Additional approval is requested, based on the same conditions identified in Items 1 through 5 above, for use of the DYWIDAG Threadbar System in the following unstaggered applications for all Category I structures:

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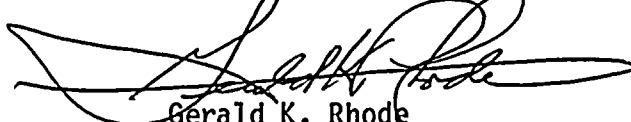
Mr. B. J. Youngblood, Chief
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- a) Dowels from exterior walls to slabs
- b) Dowels from slabs to interior walls
- c) Dowels between interior walls and exterior walls
- d) Dowels between intersecting interior walls.

Approval for these additional applications is requested by September 30, 1981.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION



Gerald K. Rhode
Vice President
System Project Management

PEF:ja



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