

I 04/28/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)  
DISTRIBUTION FOR INCOMING MATERIAL

50-305

REC: KEPPLER J G  
NRC

ORG: JAMES E W  
WI PUB SVC

DOCDATE: 04/12/78  
DATE RCVD: 04/28/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED

SUBJECT:

LTR 1 ENCL 1

FORWARDING LICENSEE EVENT REPT (RO 50-305/011) ON 03/29/78 CONCERNING RMS  
MONITOR R-15 WAS TAKEN OUT OF SVC... MONITOR R-19 PLACED IN OPERATION, 3 HRS  
LATER SAMPLE VALVES FOR R-19 WERE NOT OPEN WHICH RESULTED IN A VIOLATION OF  
TECH SPEC 3.9.A.4... W/ATT LE

PLANT NAME: KEWAUNEE

REVIEWER INITIAL: XJM  
DISTRIBUTOR INITIAL: DL

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

NOTES:

1. SEND 4 COPIES OF ALL MATERIAL TO I&E
2. LAWRENCE(OELD) - 1 COPY ALL MATERIAL

INCIDENT REPORTS  
(DISTRIBUTION CODE A002)

FOR ACTION: BR CHIEF SCHWENCER\*\*W/4 ENCL

INTERNAL:

REG FILE\*\*W/ENCL

I & E\*\*W/2 ENCL

SCHROEDER/IPPOLITO\*\*W/ENCL

NOVAK/CHECK\*\*W/ENCL

KNIGHT\*\*W/ENCL

HANAUER\*\*W/ENCL

EISENHUT\*\*W/ENCL

SHAO\*\*W/ENCL

KREGER/J. COLLINS\*\*W/ENCL

K SEYFRIT/IE\*\*W/ENCL

NRC PDR\*\*W/ENCL

MIPC\*\*W/3 ENCL

HOUSTON\*\*W/ENCL

EEB\*\*W/ENCL

BUTLER\*\*W/ENCL

TEDESCO\*\*W/ENCL

BAER\*\*W/ENCL

VOLLMER/BUNCH\*\*W/ENCL

ROSA\*\*W/ENCL

EXTERNAL:

LPDR'S

KEWAUNEE, WI\*\*W/ENCL

TIC\*\*W/ENCL

NSIC\*\*W/ENCL

ACRS CAT B\*\*W/16 ENCL

COPIES NOT SUBMITTED PER  
REGULATORY GUIDE 10.1

DISTRIBUTION: LTR 45 ENCL 45  
SIZE: 1P+1P+1P

CONTROL NBR: 781180105

\*\*\*\*\* THE END \*\*\*\*\*

*D. Lankham*

WISCONSIN PUBLIC SERVICE CORPORATION



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

RECEIVED DISTRIBUTION  
SERVICES UNIT  
1978 APR 28 AM 10 25  
US NRC  
DISTRIBUTION SERVICES  
BRANCH

April 12, 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 Occurrence LER 78-001/01T-0 and LER 78-010/01T-1

In accordance with the requirements of Technical Specifications, Section 6.9, the attached Licensee Event Report for reportable occurrence LER 78-011/01T-0 is being submitted. This report was sent in 24 hours initially as reportable occurrence 78-09. Please update that report number to 78-11.

An error was made in the event description section of LER 78-010/01T-0 sent by my letter dated April 10, 1978. Attached you will find revision LER 78-010/01T-1 to this report.

Very truly yours,

*E.R. Mathews for*  
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

REGULATORY DOCKET FILE COPY

781180105

*1002  
111*

APR 14 1978

# LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 7 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 14 15 25 26 30 57 CAT 58

LICENSEE CODE LICENSE NUMBER LICENSE TYPE

CON'T

0 1 REPORT SOURCE 60 61 68 69 74 75 80

REPORT DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During steady full power operation RMS monitor R-15 was taken out of service because

0 3 | a faulty low voltage power supply was causing erratic R-15 operation and spurious

0 4 | tripping of S/G blowdown and sample valves. Monitor R-19 was placed in operation,

0 5 | however, it was discovered about 3 hours later that the sample valves for R-19 were

0 6 | not open which resulted in a violation of TS 3.9.a.4. Results of S/G blowdown samples

0 7 | before and after this occurrence indicate no radiological release. Therefore, there

0 8 | was no release to the environment and no effect on public safety.

7 9 8

7 8		SYSTEM CODE M C 11		CAUSE CODE A 12		CAUSE SUBCODE A 13		COMPONENT CODE V A L V E X 14				COMP. SUBCODE Z 15		VALVE SUBCODE N 16			
17 LER RO REPORT NUMBER		EVENT YEAR 7 8		SEQUENTIAL REPORT NO. 0 1 1		OCCURRENCE CODE 0 1		REPORT TYPE T		REVISION NO. 0							
ACTION TAKEN H 18		FUTURE ACTION H 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 0 22		ATTACHMENT SUBMITTED N 23		NPRD-4 FORM SUB. N 24		PRIME COMP. SUPPLIER Z 25		COMPONENT MANUFACTURER Z 9 9 9 26	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

1 0 This incident was caused by a personnel error. The operator failed to open the sample

1 1 valves while switching to R-19 following the last S/G blowdown trip caused by R-15.

1 2 The involved operator has been counseled regarding this occurrence. This incident will

1 3 be reviewed with all operating crews.

1 4

7	8	9	FACILITY STATUS						% POWER	OTHER STATUS						(30)	METHOD OF DISCOVERY										DISCOVERY DESCRIPTION										(32)
1	5	E	28	1	0	0	29	NA		A	31	Operator observation																									
7	8	9	ACTIVITY CONTENT RELEASED OF RELEASE						AMOUNT OF ACTIVITY	(35)											LOCATION OF RELEASE	(36)															
1	6	Z	32	Z	34	None										NA																					
7	8	9	PERSONNEL EXPOSURES NUMBER						TYPE	DESCRIPTION	(39)																										
1	7	0	0	0	37	Z	38	NA																													
7	8	9	PERSONNEL INJURIES NUMBER						DESCRIPTION	(41)																											
1	8	0	0	0	40	NA																															
7	8	9	LOSS OF OR DAMAGE TO FACILITY TYPE						DESCRIPTION	(43)																											
1	9	Z	42	NA																																	
7	8	9	PUBLICITY ISSUED						DESCRIPTION	(45)											NRC USE ONLY																
2	0	N	44	NA																																	
7	8	9																																			

NAME OF PREPARER G. H. Ruiter

PHONE: (414) 433-1329

## LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	W	I	K	N	P	1	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4	5					
LICENSEE CODE								LICENSE NUMBER												LICENSE TYPE				57 CAT 58							
CON'T		REPORT SOURCE		DOCKET NUMBER												EVENT DATE				REPORT DATE											
0	1	L	0	5	0	0	0	3	0	5	0	3	2	7	7	8	0	4	1	0	7	8									
7		8		60												65				74				75				80			

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0	2	Our NSSS supplier notified us of a logic error in the calculational code for ECCS																																																																																	
0	3	LOCA analysis which does not properly account for the heating effect of the zircalloy/																																																																																	
0	4	water reaction. The impact of this effect would increase the calculated peak fuel																																																																																	
0	5	clad temperature. However, currently docketed Appendix K calculations not used in																																																																																	
0	6	our LOCA analysis uses a different blowdown heat transfer coefficient which would																																																																																	
0	7	negate this effect and in fact would result in a net decrease in calculated peak																																																																																	
0	8	fuel clad temperature.																																																																																	
7		8		9		80																																																																													

0		9		SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE								COMP. SUBCODE		VALVE SUBCODE	
7		8		X X		X		Z		Z Z Z Z Z Z								Z		Z	
9		10		11		12		13		14								15		16	
17		18		19		20		21		22								23		24	
25		26		27		28		29		30								31		32	
33		34		35		36		37		38								39		40	
41		42		43		44		45		46								47		48	
49		50		51		52		53		54								55		56	
57		58		59		60		61		62								63		64	
65		66		67		68		69		70								71		72	
73		74		75		76		77		78								79		80	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1	0	Our NSSS supplier has provided us with the results of calculations performed to show																																																																																	
1	1	that no changes in the operation of the Kewaunee Nuclear Power Plant are immediately																																																																																	
1	2	necessary. This information has been submitted to Division of Operating Reactors on																																																																																	
1	3	April 10, 1978, and further discussions concerning corrective actions will be carried																																																																																	
1	4	on with the NRC in Washington.																																																																																	
7		8		9		80																																																																													

1		5		FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
7		8		E		1 0 0		NA		D		Notification from NSSS	
9		10		11		12		13		14		15	
16		17		18		19		20		21		22	
23		24		25		26		27		28		29	
30		31		32		33		34		35		36	
37		38		39		40		41		42		43	
44		45		46		47		48		49		50	
51		52		53		54		55		56		57	
58		59		60		61		62		63		64	
65		66		67		68		69		70		71	
72		73		74		75		76		77		78	
79		80		81		82		83		84		85	
86		87		88		89		90		91		92	
93		94		95		96		97		98		99	
100		101		102		103		104		105		106	
107		108		109		110		111		112		113	
114		115		116		117		118		119		120	
121		122		123		124		125		126		127	
128		129		130		131		132		133		134	
135		136		137		138		139		140		141	
142		143		144		145		146		147		148	
149		150		151		152		153		154		155	
156		157		158		159		160		161		162	
163		164		165		166		167		168		169	
170		171		172		173		174		175		176	
177		178		179		180		181		182		183	
184		185		186		187		188		189		190	
191		192		193		194		195		196		197	
198		199		200		201		202		203		204	
205		206		207		208		209		210		211	
212		213		214		215		216		217		218	
219		220		221		222		223		224		225	
226		227		228		229		230		231		232	
233		234		235		236		237		238		239	
240		241		242		243		244		245		246	
247		248		249		250		251		252		253	
254		255		256		257		258		259		260	
261		262		263		264		265		266		267	
268		269		270		271		272		273		274	
275		276		277		278		279		280		281	
282		283		284		285		286		287		288	
289		290		291		292		293		294		295	
296		297		298		299		300		301		302	
303		304		305		306		307		308		309	
310		311		312		313		314		315		316	
317		318		319		320		321		322		323	
324		325		326		327		328		329		330	
331		332		333		334		335		336		337	
338		339		340		341		342		343		344	
345		346		347		348		349		350		351	
352		353		354		355		356		357		358	
359		360		361		362		363		364		365	
366		367		368		369		370		371		372	
373		374		375		376		377		378		379	
380		381		382		383		384		385		386	
387		388		389		390		391		392		393	
394		395		396		397		398		399		400	
401		402		403		404		405		406		407	
408		409		410		411		412		413		414	
415		416		417		418		419		420		421	
422		423		424		425		426		427		428	
429		430		431		432		433		434		435	
436		437		438		439		440		441		442	
443		444		445		446		447		448		449	
450		451		452		453		454		455		456	
457		458		459		460		461		462		463	
464		465		466		467		468		469		470	
471		472		473		474		475		476		477	
478		479		480		481		482		483		484	
485		486		487		488		489		490		491	
492		493		494		495		496		497		498	
499		500		501		502		503		504		505	
506		507		508		509		510		511		512	
513		514		515		516		517		518		519	
520		521		522		523		524		525		526	
527		528		529		530		531		532		533	
534		535		536		537		538		539		540	
541		542		543		544		545		546		547	
548		549		550		551		552		553		554	
555		556		557		558		559		560		561	
562		563		564		565		566		567		568	
569		570		571		572		573		574		575	
576		577		578		579		580		581		582	
583		584		585		586		587		588		589	
590		591		592		593		594		595		596	
597		598		599		600		601		602		603	
604		605		606		607		608		609		610	
611		612		613		614		615		616		617	
618		619		620		621		622		623		624	
625		626		627		628		629		630		631	
632		633		634		635		636		637		638	
639		640		641		642		643		644		645	
646		647		648		649		650		651		652	
653		654		655		656		657		658		659	
660		661		662		663		664		665		666	
667		668		669		670		671		672		673	
674		675		676		677		678		679		680	
681		682		683		684		685		686		687	
688		689		690		691		692		693		694	
695		696		697		698		699		700		701	
702		703		704		705		706		707		708	
709		710		711		712		713		714		715	
716		717		718		719		720		721		722	
723		724		725		726		727		728		729	
730		731		732		733		734		735		736	
737		738		739		740		741		742		743	
744		745		746		747		748		749		750	
751		752		753		754		755		756		757	
758		759		760		761		762		763		764	
765		766		767		768		769		770		771	
772		773		774		775		776		777		778	
779		780		781		782		783		784		785	
786		787		788		789		790		791		792	
793		794		795		796		797		798		799	
800		801		802		803		804		805		806	
807		808		809		810		811		812		813	
814		815		816		817		818		819		820	
821		822		823		824		825		826		827	
828		829		830		831		832		833		834	
835		836		837		838		839		840		841	
842		843		844		845		846		847		848	
849		850		851		852		853		854		855	
856		857		858		859		860		861		862	
863		864		865		866		867		868		869	
870		871		872									