REGULATORY INFORMATION DISTRIBUTED SYSTEM (RIDS)

| ACCESSION NBR: | 8710090148 DOC. DATE: | 87/10/02 | NOTARIZED: NO | | DOCKET # |
|----------------|-------------------------|------------|-----------------|------|----------|
| FACIL: 50-410 | Nine Mile Point Nuclear | r Station, | Unit 2, Niagara | Moha | 05000410 |
| AUTH. NAME | AUTHOR AFFILIATION | 1 | | | |
| RONDALL, R. G. | Niagara Mohawk Pow | er Corp. | | | |
| LEMPGES, T. E. | Niagara Mohawk Pow | er Corp. | | | |
| RECIP. NAME | RECIPIENT AFFILIA | FION | | | |
| | | | | | |

SUBJECT: LER 87-052-00: on 870902, two related Tech Spec violations accurred at Util Unit 2. Caused by inadequate procedural control of status of cumulative operating hours of charcoal absorbers. Inadequate procedural revised. W/871002 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED:LTR (ENCL) SIZE: 8 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: 21

....

CA:

| | RECIPIENT | COPI | ES | RECIPIENT | COPI | IES |
|-----------|----------------|------|------|-----------------|------|------|
| | ID CODE/NAME | LTTR | ENCL | ID CODE/NAME | LTTR | ENCL |
| | PD1-1 LA | 1 | 1 | PD1-1 PD | 1 | 1 |
| , | HAUGHEY, M | 1 | 1 | BENEDICT, B | 1 | 1 |
| INTERNAL: | ACRS MICHELSON | 1 | 1 | ACRS MOELLER | 2 | 2 |
| | AEOD/DOA | 1 | 1 | AEOD/DSP/NAS | 1 | 1 |
| | AEOD/DSP/ROAB | 2 | 2 | AEOD/DSP/TPAB | 1. | 1 |
| | DEDRO | 1 | 1 | NRR/DEST/ADS | 1 | 0 |
| | NRR/DEST/CEB | 1 | 1 | NRR/DEST/ELB | 1 | 1 |
| | NRR/DEST/ICSB | 1 | 1 | NRR/DEST/MEB | 1 | 1 |
| | NRR/DEST/MTB | 1 | 1 | NRR/DEST/PSB | 1 | 1 |
| | NRR/DEST/RSB | 1 | 1 | NRR/DEST/SGB | 1 | 1 |
| | NRR/DLPQ/HFB | 1 | 1 | NRR/DLPQ/QAB | 1 | 1 |
| | NRR/DOEA/EAB | 1 | 1 | NRR/DREP/RAB | 1 | 1 |
| | NRR/DREP/RPB | 2 | 2 | NRR. ADR IG SIB | 1 | 1 |
| | NRR/PMAS/ILRB | 1 | 1 (| REG EDLE 02 | 1 | 1 |
| | RES DEPY GI | 1 | 1 | RES TELFORD, J | 1 | 1 |
| | RES/DE/EIB | 1 | 1 | RGN1 FILE 01 | 1 | 1 |
| EXTERNAL: | EG&G GROH, M | 5 | 5 | H ST LOBBY WARD | 1 | 1 |
| | LPDR | 1. | 1 | NRC PDR | 1 | 1 |
| | NSIC HARRIS, J | 1 | 1 | NSIC MAYS, G | 1 | 1 |

`` • •

•

.

| NRC Form | 364 | |
|----------|-----|--|
| (9-83) | | |

4

4

,

.

U.S. NUCLEAR REGULATORY COMMISSION APPROVED OMB NO. 3150-0104 EXPIRES 8/31/85

÷

LICENSEE EVENT REPORT (LER)

| | | | | | | | | | | | | | | | | AZ /AL |
|---|--|--|---|---|---|---|--|--|--|--|--|---|---|--|-------------|--------------------|
| FACILITY | NAME (1 | 1) | 1. D. | | | · · | | | | | 0 | OCKET NUMBER | (2) 1 0 1 | 410 | 1 | |
| TITLE (4) | <u>Nir</u> | ie mi | <u>16 PC</u> | <u>) 1 n t</u> | $\frac{1}{2}$ | <u>n Stan</u> | thy C | 20 Tr | | nt 5.00 | tom Train | | | <u>410</u> | | $\frac{107}{0001}$ |
| | Gen | oseu : | on Tr | | rance n | Secults | in I | as ir nitia | tion | nt sys of Rec | wired Pla | nt Shutde | - vic swn | 51011 | | 6261 |
| EVE | NT DATE | (6) | // | <u></u> | ER NUMBER (| 6) | RE | PORT DAT | E (7) | | OTHER F | ACILITIES INVOI | VED (8 |) | | |
| MONTH | DAY | YEAR | YEAR | | SEQUENTIAL NUMBER | NUMBER | MONTH | DAY | YEAR | | FACILITY NAM | ES | DOCKE | T NUMBE | R(S) | |
| | | | | | | | | | | | <u>N/A</u> | | 0 5 | | 101 | |
| 09 | 02 | 87 | 87 | - | 052 | - 00 | . 10 | 02 | 87 | | N/A | | 0 5 | 10 10 | 101 | • |
| OPE | RATING | | THIS R | EPORT | IS SUBMITTE | D PURSUANT | TO THE R | EQUIREM | ENTS OF 1 | 0 CFR §: / | Check one or more of | t the following) (11 |) | | | |
| | | | - 20 |),402(b) |) | | 20.406 | le) Mar | | | 60,73(a)(2)(iv) | | ⊢; | /3,71(b) /1.71(c) | | |
| LEVE | | 010 | 2 |).406 (a) |)(1)(H) | | 50.34(c | 3(2) | | | 50.73(a)(2)(vii) | | | OTHER IS | ecify in Ab | strect |
| | | | 2 |),405 (a) | H1)(iii) | X | 50,73(a | 1(2)(i) | | | 60,73(a)(2)(viii)(A |) | ہ ا | elow end i 156A] | n Téxt, NR | C Form |
| | | | 21 |).405 (s) | l(1)(iv) | | 60,73(s | 1(2)(#) | | | 60,73(e)(2)(viii)(B) | 1 | | | | |
| | | | 21 |),405(a) | (1)(v) | | 50.73(a |)(2)(iii) | | | 60.73(s)(2)(x) | | | | | |
| NAME | | | | | | l | ICENSEE | CONTACT | FOR THIS | LER (12) | | | TELEPH | | RFR | |
| | | | | | | | | | | | | AREA CODE | | | | |
| | Rob | ert (| G. Ra | anda | 11, Sup | pervisor | • Tec | hnica | 1 Sup | port | | 315 | 34 | 9-244 | 5 | |
| | | | | | COMPLETE | ONE LINE FOR | EACH CO | OMPONEN | T FAILURE | DESCRIBE | D IN THIS REPORT | (13) | | | | |
| CAUSE | SYSTEM | COMPO | NENT | м | ANUFAC- TURER | REPORTABLE TO NPROS | | | CAUSE | SYSTEM | COMPONENT | MANUFAC. TURER | REPO TO | RTABLE NPRDS | | |
| | | | - | | | -1 | | | | | | | | | | |
| | | | | , | | | | | | | | - | | | | |
| | | | . <u> </u> | | SUPPLEME | NTAL REPORT | EXPECT | ED (14) | <u> </u> | .I | | | ^ | MONTH | DAY | YEAR |
| | | | | | | | | | | | | EXPECTE SUBMISSIC DATE (15 | | | | |
| V YES | (If yes, c | omplete E) | XPECTED | 5 SUBA | ISSION DATE | / | | NO | | | <u>`</u> | | | <u>_+</u> +_ | <u> 30</u> | 87_ |
| On S at I Requ 4.6 Open the Aft disc | Septe Vine Jirem .5.3. ratio even er th cover | ember Mile ent (c). on (L(t dis e eve ed. | 2, 1 Poir of a The CO) 1 SCOVE | 1987 Sta sec for ery nad | ' two re Init 2. andby Ga cond was the AC the rea been an | elated The f as Treat power s actor wa nalyzed | fechn irst v inent ilt o sourc a th | ical was a Syst f exc es (T appr ird T | Speci resu em (G eedin S 3.8 oxima S vio | ficat It of TS) ch g a Li .1.1 / tely 4 lation | ion (TS) v exceeding narcoal ad imiting Co Action e). 10% rated n (TS 6.8. | iolation a Surve sorber (ndition o At the thermal p l.d) was | s oc illan IS of time als als | curre nce e of r. o f the | d | |
| cumi even oper sta | ilati nt wa ratin tus o | ve or is the ig hou of a 1 | perat e unt irs a IS re | ing ime and equi | hours by com the fai red sur | status oletion ilure to rveilla | of G of a not nce w | TS ch revi ify t as in | arcoa ew to he St ques | l adso deter ation tion. | orbers. C mine the Shift Sup | ontribut cumulativ ervisor f | ing t ve G that | to th TS the | e . | |
| Cori | recti | ve ac | tior | ıs i | nclude | the fol | lowi | ng: | | | • | | | | | |
| ٦. | A | n ina | adequ | iate to | e proced track (| dure has STS cum | s bee Dati | n rev ve op | iséd erati | and a | new proce | dure has ilv basis | bee | n | ., r | 99 |
| 2. | Ă | modi | ifica | atio | on to a | dd elaps | ed t | ime m | eters | toa | ll special | filter | trai | ns, | عل | |
| 3. | i A P | nclud dmini reclu | ling stra Ide r | the tiv ecu | e GTS, ł e contr rrence | nas beer ols sha of simi | l com 11 be 1ar e | plete e rev event | d. iewed situ | and c ations | changed, a | s require | ed, 1 | to | 11 | , |
| NRC Form | 366 | | 87 PD S | 100 R | 090148 ADOCK | 87100 05000 | 2 410 DR | | · | | | | | | | |

. . • . .

.

| (9-83) LICENSEE EVENT | REPORT (LER) TEXT CONTIN | UATIO | N | Ų.S. | NUCI APP EXP | LEAR REG PROVED O PIRES: 8/3 | ULATO MB NO, 1/85 | RY CO 3150-4 | MMISSION Q104 |
|------------------------|--------------------------|-------|-----|-------------------|--------------------|------------------------------------|-------------------------|-----------------|------------------|
| FACILITY NAME (1) | DOCKET NUMBER (2) | 1 | LE | R NUMBER (6 |) | | | PAGE | (3) |
| · . | } | YEAR | *** | SEQUENTIAL NUMBER | 20 | REVISION | | Τ | |
| Nine Mile Point Unit 2 | 0 5 0 0 0 410 | 87 | _ | 052 | | 00 | 02 | OF | 07 |

EXT (If more space is required, use additional NRC Form 366A's) (17)

I. DESCRIPTION OF EVENTS

On September 2, 1987 at 1735 hours, two related Technical Specification (TS) items were discovered to have been violated at Nine Mile Point Unit 2 (NMP2). The first TS violation was a result of exceeding a Surveillance Requirement of a Standby Gas Treatment System (GTS) charcoal adsorber (TS 4.6.5.3.c). The second TS violation was a result of exceeding a Limiting Condition of Operation (LCO) for the AC power sources (TS 3.8.1.1 Action e). At the time the event was discovered the reactor was at approximately 40% rated thermal power. After the event had ended, a review of the cause revealed that a third TS had also been violated (TS 6.8.1.d) which requires that written procedures be established, implemented, and maintained covering surveillance and test activities of safety related equipment.

The sequence of events which resulted in these TS violations is as follows:

On September 1, 1987 at 1317 hours, the Division 2 emergency diesel generator (EDG) was removed from service and declared inoperable, so that a modification could be performed per Modification Work Request 20222.

Per TS 3.8.1.1 Action e, the Station Shift Supervisor (SSS) proceeded to verify that all required systems, subsystems, trains, components, and devices that depend on the remaining operable emergency diesel generator (Division 1) as a source of emergency backup power were operable. This verification was completed by checking the equipment status log located in the Control Room and noting the verification as complete in the SSS log book.

Approximately three hours after the Division 2 EDG was removed from service, Operations Management personnel outside the Control Room noticed that the cumulative operating hours of GTS Train A through July 31, 1987 was 785 hours, which was in excess of its TS surveillance limit of 720 hours (TS 4.6.5.3.c). The Surveillance Requirement states that after 720 hours of a GTS charcoal adsorber operation, a representative carbon sample must be drawn and analyzed within 31 days of the sample date. The cumulative operating hours had been determined by reviewing the Chief Shift Operator (CSO) logs through July 31, 1987. Per TS 4.0.2.a, it was determined that the maximum allowable surveillance requirement extension of 25% of the surveillance interval applied to TS 4.6.5.3.c. This increased the maximum allowable GTS charcoal adsorber operating time limit from 720 to 900 hours.



| NRC Form 366 (9-83) | | ORT (LER) TEXT CONTINU | JATION | U.S. NUCLEAR REC APPROVED O EXPIRES: 8/3 | NULATO MB NO. 1785 | RY CO 3150-4 | MMISSIO 0104 |
|---|---|--|---|--|--------------------------|-----------------|-----------------|
| FACILITY NA | ME (1) | DOCKET NUMBER (2) | LER NUMBER | R (6) | | PAGE | (3) |
| , | • | | YEAR SEQUENT | A REVISION | | | } |
| Nine | e Mile Point Unit 2 | 0 5 0 0 0 410 | 87 — 052 | _ 00 | 03 | OF | 07 |
| TEXT (If more s | space is required, use additional NRC Form 306A'sJ (17) | | | | | , | |
| By t oper revi | the end of the working day on Se rating time through August 25, 1 iew was incomplete at that time | ptember 1, 1987 the to 987 was calculated to pending the following | otal GTS Train be 847 hours items: | h A . The | | | ĸ |
| 1. | It had been found that the i The calculations were based date corresponds to the issu date surveillance requiremen Management personnel determi adsorber carbon was drawn in calculations should have sta through October 1986 were no | nitial calculation sta upon a start date of (ance of the operating ts first went into eff ned that the last same August of 1986. This rted. Thus, the GTS r t included in the calc | art date was October 31, 19 license to Ni Sect. Operat ole date of the s is the time run times from culations. | in error. 986. This MP2 and th ions ne charcoa the m August | e 1 | | |
| 2. | The calculations did not inc September 1, 1987. | lude data for the peri | iod from Augu | st 25 to | | | |
| Afte invo betw | er review of the ongoing calcula olved, it was believed that the ween 720 and 900 hours. This as | tion by the Operations total GTS run time was sumption was based upo | s Management s going to be on the follow | personnel somewhere ing: | 9 | | |
| 1. | They questioned the validity | of the data in that t | they felt it | was too hi | gh. | | |
| 2. | They felt that GTS run times October 1986 were small (10- significantly impact the fin | during the period fro 15 hours per month) an al corrected result. | om August 198 ad would not | 6 through | | | |
| 3 . _. | They thought that another ca Train A charcoal adsorber at | rbon sample had been o a date later than Au | irawn from th gust 1986. | e GTS | | | |
| Base | ed upon this evaluation the revi | ew was scheduled to be | e finished th | e next day | • | | |
| On t from GTS obta beer | the next morning (September 2, 1 n August through October 1986 ad run times for the period betwee ained from the Control Room. Er n calculated on the previous day | 987) the data collect ded 39 hours to the to en August 25 and Septer rors were also found | ion resumed. otal. Strip mber 2, 1987 in the data w | The data charts for were hich had | • | | |
| On t adso 1982 allo were with surv Act dies | the afternoon of September 2, 19 orber operating time was complet 7 the cumulative operating time owable TS time limit of 900 hour e promptly notified at 1730 hour h the GTS Train A inoperable due veillance interval, and the Divi vice, NMP2 had 12 hours to be in ion e. This is because GTS Trai sel (Division 1) as a source of | 987 the review of the 6 ed. The results show of the GTS was in exce s. Operations person s and declared GTS Tra- to exceeding the max sion 2 emergency dies the hot shutdown cond in A, which depends up emergency backup power | GTS Train A c ad that as of ess of the ma nel in the Co ain A inopera imum 900 hour el generator dition per TS on the remain r, was not op | harcoal August 31 ximum ntrol Room ble. Thus out of 3.8.1.1 ing operat erable. | , , , , | , | |

.

.

NRC FORM 366A (9 83)

۲ . . , , r 1 ÷

| | NRC Form 366A (9-83) LICENSEE EVEN | NT REPORT (LER) TEXT CONTINU | IATIO | N | U.S. | NUC APP EXI | ROVED OPIRES: 8/3 | ULATOR MB NO. 3 1/85 | 1Y CO# 3150-(| MMISSION |
|---|---------------------------------------|------------------------------|-------|----|----------------------|-------------------|--------------------|----------------------------|------------------|----------|
| | FACILITY NAME (1) | DOCKET NUMBER (2) | | LE | R NUMBER (6) | | | F | PAGE | (3) |
| ÷ | | | YEAR | | SEQUENTIAL NUMBER | 88 | REVISION NUMBER | | | |
| | Nine Mile Point Unit 2 | 0 5 0 0 0 410 | 87 | | 052 | | 00 | 04 | OF | 07 |

TEXT (If more space is required, use additional NRC Form 366A's) (17)

TS 3.8.1.1 Action e requires that within two hours after removing either emergency diesel generator EDG*1 (Division 1) or EDG*3 (Division 2) from service that all required systems, subsystems, trains, components, and devices that depend on the remaining operable diesel as a source of emergency power be verified operable; otherwise, be in at least HOT SHUTDOWN within the next 12 hours and COLD SHUTDOWN within the following 24 hours. The GTS depends upon the emergency diesel generators as a source of emergency backup power. The LCO time limit to be in at least HOT SHUTDOWN within 12 hours had been exceeded by 16 hours 13 minutes.

At 1735 hours on September 2, 1987 a plant shutdown commenced as required by TS 3.8.1.1 Action e without further incident. The Division 2 EDG was returned to an operable status at 2150 hours that same day thus ending the duration of the violation of TS 3.8.1.1 Action e. The plant was in the hot shutdown condition at 1435 hours on September 3, 1987 and in the cold shutdown condition at 0220 hours on September 4, 1987.

On September 4, 1987 a carbon sample was retrieved from the Train A charcoal adsorber and analyzed. The analysis showed that the efficiency of the charcoal adsorber was \geq 99.99%, which is within its acceptable performance criteria for methyliodine removal efficiency of \geq 99.825%. When the charcoal sample was analyzed the charcoal adsorber was once again operable per TS 4.6.5.3.c.

This event was subsequently the subject of a US Nuclear Regulatory Commission special safety inspection by resident inspectors (Special Inspection 50-410/87-32). This special safety inspection resulted in the submittal of five potential violations to Niagara Mohawk Power Corporation.

There were no other components or systems which were inoperable and/or out of service which contributed to this event. No plant systems or other component failures resulted from this event.

II. CAUSE OF EVENTS

A root cause analysis for the events has been completed per Site Supervisory Procedure S-SUP-1, "Root Cause Analysis Program". The results of this analysis have found that the root cause of this event was inadequate procedural control of the status of cumulative operating hours of the GTS charcoal adsorbers.

Until August 31, 1987 there was no written procedure for tracking the cumulative operating hours of the GTS charcoal adsorbers. Operating times were supposed to be updated on a monthly basis by Operations clerks outside the Control Room. Operating times were obtained by review of daily logs kept by the SSS and the CSO and by review of strip charts, when available, for the GTS. The method of tracking this particular plant parameter was a violation of TS 6.8.1.d which requires written procedures be established, implemented, and maintained covering activities associated with surveillance and test activities of safety related equipment.

D τ. ٠ • • đ

•,

| LICENSEE EVEN | IT REPORT (LER) | TEXT (| CONTIN | UATIO |)N | U.S | , NUCI APF EXF | LEAR REG PROVED C PIRES: 8/3 | GULATO DMB NO. 31/85 | 3150- | MMIS: 0104 |
|--|--|---|--|----------------------------|----------------------|-------------------------------|----------------------|------------------------------------|----------------------------|-------|---------------|
| ACILITY NAME (1) | DOCKET N | JMBER (2) | | | LEF | R NUMBER (| 6) | | | PAGE | (3) |
| • | | | | YEAR | *** | SEQUENTIAL NUMBER | • | REVISION NUMBER | 4 | | |
| Nine Mile Point Unit 2 | 0 5 (| 0 0 0 | 410 | 87 | | 052 | | 00 | 05 | OF | 07 |
| XT (If more space is required, use additional NRC Form 366A's) (17) | | _ | | | | | السادي الم | | <u> </u> | | |
| deficiencies include the foll 1. Failure of Operations per GTS charcoal adsorber operati personnel in the Control Room that they were possibly in an | owing items: sonnel who orig ng hours had bo . This would I LCO per TS 3.8 | jinally een exc ave al 3.1:1 / | ident ceeded t erted (Action e | ified to not Contro | tha tify ol R | it the super oom pe | 720 vis rso | hour ory nnel | | | , |
| 2. Failure of Operations per Train A operating hours. At review was stopped and not co | sonnel to comp the end of the mpleted until f | lete a workir he nex | timely ng day d t day. | revie on Sep | ew o ptem | of the Noer 1, | acti 19 | ual G 87 th | its ie | | |
| 3. The SSS was not kept rout of the GTS on a day to day bas personnel to recognize that the emergency diesel generator was | inely informed sis. This led he GTS Train A s removed from | of the to a f was ir servic | actua ailure operab | l open of Co le whe | rati ontr en t | ing hou `ol Roo :he Div | rs m isi | statu on II | IS | | |
| 4. Failure of Operations Man action on a previously identi Inspection (50-410/87-16) com | agement to take fied item. Dun ducted by the I | e promp ing Op IRC dur | t and e eration | effect nal Re e firs | tive eadi st f | e corre iness T ew wee | cti eam ks | ve of Ju | ne | | |

1987, a deficiency was noted in the existing program for tracking the accumulated run times of the GTS Trains. These deficiencies were not corrected until August 31, 1987 when changes were incorporated into the operating procedure for GTS.

III. ANALYSIS OF EVENT

The Standby Gas Treatment system is designed to limit the release of radioactive gases from the Reactor Building to the environment within the guidelines of 10CFR100 following a design basis accident. The function of the GTS charcoal adsorbers is to remove radioiodines from the GTS air stream before its release to the environment.

Although there is a 720 operating hours limit specified in the TS to take a carbon sample from the GTS charcoal adsorber, there is also a 31 day time period allowed for the sample analysis to be performed. Testing of this and other Engineered Safety Feature Systems is performed at intervals so that credible failure may be detected and repaired before system reliability is reduced. It was later discovered that the GTS Train A charcoal adsorber was capable of performing within its acceptable performance criteria (methyliodine removal efficiency \geq 99.825%).

With the Division II emergency diesel generator inoperable, GTS Train B had no backup emergency power source. It did however, have its primary power source (offsite power) available. GTS Train A had both primary and backup power available, was not in a condition of reduced reliability, and was operating within its acceptable performance criteria. This leads to the conclusion that no adverse safety consequences resulted from this event.

* D : ; ÷ ŝ ×

| • NR((9-8 | U.S. NUCLEAR F (9-83) LICENSEE EVENT REPORT (LER) TEXT CONTINUATION APPROVED EXPIRES: | | | | | | | ULATOR MB NO. 3 1/85 | Y CO 150-(| MMISSION |
|---------------|---|-------------------|------|-----------|----------------------|-------------|--------------------|----------------------------|---------------|----------|
| FAC | CILITY NAME (1) | DOCKET NUMBER (2) | ŕ | LE | R NUMBER (6) | | | P. | AGE | (3) |
| ' | | | YEAR | ** | SEQUENTIAL NUMBER | 88 8 | REVISION NUMBER | | Γ | |
| | Nine Mile Point Unit 2 | 0 5 0 0 0 410 | 87 | _ | 052 · | | 00 | 06 | OF | 07 |

TEXT (If more space is required, use additional NRC Form 366A's) (17)

٤

Radioactive gaseous releases discharged via the GTS during the event were insignificant when compared to the limits of such releases allowed by Technical Specifications.

The total duration of the event involving TS 3.8.1.1 Action e was from September 2, 1987 at 0117 hours when the plant initially exceeded its 12 hour LCO to be in hot shutdown until September 2, 1987 at 2150 hours when the Division 2 Emergency Diesel Generator was placed back in service, a total of 20 hours 33 minutes. The total duration of the event involving TS 4.6.5.3.c was from July 29, 1987 when the 900 hour time limit was first exceeded for GTS Train A until September 4, 1987 when the carbon sample was satisfactorily tested, a total of 38 days. The calculation results of September 2, 1987 which showed NMP2 exceeded the 900 hour TS limit on August 31, 1987 were found to be in error. The revised calculations showed that the 900 hour TS time limit had actually been exceeded on July 29, 1987.

IV. CORRECTIVE ACTIONS

Upon receiving notification that TS surveillance requirement 4.6.5.3.c had been exceeded, operators in the Control Room initiated an orderly plant shutdown as required by TS 3.8.1.1 Action e. Actions were then taken to return the Division 2 emergency diesel generator back to an operable status as soon as possible. The Division 2 EDG was returned to an operable status at 2150 hours on September 2, 1987. At this time the shutdown could have been terminated, however, at the direction of the Station Superintendent, the unit shutdown was continued to proceed to the Test Condition 2 outage portion of the NMP2 Power Ascension Program.

On September 4, 1987 carbon samples were removed from both GTS (Train A and B) charcoal adsorbers and analyzed for their ability to retain radioiodines. Both samples were found to be acceptable with radioiodine retention rates of 99.99%. The acceptable performance criteria is 99.825%.

A new Operations Surveillance Procedure, N2-OSP-LOG-D@OO2, "GTS and HVC Run Time Log", has been developed. This procedure provides detailed steps necessary to ensure the required surveillance testing of the GTS and the Control Room Outdoor Air Special Filter Train System (HVC) is performed after every 720 hours of operating time as required by TS. This procedure became effective on September 22, 1987.

The GTS operating procedure, N2-OP-61B, "Standby Gas Treatment" has been revised to include an attachment for recording Standby Gas Treatment train operating hours. Steps have been added to the procedure requiring that the attachment be filled out each time a GTS train is operated. Upon completion of the attachment, it shall be forwarded to the Superintendent of Operations so that the data may be entered into the GTS operating hours record. This revision became effective on August 31, 1987.

.

÷

.

-

.

۹.

.

×

τ

.

`

| NRC Form 368A (9-83) | LICENSEE EVE | NT REPOR | RT (LER) TEXT CONTIN | UATIO | N | U.S. | NUCL APP EXP | EAR REG ROVED O IRES: 8/3 | ULATOR MB NO, 3 1/85 | Y CO | MMISSION |
|-------------------------|--------------|----------|------------------------|-------|----|----------------------|--------------------|---------------------------------|----------------------------|------|----------|
| FACILITY NAME (1) | | 7 | DOCKET NUMBER (2) | | LE | R NUMBER (6) | | | Ρ | AGE | 31 |
| • | | | | YEAR | ** | SEQUENTIAL NUMBER | *** | REVISION NUMBER | | | |
| Nine Mile P | oint Unit 2 | ٠ | 0 5 0 0 0 410 | 87 | | 052 | | 00 | 07 | OF | 07 |

TEXT (If more space is required, use additional NRC Form 366A's) (17)

3

A review of the Technical Specifications to ascertain other areas which specify an operating time surveillance requirement has been completed. Operating surveillance procedures have been updated and initiated, as required. An evaluation is continuing into the other departmental areas of NMP2 to determine the adequacy of their procedures with respect to this review.

A modification (PN2Y87MX133) to install elapsed time meters for all special filter trains, including the GTS, has been completed at Nine Mile Point Unit 2. This modification will improve the accuracy of the surveillance program for the GTS as required by TS. The elapsed time meters shall be checked on a daily basis as part of Operations Surveillance Procedure N2-OSP-LOG-D@OO2. A review of other plant systems where elapsed time meters could improve the accuracy of TS required surveillance programs is currently under way. Further modifications shall be initiated based upon the results of this review. This review is scheduled to be complete by December 31, 1987.

To preclude untimely review and corrective action on future NRC identified items, Licensing personnel shall be present at all NRC exit meetings to record identified action items. Licensing shall then review the action items with the appropriate Management personnel to determine the accuracy of the item and establish a required completion date before entering the item on the open item tracking system. The action items shall then be forwarded to the appropriate departmental head so that they may be resolved in a timely manner.

Reportability requirements shall be reemphasized to all personnel by departmental heads. A program shall also be added to the Continuing Training Program at Nine Mile Point so the subject matter will be reemphasized to personnel on a regular basis.

V. ADDITIONAL INFORMATION

The corrective actions identified in this report were developed to address the root cause determined for this event. Some of these corrective actions are also appropriate with respect to the contributing deficiencies identified in Section II. However, Niagara Mohawk is continuing its evaluation of these contributing deficiencies to identify their root cause. A supplemental report will be issued which will describe the results of this evaluation and any additional corrective actions. This supplemental report will be issued by November 30, 1987.

Identification of Components Referred to in this LER

| Component | IEEE 803 EIIS Funct | IEEE 805 System ID |
|------------------------------|------------------------|-----------------------|
| Standby Gas Treatment System | N/A | BH |
| Emergency Diesel Generator | DG | EK |
| Charcoal Adsorber | ADS | ВН |
| Elapsed Time Meters | KI | BH |

There have been no similar previous events at Nine Mile Point Unit 2.

D ÷, * • ¢ -• ۱.

NIAGARA MOHAWK POWER CORPORATION



SYRACUSE, NY 13212

October 2, 1987

United States Nuclear Regulatory Commission Document Control Desk Washington, DC 20555

RE: Docket No. 50-410 LER 87-52

Gentlemen:

In accordance with 10 CFR 50.73, we hereby submit the following Licensee Event Report:

LER 87-52 Which is being submitted in accordance with 10 CFR 50.73 (a) (2) (i) (B), "Any operation or condition prohibited by the plants Technical Specifications."

A 10 CFR 50.72 report was made at 1811 hours on September 2, 1987.

This report was completed in the format designated in NUREG-1022, Supplement No. 2, dated September 1985.

Very truly yours,

Thomas E. Lempges Vice President Nuclear Generation

TEL/CDS/mjd

Attachments

cc: Regional Administrator, Region 1 Sr. Resident Inspector, W. A. Cook



THOMAS E. LEMPGES VICE PRESIDENT-NUCLEAR GENERATION

•

Ĵ

•

D

•

.

. • 1

<u>ن</u> ۲

L

5,

•

÷