D. Lanham

Consumers Power Company

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September 21, 1976

Mr James G Keppler
Office of Inspection & Enforcement
Region III
US Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

DOCKET 50-255, LICENSE DPR-20 -
PALISADES PLANT, CONTROL ROD DRIVES -
ER-76-29, -30 AND -31

Attached are three Licensee Event Reports which relate to our Palisades Plant. Normal plant reporting requirements require these to be reported in thirty days; however, the Palisades special Technical Specifications intended that these events be reported under an old specification requirement which is equivalent to the present Prompt Notification requirements. In the future, it is our intention to report these events as required under the present Prompt Notification requirements.

David A. Bixel

David A Bixel
Assistant Nuclear Licensing Administrator

9834

SEP 23 1976

LICENSEE EVENT REPORT

CONTROL BLOCK: [ ] (1–6)

Palisades
(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
MIPALL (9–14)	00-00000-00 (15–25)	4 1 1 1 1 (26–30)	0 1 (31–32)

REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
CON'T (57–58) T (59)	L (60)	050-0255 (61–68)	082776 (69–74)	092176 (75–80)

EVENT DESCRIPTION

While maintaining Rx critical at low power, control rod motion was necessary which resulted in two occasions when rod No 37 was misaligned by up to 11.2 inches. Each occasion lasted for less than one minute. (ER-76-029)

SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
RB (9–10)	E (11)	CONRD (12–17)	N (43)	X999 (44–47)	N (48)

CAUSE DESCRIPTION

Rod No 37 failed to move with its group due to problems with the motor/brake assembly. The motor/brake assembly was replaced and brake inspection procedures are being developed. The Combustion Engineering motor/brake assembly (see Line 18)

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
G (9)	000 (10–12)	NA (13–44)	a (45)	NA (46–80)

FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
Z (9)	Z (10)	NA (11–44)	NA (45–60)

PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION
000 (9–11)	Z (12)	NA (13–80)

PERSONNEL INJURIES

NUMBER	DESCRIPTION
000 (9–11)	NA (12–80)

PROBABLE CONSEQUENCES

None.

LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION
Z (9)	NA (10–80)

PUBLICITY

NA

ADDITIONAL FACTORS

piece number is CND-SD-2108. The assembly is manufactured by IMC Magnetics Corp, Eastern Division, 570 Main Street, Westbury, NY 11591.

LICENSEE EVENT REPORT

Palisades

(PLEASE PRINT ALL REQUIRED INFORMATION)

CONTROL BLOCK: [ ] (1–6)

LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01 MIPAL1 (7–14)	00-00000-00 (15–25)	4111 (26–30)	01 (31–32)

CONT	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
01 (7–8)	T (59)	L (60)	05000255 (61–68)	082676 (69–74)	092176 (75–80)

EVENT DESCRIPTION

02 CRD No 39 failed to withdraw during power escalation. A rod drop test was performed
03 satisfactorily but attempts to withdraw the rod were unsuccessful. Resultant opera-
04 tion (below 50% power) was within the Technical Specifications (3.10.3 and 3.10.4).
05 (ER-76-30)
06

SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
07 RB (9–10)	E (11)	CONROD (12–17)	N (43)	X999 (44–47)	N (48)

CAUSE DESCRIPTION

08 The most probable cause of the failure is considered to be associated with the
09 motor/brake assembly. The motor/brake assembly was replaced and the CRDM operated
10 satisfactorily. Brake inspection procedures are being developed. (see Line 18)

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
11 C (9)	025 (10–12)	NA (13–44)	a (45)	NA (46–80)

FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
12 Z (9)	Z (10)	NA (11–44)	NA (45–80)

PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION
13 000 (9–11)	Z (12)	NA (13–80)

PERSONNEL INJURIES

NUMBER	DESCRIPTION
14 000 (9–11)	NA (12–80)

PROBABLE CONSEQUENCES

15 None. This mode of operation is permitted by the Technical Specifications.

LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION
16 Z (9)	NA (10–80)

PUBLICITY

17 NA

ADDITIONAL FACTORS

18 The assembly is manufactured by IMC Magnetics Corp. The Combustion Engineering
19 assembly piece number is CND-SD-2108.

LICENSEE EVENT REPORT

Palisades

CONTROL BLOCK: (1–6)

[PLEASE PRINT ALL REQUIRED INFORMATION]

	LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01	MIPAL1 (7–8, 9–14)	00–00000–00 (15–25)	41111 (26–30)	01 (31–32)

	CON'T	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
01	(57–58)	T (59)	L (60)	050–0255 (61–68)	091376 (69–74)	092176 (75–80)

EVENT DESCRIPTION

02 Due to seal leakage problems, CRDM No 13 is being considered inoperable. This
03 action is taken to prohibit additional drive movement which might lead to increased
04 seal leakage. The drive seal will be replaced at the next opportunity consistent
05 with plant operating requirements. (ER-76-31).
06

	SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
07	RB (9–10)	E (11)	CONROD (12–17)	N (43)	C490 (44–47)	N (48)

CAUSE DESCRIPTION

08 The cause of this event is beginning seal failure on CRDM No 13. The seal is made
09 by Garlock and is a Mechanipak Type 74BH seal (1-1/4" shaft), seal Code 74000-9004,
10 Ref Dwg B29751.

	FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
11	E (9)	099 (10–12)	NA (13–44)	a (45)	NA (46–80)

	FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
12	Z (9)	Z (10)	NA (11–44)	NA (45–80)

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION
13	000 (9–11)	Z (12)	NA (13–80)

PERSONNEL INJURIES

	NUMBER	DESCRIPTION
14	000 (9–11)	NA (12–80)

PROBABLE CONSEQUENCES

15 None. The drive remains capable of performing its safety function.

LOSS OR DAMAGE TO FACILITY

	TYPE	DESCRIPTION
16	Z (9)	NA (10–80)

PUBLICITY

17 NA

ADDITIONAL FACTORS

18 NA

19