

08/14/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL 50-220

REC: GRIER B H
NRC

ORG: LEMPGES T E
NIAGARA MOHAWK PWR

DOCDATE: 01/13/78
DATE RCVD: 04/14/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED
LTR 1 ENCL 1

SUBJECT: FORWARDING LICENSEE EVENT REPT (RO 50-220/78-001) ON 01/04/78 CONCERNING DELTA TEMPERATURE OF THE DISCHARGE WATER EXCEEDED ENVIRON TECH SPEC 2.1.5, DUE TO FAILURE OF GATE C, CIRCULATING WATER DISCHARGE GATE TO DISCHARGE TUNNEL TO CLOSE PROPERLY...W/ATT.

PLANT NAME: NINE MILE PT - UNIT 1

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: M

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

LER (BACKFIT)
(DISTRIBUTION CODE M007)

INTERNAL: REG FILE**W/ENCL
1 & E**W/2 ENCL

NRC PDR**W/ENCL

EXTERNAL: LPDR'S
OSWEGO, NY**W/ENCL
TERA**W/ENCL LIZ CARTER
ACRS CAT B**W/O ENCL

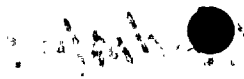
ENVIRO 1

DISTRIBUTION: LTR 6 ENCL 6
SIZE: 1P+1P+2P

CONTROL NBR: 782190011

***** THE END *****

ccp



11/10/50

January 13, 1978

Mr. Boyce H. Grier
Director
United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA. 19406

RE: Docket No. 50-220

Dear Mr. Grier:

In accordance with Nine Mile Point Nuclear Station Unit #1 Technical Specifications, we hereby submit Licensee Event Report LER 78-01, which is in violation of Section 2.1.5 of the Environmental Technical Specifications.

This report was completed in the format designated in NUREG-0161, dated July 1977.

Very truly yours,

Thomas E. Lempges

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

.mtm

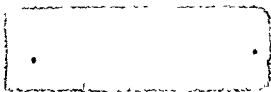
Attachments
(2 enclosures)

xc: Director, Office of NRR (17 copies)

4/14/78
1978 REC-3
AM 11 34
REGULATORY SERVICES UNIT
REGULATORY SERVICES
NMP-0109

782190011

M007
5/11



LICENSEE EVENT REPORT

CONTROL BLOCK: _____ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | N | Y | N | M | P | 1 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5
7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T
 0 1 | L | 0 | 5 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 0 | 4 | 7 | 8 | 0 | 1 | 1 | 3 | 7 | 8 | 9
7 8 REPORT SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

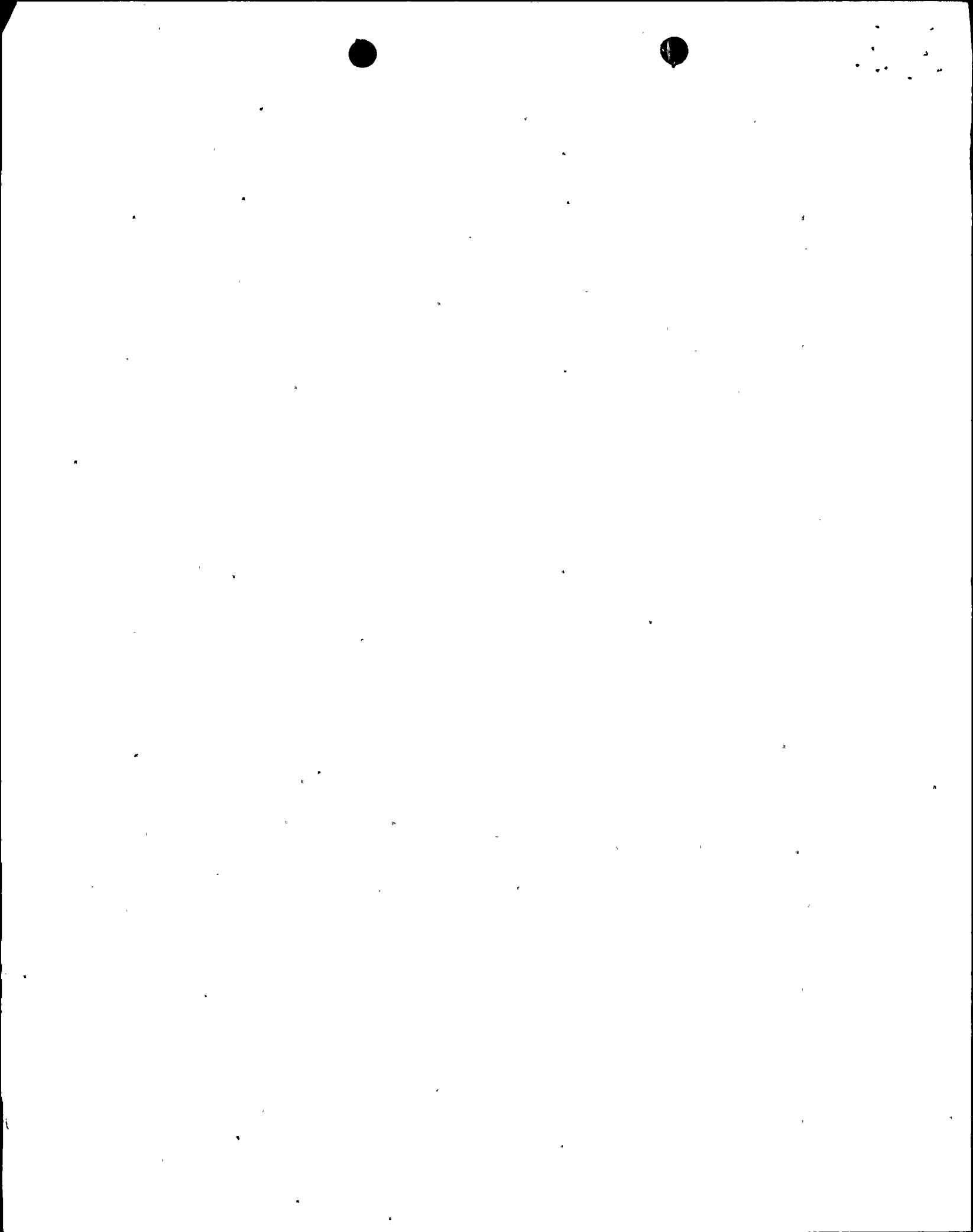
EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
 0 2 | During reverse flow operations, delta temperature of the discharge
 0 3 | water exceeded specification 2.1.5 of the Environmental Technical
 0 4 | Specifications. The allowed 50 degrees F, delta temperature was
 0 5 | exceeded by values of 0.5 to 2.6 degrees F during the period two
 0 6 | through six hours after reversal. This condition resulted in minimal
 0 7 | safety implications.

0 9 | H | F | E | X | X | X | X | X | X | Z | Z | 7 | 8 | 0 | 0 | 1 | 0 | 4 | T | 0 | Z | X | X | X | X | X | X | X
7 8 9 SYSTEM CODE 9 10 CAUSE CODE 11 12 CAUSE SUBCODE 12 13 COMPONENT CODE 13 18 COMP. SUBCODE 19 20 VALVE SUBCODE 20 21
7 8 LER/RO REPORT NUMBER 21 22 EVENT YEAR 23 24 SEQUENTIAL REPORT NO. 25 26 OCCURRENCE CODE 27 28 REPORT TYPE 29 30 REVISION NO. 31 32
33 34 ACTION TAKEN 35 36 FUTURE ACTION 37 38 EFFECT ON PLANT 39 40 SHUTDOWN METHOD 41 42 HOURS 43 44 ATTACHMENT SUBMITTED 45 46 NPRD-4 FORM SUB. 47 48 PRIME COMP. SUPPLIER 49 50 COMPONENT MANUFACTURER 51 52

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
 1 0 | Gate C, the circulating water discharge gate to the discharge tunnel,
 1 1 | failed to close completely. This permitted warm discharge water to mix
 1 2 | with the inlet water raising the temperature of the inlet water.
 1 3 | Gate C will be investigated during the next refueling outage to
 1 4 | determine why it hangs up.

1 5 | E | 0 | 8 | 6 | NA | A | Reverse Flow Operations
7 8 9 FACILITY STATUS 10 11 % POWER 12 13 OTHER STATUS 30 METHOD OF DISCOVERY 44 45 DISCOVERY DESCRIPTION 32
7 8 9 1 6 | Z | Z | NA | NA | NA
7 8 9 ACTIVITY RELEASED 10 11 CONTENT OF RELEASE 12 13 AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36
7 8 9 1 7 | 0 | 0 | 0 | Z | NA
7 8 9 PERSONNEL EXPOSURES NUMBER 10 11 TYPE 12 13 DESCRIPTION 39
7 8 9 1 8 | 0 | 0 | 0 | NA
7 8 9 PERSONNEL INJURIES NUMBER 10 11 DESCRIPTION 41
7 8 9 1 9 | Z | NA
7 8 9 LOSS OF OR DAMAGE TO FACILITY TYPE 10 11 DESCRIPTION 43
7 8 9 2 0 | N | NA
7 8 9 PUBLICITY ISSUED 10 11 DESCRIPTION 45

CPO 917-926





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

January 13, 1978

Mr. Boyce H. Grier
Director
United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA. 19406

RE: Docket No. 50-220
LER 78-01/04 T-0
Nine Mile Point Nuclear Station Unit #1

Dear Mr. Grier:

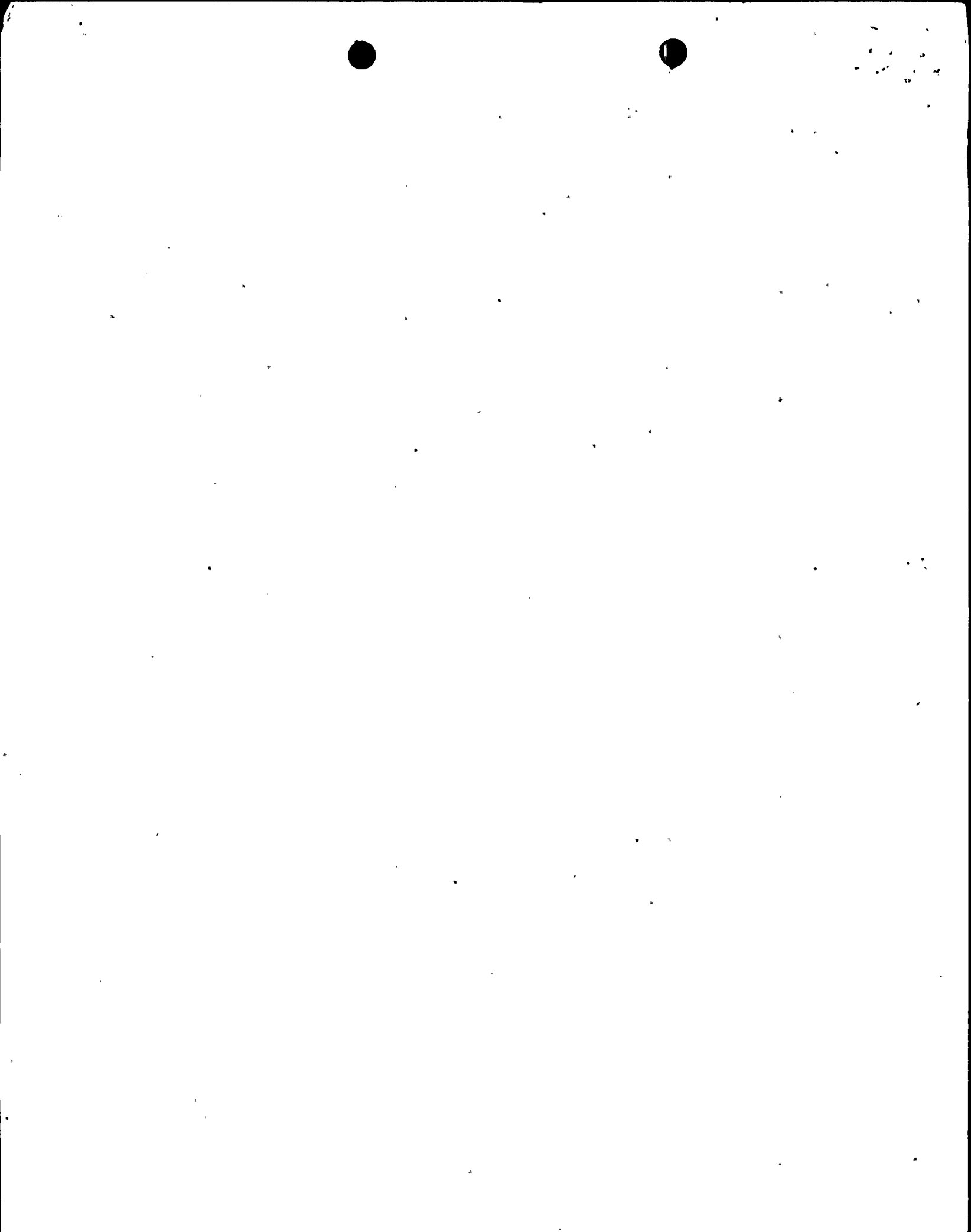
Section 2.1.5 of the Environmental Technical Specifications requires that the Δ Temperature of our discharge water to the lake not exceed 50°F two hours after flow reversal and thereafter. Contrary to this, on January 4, 1978, the 50°F ΔT was exceeded by values of 0.5°F to 2.6°F during the period two through six hours after flow reversal.

On January 3, 1978 at 2305 hours, the flow of the circulating water was reversed to correct icing in the intake tunnel. Operating Procedure, N1-OP-19, Circulating Water System, was used for this operation and followed without exception.

However, Gate "C", the circulating water discharge gate to the discharge tunnel, failed to close completely. This gate is normally open, suspended over the discharge tunnel. The driving force for closing the gate is solely the weight of the gate. High flow forcing the gate against its guide is a possible cause of this failure:

As a result of this failure to close completely, small amounts of warm discharge water were allowed to mix with the cold intake water raising the temperature of the water at the inlet to the condenser. This, in turn, was heated in the condenser and discharged to the lake at a greater ΔT than allowed.

The following ΔT 's were recorded:




<u>TIME</u>	<u>LAKE T (°F)</u>	<u>DISCHARGE T (°F)</u>	<u>ΔT (°F)</u>
2300	32	97.0	65
2400	32	90.0	58
0100	32	82.8	50.8*
0200	32	82.5	50.5*
0300	32	83.9	51.9*
0400	32	83.8	51.8*
0500	32	84.6	52.6*

* Violation of E.T.S. 2.1.5

Flow was returned to normal at 0525 hours, on January 4, 1978.

This incident is considered to have minimal impact due to the short time of duration and the small ΔT's above specifications. The failure of gate "C" to close completely will be investigated during the next refueling outage.

Sincerely,



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

mtm

