

LICENSEE: NORTHEAST UTILITIES

SITE: MILLSTONE 2

EN NUMBER: 26062

DOCKET: 05000336

EVENT DATE: 09-14-93

RX TYPE: PWR

EVENT TIME: 19:23

VENDORS: CE

NOTIFY DATE: 09-14-93

EMERGENCY CLASS: UNU REGION: 1 STATE: CT

TIME: 19:28

OPS OFFICER: WILLIAM HUFFMAN

10 CFR SECTION: AAEC 50.72(a)(1)(i)

EMERGENCY DECLARED

ASHU 50.72(b)(1)(i)(A)

PLANT S/D REQD BY TS

UNIT SCRAM RX INIT INITIAL MODE

CURR CURRENT MODE

CODE

CRIT

PWR

PWR

2

N

Y

100

POWER OPERATION

100

POWER OPERATION

TECH SPEC REQUIRED SHUTDOWN DUE TO QUESTIONABLE CAPABILITY OF
SOME MOTOR OPERATED VALVES.

LICENSEE REVIEW OF INDUSTRY INFORMATION PROVIDED BY THE CRYSTAL
RIVER PLANT HAS BROUGHT INTO QUESTION THE OPERABILITY OF MOTOR
OPERATED VALVES WITH MOTOR BRAKES. THE LICENSEE LEARNED THROUGH A
NUCLEAR INFORMATION EXCHANGE NETWORK THAT THE MOTOR BRAKES ON
MOV'S WHICH ARE SO EQUIPPED MAY NOT RELEASE UNDER DEGRADED
VOLTAGE CONDITIONS. INFORMATION ON THE EXACT FUNCTION OF THE
BRAKES WAS NOT PROVIDED BUT IT IS BELIEVED THAT THIS TYPE OF MOV
IS UNCOMMON (NAME OF THE MANUFACTURER WAS ALSO UNAVAILABLE).

REVIEW OF THE MILLSTONE SITE FOR MOV'S WITH MOTOR BREAKS
DETERMINED THAT THEY ARE USED ON FOUR FEEDWATER SUPPLY VALVES.
THE SPECIFIC VALVES ARE THE FEED PUMP DISCHARGE ISOLATION VALVES
AND THE FEED REG VALVE BLOCK VALVES. THE LICENSEE RELIES ON THESE
VALVES AS A BACKUP FOR FEEDWATER ISOLATION REQUIRED DURING A MAIN
STEAM LINE BREAK ACCIDENT. BECAUSE THE OPERATION OF THE MOTOR
BRAKES UNDER DEGRADED VOLTAGE CONDITIONS CAN NOT BE VERIFIED AT
POWER, THE LICENSEE HAS DECLARED THEM INOPERABLE. THIS PLACES THE
UNIT INTO TECH SPEC LCO 3.0.3 AND REQUIRES THE UNIT TO PROCEED TO
HOT SHUTDOWN CONDITIONS.

A TECH SPEC REQUIRED SHUTDOWN AT MILLSTONE PLACE THEM INTO AN
UNUSUAL EVENT PER THEIR EMERGENCY ACTION LEVELS. THE LICENSEE
PLANS TO CONDUCT AN ORDERLY
SHUTDOWN AND TEST THE VALVE MOTOR BRAKES FOR OPERABILITY UNDER
DEGRADED VOLTAGE CONDITIONS. THEY ARE ALSO REVIEWING A DESIGN
CHANGE TO DISABLE THE MOTOR BRAKES ON THESE VALVES.

LICENSEE WILL INFORM THE NRC RESIDENT INSPECTOR.

* * * UPDATE AT 1002 ON 09/15/93 BY MULLIN ENTERED BY HOO
JOLLIFFE * * *

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AT 1002 ON 09/15/93, WITH UNIT 2 IN MODE 3 (HOT STANDBY),
LICENSEE CLOSED THE 2 FEED PUMP DISCHARGE ISOLATION VALVES AND
THE 2 FEED REG VALVE BLOCK VALVES AND TERMINATED THE UNUSUAL
EVENT.

LICENSEE NOTIFIED THE NRC RESIDENT INSPECTOR AND DOES NOT PLAN TO
NOTIFY STATE AND LOCAL OFFICIALS OF THE TERMINATION OF THE
UNUSUAL EVENT.

HOO NOTIFIED R1DO KINNEMAN, NRR EO CHAFFEE, FEMA WRIGHT.

* * * UPDATE AT 1435 ON 09/15/93 BY THIERLING ENTERED BY HOO
LEWIS * * *

AT 1416 ON 09/15/93, LICENSEE NOTIFIED THE STATE OF THE
TERMINATION OF
THE UNUSUAL EVENT.

HOO NOTIFIED R1DO KINNEMAN.

NOTE: SEE EVENT #26064 FOR A RELATED EVENT.

LICENSEE: NORTHEAST UTILITIES

SITE: MILLSTONE 2

EN NUMBER: 26064

DOCKET: 05000336

EVENT DATE: 09-14-93

RX TYPE: PWR

EVENT TIME: 19:23

VENDORS: CE

NOTIFY DATE: 09-15-93

EMERGENCY CLASS: N/A REGION: 1 STATE: CT

TIME: 10:04

OPS OFFICER: DICK JOLLIFFE

10 CFR SECTION: NINF

INFORMATION ONLY

UNIT SCRAM RX INIT INITIAL MODE

CURR CURRENT MODE

CODE CRIT PWR

PWR

2	N	Y	100	POWER OPERATION	100	POWER OPERATION
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-VITAL AC BUS SYSTEM DECLARED INOPERABLE; LICENSEE SHOULD HAVE
DECLARED UE-

AT 1923 ON 09/14/93, #22E VITAL AC BUS SWITCHGEAR COOLING
COMPONENT HEAT EXCHANGER DEVELOPED A WATER LEAK. LICENSEE
DECLARED THE VITAL AC BUS SYSTEM INOPERABLE IN ORDER TO REPAIR
THE HEAT EXCHANGER.

TECH SPEC LCO A/S 3.8.2.1 REQUIRES LICENSEE TO RESTORE THE VITAL
AC BUS SYSTEM TO OPERABLE STATUS WITHIN 8 HOURS OR TO PLACE UNIT
2 IN AT LEAST COLD SHUTDOWN MODE WITHIN THE NEXT 36 HOURS.

AFTER FURTHER CONSIDERATION, LICENSEE DETERMINED THAT THEY SHOULD
HAVE DECLARED AN UNUSUAL EVENT DUE TO A TECH SPEC REQUIRED PLANT

SHUTDOWN.

LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

NOTE: SEE EVENT #26062 FOR A RELATED EVENT.

LICENSEE: NORTHEAST UTILITIES

SITE: MILLSTONE 2

EN NUMBER: 26073

DOCKET: 05000336

EVENT DATE: 09-17-93

RX TYPE: PWR

EVENT TIME: 09:37

VENDORS: CE

NOTIFY DATE: 09-17-93

EMERGENCY CLASS: N/A REGION: 1 STATE: CT

TIME: 09:37

OPS OFFICER: JOHN MacKINNON

10 CFR SECTION: APRE 50.72(b)(2)(vi)

OFFSITE NOTIFICATION

UNIT SCRAM RX INIT INITIAL MODE

CURR CURRENT MODE

CODE CRIT PWR

PWR

2 N N 0

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LICENSEE NOTIFIED STATE OF CONNECTICUT OFFICIALS THAT THEY ARE GOING TO BE SHUT DOWN GREATER THAN 48 HOURS IN ORDER TO INSPECT THE PIPE HANGERS BETWEEN THE CONDENSATE STORAGE TANK AND THE AUXILIARY FEEDWATER PUMPS IN ACCORDANCE WITH ASME CODE REQUIREMENTS.

LICENSEE WILL COOL UNIT 2 DOWN TO HOT SHUTDOWN MODE TO PERFORM THE INSPECTION.

LICENSEE INFORMED THE NRC RESIDENT INSPECTOR.

NOTE: SEE EVENT #26062 FOR BACKGROUND INFORMATION.