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 RHODE, G.K. Niagara Mohawk Power Corp.
 RECIPIENT NAME RECIPIENT AFFILIATION
 EISENHUT, D.G. Division of Licensing

SUBJECT: Forwards info re NSSS components, compliance w/NUREG-0313, Revision 1 per Generic Ltr 81-03. RCPB components in compliance w/NUREG. Position on other NUREG issues stated in 811027 & 11116 ltrs.

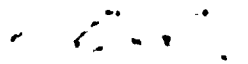
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February 26, 1982



Mr. Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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

Dear Mr. Eisenhut:

Your generic letter 81-03, dated February 26, 1981, requested information regarding the implementation of NUREG 0313, Revision 1. Niagara Mohawk letters dated October 27, 1981 and November 16, 1981 provided our position except for those components supplied by our nuclear steam system supplier. The enclosure to this letter provides this information with respect to the reactor coolant pressure boundary components supplied by our nuclear steam system supplier.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION

Gerald K. Rhode
Vice President
System Project Management

PM:ja
Enclosure

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NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT UNIT 2
DOCKET NO. 50-410

Implementation of NUREG 0313, Revision 1,
"Technical Report on Material Selection and Processing Guidelines for BWR
Coolant Pressure Boundary Piping" - NSSS Scope of Supply

A review has been conducted of the reactor coolant pressure boundary components supplied under the NSSS (GE) scope of supply. The results of this investigation indicate that the components supplied by GE are in compliance with the NUREG requirements.

The following is a list of all affected NSSS components and their degree of compliance with the NUREG.

1. NSSS Piping - The recirculation piping is Type 316 with GE "suffix K." This material has 0.02 weight percent maximum carbon, and is the same as Type 316 "Nuclear Grade." Therefore, it is in compliance with the NUREG. Weld materials are Type 308L or austenitic stainless steel with a minimum of 8 percent ferrite.
2. Pumps - The recirculation pumps utilize austenitic stainless steel as their pressure boundary material. The pump case assemblies are ASME SA351 CF8M with an 8 percent ferrite minimum. Weld material is also specified to contain a minimum of 8 percent ferrite. Therefore, these pump are in conformance with the NUREG requirements.
3. Flow Control Valves - The austenitic stainless steel used as pressure boundary materials for these valves are in compliance with the NUREG. Base and filler material is specified to contain 8 percent ferrite minimum.
4. Recirculation Suction and Discharge Valves - The austenitic stainless steel used to manufacture these valves is given below and fully complies with the NUREG.

<u>Part</u>	<u>Material</u>
Body	CF8M SA351 (with 8% ferrite minimum)
Bonnet	CF8M SA351 (with 8% ferrite minimum)
Disc	CF3A SA351 (high ferrite)
Stem	ASME SA 564-630 or AMS 5643
Stud	AISI 4140-A193 Gr B7
Nut	SA194 G7

Weld repair material was SFA5.4 (316-16) with 8 percent ferrite minimum.

5. Reactor Vessel Safe Ends - Austenitic stainless steel and Inconel safe ends are both utilized at Nine Mile Point Unit 2. The austenitic stainless steel safe ends, which contain "L" grade carbon levels, are in compliance with the NUREG. The weld material, with ferrite control, is also in compliance with the NUREG.



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The Inconel safe ends and associated welds have the potential of forming crevices due to backing rings and joint fit-up design. Although this appears not to be in compliance with the NUREG, the use of these designs is justified based on low stress index values.

