

NIAGARA MOHAWK POWER CORPORATION
NINE MILE POINT NUCLEAR STATION UNIT #1

Narrative of Operating Experience

August 1978

The unit operated at 80.8% capacity factor with an availability of 95.9% for the month.

The month began with unit derated to 94% Core Thermal Power due to scram reactivity considerations; the unit was at 94% power on August 1. Control Rod withdrawals were used to maintain power/flow position of 94% CTP when at 0110 on August 3 a reactor scram occurred due to high flux because of a problem encountered while testing MSIV's. The scram was attributed to either operator error or a hung-up relay in the test circuit. Many tests were conducted but no malfunctions could be found. A plant start-up was commenced at 1345 with reactor critical at 1650 and on the line at 0655 on August 4. Continued startup and load increases reaching 450 MWe by 2230. The following day after awaiting Xe build-up, reduced load to 375 MWe for setting final rod pattern. Load was subsequently increased to 430 MWe by 1710, and load increases at the pre-conditioning rate of 3 MWe/hr were initiated.

On Monday August 7, station output was approximately 540 MWe with preconditioning ramp rate still in effect. Completed an LPRM calibration on August 8, and reached preconditioned envelope to 1711 MWt on the 9th of August; also started power rod withdrawals to maintain 94% CTP (553 MWe).

Reduced load to 500 MWe at 2230 on 11th of August in order to replace seals on #11 motor driven feedwater pump. Load recovered to 540 MWe at 2230 the following day upon completion of pump work, and output of 554 MWe attained at 0800 on the 13th of August.

Unit operated at approximately 94% CTP by rod withdrawal until 2200 on the 19th when a reduction to 450 MWe via reactor recirculation flow occurred in order to withdraw shallow control rods. Preconditioning from 461 MWe was initiated and station output of 537 MWe was reached at 0540 on August 21. Unit operated at this power level until August 27 when a coast down to 92% CTP was initiated, to meet new power/flow limitations based on scram reactivity considerations. However, a further reductions to approximately 80% power was required when #11 Reactor Recirculating Pump had to be taken out of service at 1735 due to a pump cooler leak.

The plant was derated to 84% CTP from the 27th through the end of the month, and output was at approximately 485 MWe during this period.

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FORWARDING SUBJECT FACILITY'S MONTHLY OPERATING REPT FOR THE MONTH OF JULY,
1978.

NINE MILE PT #1

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

August 7, 1978

Director
Office of Management Information
and Program Control
United States Nuclear Regulatory Commission
Washington, D.C. 20555

RE: Docket No. 50-220
DPR-63

Gentlemen:

Submitted herewith is the Report of Operating Statistics and
Shutdown Experience for July 1978 for the Nine Mile Point Nuclear
Station Unit #1.

Also included is a Narrative Report of Operating Experience
for the month.

Very truly yours,

Thomas E. Lempges

Thomas E. Lempges
General Superintendent -
Nuclear Generation
for R.R. Schneider
Vice President -
Electric Production

mtm
Attachments

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