

# LICENSEE EVENT REPORT

CONTROL BLOCK: 

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(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME: 

01	M	A	Y	K	R	1
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 LICENSE NUMBER: 

0	0	-	0	0	0	0	0	-	0	0
---	---	---	---	---	---	---	---	---	---	---

 LICENSE TYPE: 

4	1	1	1	1
---	---	---	---	---

 EVENT TYPE: 

0	1
---	---

CATEGORY: 

01	CONT
----	------

 REPORT TYPE: 

T
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 REPORT SOURCE: 

L
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 DOCKET NUMBER: 

0	5	0	-	0	0	2	9
---	---	---	---	---	---	---	---

 EVENT DATE: 

0	6	2	4	7	6
---	---	---	---	---	---

 REPORT DATE: 

0	7	0	8	7	6
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## EVENT DESCRIPTION

02
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 (See Attached Sheet) \_\_\_\_\_ 80  

03
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 \_\_\_\_\_ 80  

04
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 \_\_\_\_\_ 80  

05
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 \_\_\_\_\_ 80  

06
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 \_\_\_\_\_ 80

SYSTEM CODE: 

Z	Z
---	---

 CAUSE CODE: 

A
---

 COMPONENT CODE: 

Z	Z	Z	Z	Z	Z
---	---	---	---	---	---

 PRIME COMPONENT SUPPLIER: 

Z
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 COMPONENT MANUFACTURER: 

Z	9	9	9
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 VIOLATION: 

N
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## CAUSE DESCRIPTION

08
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 (See Attached Sheet) \_\_\_\_\_ 80  

09
----

 \_\_\_\_\_ 80  

10
----

 \_\_\_\_\_ 80

FACILITY STATUS: 

E
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 POWER: 

0	9	8
---	---	---

 STATUS: 

NA
----

 METHOD OF DISCOVERY: 

A
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 DISCOVERY DESCRIPTION: 

NA
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FORM OF ACTIVITY RELEASED: 

Z
---

 CONTENT OF RELEASE: 

NA
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 AMOUNT OF ACTIVITY: 

NA
----

 LOCATION OF RELEASE: 

NA
----

## PERSONNEL EXPOSURES

NUMBER: 

0	0	0
---	---	---

 TYPE: 

Z
---

 DESCRIPTION: 

NA
----

## PERSONNEL INJURIES

NUMBER: 

0	0	0
---	---	---

 DESCRIPTION: 

NA
----

## OFFSITE CONSEQUENCES

15
----

 NA \_\_\_\_\_ 80

## LOSS OR DAMAGE TO FACILITY

TYPE: 

Z
---

 DESCRIPTION: 

NA
----

## PUBLICITY

17
----

 NA \_\_\_\_\_ 80

## ADDITIONAL FACTORS

18
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 \_\_\_\_\_ 80

19
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 \_\_\_\_\_ 80

8011210 283

NAME: J. L. Staub

PHONE: 413-625-6140

EVENT DESCRIPTION

During normal operation a routine safety injection tank makeup was performed according to approved plant procedures. The supervisor completing the procedure contacted higher supervision indicating he could not meet the acceptance criteria of the procedure and questioned the reason for the upper limit on Boron concentration. The supervisor was informed that the acceptance criteria upper limit was based on the new accident analysis limit for boron precipitation. Even though the safety injection tank boron concentration was exactly at the safety analysis limit and greater than the conservative acceptance criteria of the procedure the concentration could not be decreased due to time limitations on the length of time the safety injection tank recirculation valve may be open during the month imposed by Technical Specification Change No. 126.

A subsequent review of procedures completed since start up of Core XII revealed that on ten (10) occasions the acceptance criteria had been exceeded during makeup without any corrective action and three (3) of these exceeded the safety analysis limit of 2400 ppm.

This incident is reported as Reportable Occurrence 50-29/76-06.

CAUSE DESCRIPTION

Change 117, Supplement 3, Enclosure A required specific upper limits on boron concentration in the safety injection tank, safety injection accumulator and Main Coolant system to preclude boron precipitation in the unlikely event of a loss of coolant accident. The potential consequences from this incident have been found to be minimal since a calculation of total ppm of boron based on volume weighed average concentration was less than that assumed in the accident analysis.

Previous cores had not required an upper limit on boron concentration. Though the makeup procedure had been revised consistent with the safety analysis, the procedure had been performed with apparent disregard for the acceptance criteria. Consequently, the boron concentration limits were exceeded in an attempt to leave a conservative margin to the low limit. Chemistry calculations for makeup did not consider a high limit for similar reasons.

The personnel involved were reminded of their responsibilities to strictly adhere the plant procedure requirements.

50-29

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

INCIDENT REPORT

TO:  
  
Mr. J. P. O'Reilly

FROM:  
Yankee Atomic-Electric Company  
Rowe, Mass.  
Mr. Herbert A. Autio

7/8/76

7/10/76

LETTER  
 ORIGINAL  
 COPY

NOTORIZED  
 UNCLASSIFIED

PROP

INPUT FORM

one signed copy

DESCRIPTION

Ltr. trans the following:

(1-P)

PLANT NAME:  
Yankee Rowe

ENCLOSURE

Licensee Event Report (RO 50-29/76-06/01T) on 6/24/76 concerning a routine safety injection tank makeup being performed and not meeting the acceptance criteria of the procedure.

ACKNOWLEDGED

DO NOT REMOVE

(2-P)

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED SEND DIRECTLY TO KREGER/J. COLLINS

FOR ACTION/INFORMATION

7/13/76

RJL

BRANCH CHIEF: Schwencer  
W/3 CYS FOR ACTION

LIC. ASST.: Sheppard  
W/ / CYS  
ACRS /6 CYS HOLDING/SENT TO LA

INTERNAL DISTRIBUTION

REG FILE

NRC PDR

I & E (2)

MIPC

SCHROEDER/IPPOLITO

HOUSTON

NOVAK/CHECK

GRIMES

CASE

BUTLER

HANAUER

TEDESCO/MACCARY

EISENHUT

BAER

SHAO

VOLLMER/BUNCH

KREGER/J. COLLINS

EXTERNAL DISTRIBUTION

LPDR: Greenfield, Mass.

TIC:

NSIC:

CONTROL NUMBER

6906