REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL 50-305

REC: KEPPLER J G ORG: JAMES E W DOCDATE: 01/19/78
NRC WI PUB SVC DATE RCVD: 01/26/78

DOCTYPE: LETTER NOTARIZED: NO COPIES RECEIVED
SUBJECT: LTR 1 ENCL 1
LICENSEE EVENT REPT 50-305/77-37,38, AND 39 ON 12/20,12/21, AND 12/23/77 RESPECTIVELY CONCERNING CONDENSATE TANK DRAWN BELOW 75,000 GAL, D/G WOULD NOT PICK UP MORE THAN 1500 KW, AND ICS PUMP 1B FAILED TO START DURING OPERATIONAL TEST.

PLANT NAME: KEWAUNEE REVIEWER INITIAL: XBT
DISTRIBUTOR INITIAL:

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

NOTES:
1. SEND 4 COPIES OF ALL MATERIAL TO I&E
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(DISTRIBUTION CODE A002)

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DISTRIBUTION: LTR 45 ENCL 45 CONTROL NBR: 780270091
SIZE: 5P

60
to 4

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

WISCONSIN PUBLIC SERVICE CORPORATION

Public Service

P.O. Box 1200, Green Bay, Wisconsin 54305

January 19, 1978

Mr. J. G. Keppler, Regional Director
Office of Inspection & Enforcement
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Dear Mr. Keppler:

Docket 50-305
Operating License DPR-43
Reportable Occurrences RO 77-37, 38 and 29

In accordance with the requirements of Technical Specifications, Section 6.9, the attached Licensee Event Reports for reportable occurrences RO 77-37, 38 and 39 are being submitted.

Very truly yours,

E. W. James
Senior Vice President
Power Supply & Engineering

sa

Attach.

cc - Dir, Office of Inspection & Enforcement
US NRC, Washington, D. C. 20555
Dir, Office of Mgt Info & Program Control
US NRC, Washington, D. C. 20555

A002/S
4/6

(7-77)

LICENSEE EVENT REPORT

CONTROL BLOCK: | | | | | | | (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

Line	Field	Value
0 1	Licensee Code (2)	W I K N P 1
	License Number (3)	0 0 - 0 0 0 0 0 - 0 0
	License Type (4)	4 1 1 1 1
	CAT (5)	
CON'T 0 1	Report Source (6)	L
	Docket Number (7)	0 5 0 0 0 3 0 5
	Event Date (8)	1 2 2 0 7 7
	Report Date (9)	0 1 1 9 7 8

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 Following a reactor trip, the plant was being maintained in hot shutdown and the

0 3 condensate storage tank (CST) was drawn below 75,000 gallons through normal water

0 4 usage for plant conditions. This placed the facility under LCO TS 3.4.a.4. The

0 5 service water supply was available and the demineralizers were operating and re-

0 6 turned CST level above 75,000 gallons in about five hours; therefore, there was no

0 7 effect on the plant or on public safety.

0 8

Line 0 9	Value
System Code (11)	W F
Cause Code (12)	X
Cause Subcode (13)	Z
Component Code (14)	A C C U M U
Comp. Subcode (15)	Z
Valve Subcode (16)	Z

(17) LER/RO REPORT NUMBER

Event Year		Sequential Report No.		Occurrence Code	Report Type		Revision No.
7 7	—	0 3 7	/	0 3	L	—	0

Action Taken (18)	Future Action (19)	Effect on Plant (20)	Shutdown Method (21)	Hours (22)	Attachment Submitted (23)	NPRD-4 Form Sub. (24)	Prime Comp. Supplier (25)	Component Manufacturer (26)
X	Z	Z	Z	0 0 0 0	N	N	A	G 0 5 5

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 This condition is possible whenever an unexpected reactor trip from sustained high

1 1 power operation occurs. All systems operated normally and CST level was returned

1 2 to normal as soon as possible. No further corrective actions are necessary.

1 3

1 4

Line	Field	Value
1 5	Facility Status (28)	G
	% Power (29)	0 0 0
	Other Status (30)	Hot Shutdown
	Method of Discovery (31)	A
	Discovery Description (32)	Operator Observation
1 6	Activity Released (33)	Z
	Content of Release (34)	Z
	Amount of Activity (35)	NA
	Location of Release (36)	NA
1 7	Personnel Exposures Number (37)	0 0 0
	Type (38)	Z
	Description (39)	NA
1 8	Personnel Injuries Number (40)	0 0 0
	Description (41)	NA
1 9	Loss of or Damage to Facility (43) Type (42)	Z
	Description	NA
2 0	Publicity Issued (44)	N
	Description (45)	NA
	NRC USE ONLY	

NAME OF PREPARER G. H. Ruiter PHONE: (414) 433-1329

GPO 917-926

NRC FORM 366
(7-77)

LICENSEE EVENT REPORT

CONTROL BLOCK: | | | | | | | (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1	W I K N P 1 (2)	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	REPORT SOURCE L (6)	0 5 0 0 0 3 0 5 (7)	1 2 2 1 7 7 (8)	0 1 1 9 7 8 (9)
7 8	60	61 DOCKET NUMBER 68	69 EVENT DATE 74	75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During routine startup operation, surveillance testing on D/G 1B indicated that the
0 3 D/G would not pick up more than 1500 Kw which placed the plant under LCO TS 3.7.b.2.
0 4 Adjustment of the synchronizer motor limit switches was performed and the D/G
0 5 satisfactorily completed the full load operation surveillance testing. Offsite power
0 6 and D/G 1A were available, therefore, there was no effect on plant operation or public
0 7 safety.
0 8

0 9	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
	E E (11)	D (12)	Z (13)	E N G I N E (14)	Z (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	7 7	—	0 3 8	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
E (18)	G (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	Z (25)	W 0 9 7 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The D/G synchronizer limit switches were adjusted and the local RPM meter was
1 1 calibrated about three weeks prior to this occurrence during corrective maintenance
1 2 for an RPM indication problem. The MWR procedure as written did not require testing
1 3 of the D/G at full load. The synchronizer limit switches were returned to their
1 4 original settings and the SP was rerun satisfactorily. A change to the D/G (cont.)

1 5	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
	C (28)	0 6 5 (29)	NA	B (31)	Surveillance Procedure

1 6	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

1 7	NUMBER	TYPE	DESCRIPTION (39)
	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

1 8	NUMBER	DESCRIPTION (41)
	0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

1 9	TYPE	DESCRIPTION
	Z (42)	NA

PUBLICITY

2 0	ISSUED	DESCRIPTION (45)	NRC USE ONLY
	N (44)	NA	

NAME OF PREPARER G. H. Ruiter PHONE: (414) 433-1329

GPO 917-926

Attachment to LER 77-038/03L-0

Cause Description and Corrective Actions (Cont.)

maintenance manual will be made to provide for operational testing following adjustments to control components.

(7-77)

LICENSEE EVENT REPORT

CONTROL BLOCK: [| | | | |] (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

Line	Field	Entry
0 1	LICENSEE CODE (9–14) (2)	W I K N P 1
	LICENSE NUMBER (15–25) (3)	0 0 - 0 0 0 0 0 - 0 0
	LICENSE TYPE (26–30) (4)	4 1 1 1 1
	CAT (57–58) (5)	
0 1 (CON'T)	REPORT SOURCE (60) (6)	L
	DOCKET NUMBER (61–68) (7)	0 5 0 0 0 3 0 5
	EVENT DATE (69–74) (8)	1 2 2 3 7 7
	REPORT DATE (75–80) (9)	0 1 1 9 7 8

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During full power operation, ICS pump 1B failed to start during an operational test
0 3 performed prior to starting TCR modifications. This placed the plant under LCO
0 4 TS 3.3.b.2.B. The ICS pump started on the second attempt. Earlier ICS pump
0 5 start failures have been reported by LER 77-27/03L-0 and 77-29/03L-0. The TCR
0 6 modifications raised the ICS pump breaker instantaneous overcurrent trip settings
0 7 in an effort to provide additional pump start reliability. The other ICS pump and
0 8 all fan coil units were available; there was no effect on plant operation or public safety.

Line	SYSTEM CODE (11)	CAUSE CODE (12)	CAUSE SUBCODE (13)	COMPONENT CODE (14)	COMP. SUBCODE (15)	VALVE SUBCODE (16)
0 9	S B	X	Z	P U M P X X	B	Z

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
7 7	—	0 3 9	/	0 3	L	—	0

ACTION TAKEN (18)	FUTURE ACTION (19)	EFFECT ON PLANT (20)	SHUTDOWN METHOD (21)	HOURS (22)	ATTACHMENT SUBMITTED (23)	NPRD-4 FORM SUB. (24)	PRIME COMP. SUPPLIER (25)	COMPONENT MANUFACTURER (26)
X	X	Z	Z	0 0 0 0	N	Y	A	I 0 7 5

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause of these pump start failures is still not definitely known, however,
1 1 during the TCR work the 1A pump breaker static trip device was found to be operating
1 2 erratically and was replaced. Our investigation will continue and definitive
1 3 identification of the cause of failure will be reported upon discovery. The
1 4 increased instantaneous overcurrent trip settings should provide more pump start reliability.

Line	FACILITY STATUS (28)	% POWER (29)	OTHER STATUS (30)	METHOD OF DISCOVERY (31)	DISCOVERY DESCRIPTION (32)
1 5	E	1 0 0	NA	B	Pre-maintenance Operational Test

Line	ACTIVITY RELEASED (33)	CONTENT OF RELEASE (34)	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
1 6	Z	Z	NA	NA

PERSONNEL EXPOSURES

Line	NUMBER (37)	TYPE (38)	DESCRIPTION (39)
1 7	0 0 0	Z	NA

PERSONNEL INJURIES

Line	NUMBER (40)	DESCRIPTION (41)
1 8	0 0 0	NA

LOSS OF OR DAMAGE TO FACILITY (43)

Line	TYPE (42)	DESCRIPTION
1 9	Z	NA

PUBLICITY

Line	ISSUED (44)	DESCRIPTION (45)	NRC USE ONLY
2 0	N	NA	

NAME OF PREPARER: G. H. Ruiter PHONE: (414) 433-1329

GPO 917-926