CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9711120283 DOC.DATE: 97/11/06 NOTARIZED: NO DOCKET #
FACIL:50-220 Nine Mile Point Nuclear Station, Unit 1, Niagara Powe 05000220
AUTH.NAME AUTHOR AFFILIATION
CONWAY,J.T. Niagara Mohawk Power Corp.
RECIP.NAME RECIPIENT AFFILIATION
Document Control Branch (Document Control Desk)

SUBJECT: Provides staff w/results of insps performed at NMP Unit 1 in March 1997 during fourteenth refueling outage,per NUREG-0619, "BWR Feedwater Nozzle & CR Drive Return Line Nozzle Cracking."

DISTRIBUTION CODE: IE26D COPIES RECEIVED:LTR 1 ENCL 0 SIZE: 3
TITLE: Startup Report/Refueling Report (per Tech Specs)

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL
	PD1-1 PD	1	1	HOOD,D	1	1
INTERNAL:	ACRS	1	1	FILE CENTER	1	1
	NRR/DSSA/SRXB/B	1	1	RGN1 FILE 01	1	1
EXTERNAL:	NOAC	1	1	NRC PDR	1	1

CATEGORY 1 DOCUMENT

NOTE TO ALL "RIDS" RECIPIENTS:
PLEASE HELP US TO REDUCE WASTE. TO HAVE YOUR NAME OR ORGANIZATION REMOVED FROM DISTRIBUTION LISTS OR REDUCE THE NUMBER OF COPIES RECEIVED BY YOU OR YOUR ORGANIZATION, CONTACT THE DOCUMENT CONTROL DESK (DCD) ON EXTENSION 415-2083

TOTAL NUMBER OF COPIES REQUIRED: LTTR 8 ENCL 10

NIAGARA MOHAWK
GENERATION
BUSINESS GROUP

NINE MILE POINT NUCLEAR STATION/LAKE ROAD, P.O. BOX 63, LYCOMING, NEW YORK 13093/TELEPHONE (315) 349-4213
FAX (315) 349-2605

JOHN T. CONWAY
Vice President
Nuclear Engineering

November 6, 1997
NMP1L 1263

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

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

Subject: ***NUREG-0619 Inspection Reporting for NMP1 RPV Feedwater and CRDRL Nozzle Examinations - 1997 Refueling Outage (RFO-14)***

Gentlemen:

The purpose of this letter is to provide the staff with the results of inspections performed at Nine Mile Point Unit 1 (NMP1) in March 1997 during the Fourteenth Refueling Outage (RFO-14). NUREG-0619, "BWR Feedwater Nozzle and Control Rod Drive Return Line Nozzle Cracking" (November 1980), requires that licensees submit a detailed report to the Commission discussing the inspections of the Feedwater and Control Rod Drive (CRD) Return Line nozzles. This report is required to be submitted within six months of completing an outage at which an inspection was performed. The feedwater sparger flow holes and welds in sparger arms and sparger tees were the only examinations performed during RFO-14. The report previously submitted for the RFO-13 inspection (October 3, 1995 - NMP1L 0986) provides a comprehensive overview of the NUREG-0619 program at NMP1.

During RFO-14, visual examinations of the NMP1 Reactor Pressure Vessel (RPV) Feedwater Sparger flow holes and welds in sparger arms and tees were performed by General Electric Nuclear Energy (GE) to fulfill NUREG-0619 requirements. These examinations are documented in Invessel Visual Examination Data Sheet Report No. 1-2.01-97-0045 and detailed further in GE Inspection Services report, NMP Inspection Services Report Unit 1 RFO-14 Spring 1997 Report Summary - IVVI Summary of Exams Performed. The examinations resulted in no reportable indications that will require monitoring in accordance with NUREG-0619.

A-E26

Visual examinations were performed previously during the eighth, eleventh and twelfth refueling outages. As previously reported, these examinations also resulted in no reportable indications, except for the crack observed in a nonstructural weld of one end bracket pin during the 1981 Refueling Outage (RFO-08), which was subsequently repaired (reference NMPC letter from D. P. Dice to R. C. Haynes of the NRC, dated January 4, 1982).

Additionally, NUREG-0619, 4.4.3.1 (2) requires information in regard to the following topics:

Startup/Shutdown Cycles:

The feedwater and CRD return line nozzles have experienced 12 startup/shutdown cycles since the last inspection performed at RFO-13 and 183 cycles since initial plant operation.

Modifications:

NUREG-0619 requires licensees to report any additional system changes or changes in operating procedures that will affect feedwater flow or temperature. The effects of these changes are to be considered in predicting future cracking tendencies. There have been no modifications, system changes, or changes in operating procedures since RFO-13 that will affect feedwater flow or temperature.

Inspection Summary/Results:

Visual examination of the feedwater spargers for NUREG-0619 was performed in accordance with GE Nuclear Energy procedure VT-NMP-200VO. These examinations are performed with remote underwater television camera systems qualified in accordance with specific IVVI resolution requirements. This examination covered the general condition of the feedwater sparger, pipe, sparger welds, nozzle welds, flow holes, end bracket pins, tack welds and end bracket welds. Additionally, accessible areas of the feedwater nozzle blend radius were examined for general structural condition. These examinations were performed to VT-3 requirements, however, the resolution requirements of VT-1 were adhered to. No rejectable indications were noted during performance of these examinations. These inservice inspection results have been reviewed and approved by a Niagara Mohawk Power Corporation (NMPC) Level III examiner.

Leakage Monitoring:

NMPC has not installed an on-line bypass leakage monitoring system at NMP1. The thermal sleeve design includes flow baffles that prevent mixing of the hot reactor water and colder feedwater in the nozzle annulus. NUREG-0619, Section 4.3.2.4 specifically exempts NMP1 from this requirement.

UT/PT Indications:

There were no ultrasonic nor liquid penetrant examinations required at RFO-14.

NMPC will continue to perform the visual examination of the NMP1 RPV feedwater sparger flow holes and welds in sparger arms and tees for NUREG-0619 requirements as previously committed.

Very truly yours,

John T. Conway
Vice President - Nuclear Engineering

JTC/TRE/cmk

xc: Mr. H. J. Miller, NRC Regional Administrator
Mr. A. W. Dromerick, Acting Director, Project Directorate I-1, NRR
Mr. B. S. Norris, Senior Resident Inspector
Mr. D. S. Hood, Senior Project Manager, NRR
Records Management