

FILE: _____

FROM: Wisconsin Public Service Corp. Green Bay, Wis. 54305 E. W. James		DATE OF DOC 1-24-74	DATE REC'D 1-28-74	LTR X	MEMO	RPT	OTHER
TO: J. F. O'Leary		ORIG 1 signed	CC	OTHER	SENT AEC PDR <u>X</u> SENT LOCAL PDR <u>X</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-305		

DESCRIPTION:
Ltr reporting abnormal occurrence on 1-9-74, in which the diesel 1A air supply was tested and it had 13 seconds of cranking time which is below the required 20 seconds.....

ENCLOSURES:

DO NOT REMOVE

ACKNOWLEDGED

PLANT NAME: Kewaunee

FOR ACTION/INFORMATION 1-29-74 GC

BUTLER(L) W/ Copies	SCHWENCER(L) W/ Copies	ZIEMANN(L) W/ Copies	REGAN(E) W/ Copies
CLARK(L) W/ Copies	STOLZ(L) W/ Copies	DICKER(E) W/ Copies	W/ Copies
GOLLER(L) W/ Copies	VASSALLO(L) W/ Copies	KNIGHTON(E) W/ Copies	W/ Copies
XNIEL(L) W/ 7 Copies	SCHEMEL(L) W/ Copies	YOUNGBLOOD(E) W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

<u>REG FILE</u> AEC PDR GC, ROOM P-506A MUNTZING/STAFF CASE GIAMBUSSO BOYD MOORE (L)(BWR) DEYOUNG(L)(PWR) SKOVHOLT (L) P. COLLINS DENISE REG OPR FILE & REGION(3) MORRIS STEELE	<u>TECH REVIEW</u> MENDRIE SCHROEDER MACCARY KNIGHT PAWLICKI SHAO STELLO HOUSTON NOVAK ROSS IPPOLITO TEDESCO LONG LAINAS BENAROYA VOLLMER	DENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER <u>ENVIRO</u> MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR HARLESS	<u>LIC ASST</u> DIGGS (L) GEARIN (L) GOULBOURNE (L) LEE (L) MAIGRET (L) SERVICE (L) SHEPPARD (E) SMITH (L) TEETS (L) WADE (E) WILLIAMS (E) WILSON (L)	<u>A/T IND</u> BRAITMAN SALTZMAN B. HURT <u>PLANS</u> MCDONALD DUBE w/Input <u>INFO</u> C. MILES B. KING (RO)
--	---	---	---	--

EXTERNAL DISTRIBUTION

1 - LOCAL PDR Kewaunee, Wis	(1)(2)(10)-NATIONAL LAB'S	1-PDR-SAN/LA/NY
1 - DTIE(ABERNATHY)	1-ASLBP(E/W Bldg, Rm 529)	1-GERALD LELLOUCHE
1 - NSIC(BUCHANAN)	1-W. PENNINGTON, Rm E-201 GT	BROOKHAVEN NAT. LAB
1 - ASLB(YORE/SAYRE/ WOODARD/"H" ST.	1-CONSULTANT'S	1-AGMED(Ruth Gussman)
16 - CYS ACRS XXXXXXXX SENT TO LIC. ASST. 1-29-74 Service	NEWMARK/BLUME/AGBABIAN 1-GERALD ULRIKSON...ORNL	RM-B-127, GT. 1-RD..MULLER..F-309 GT

213

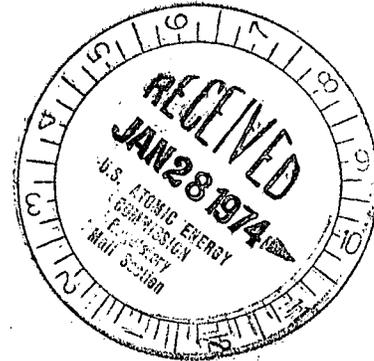
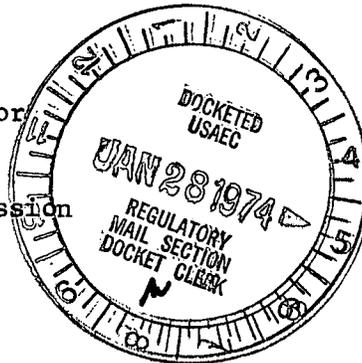
WISCONSIN PUBLIC SERVICE CORPORATION



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

January 24, 1974

Mr. J. F. O'Leary, Director
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545



Dear Mr. O'Leary:

Subject: Docket 50-305
Kewaunee Nuclear Power Plant
Diesel Generator Air Regulator

In accordance with the requirements of Technical Specifications, paragraph 6.6.2.b.2, we submit the following:

Introduction

The Kewaunee diesel generators were first field tested almost two (2) years ago and since that time, each diesel has been subjected to approximately 200 starts without failure. On January 9, 1974, a retest of the diesel cranking time was performed as a result of lowering the air receiver pressure from 245-275 psig to 220-240 psig. The minimum required cranking time is 20 seconds. Test results showed diesel 1B air supply provides a 24 second cranking time to reach minimum starting speed of 30 RPM; well within specifications. Diesel 1A air supply was tested and it had 13 seconds of cranking time which is below the required 20 seconds.

Problem

Since the diesels were capable of starting originally, it was apparent that the air motors were operable, but to provide assurance that the loss in cranking time was not due to faulty air motors, both the normal and alternate set of air motors were used. When the diesel failed to crank on subsequent tests, on either set of motors, it was suspected that the air pressure regulator valve (Parker-Model R-6150, 1 1/2") was faulty. The air pressure regulator was bypassed, the air pressure dropped to 200 psig, and the diesel was started within the allowable cranking time. The valve, therefore, was disassembled, found to be dirty, cleaned, the nylon seat lapped, replaced and, in retest of Diesel 1A, the cranking time was measured at 21 seconds, which meets specifications requirements.

Mr. J. F. O'Leary
Page 2
January 24, 1974

Corrective Action

A new regulator has been ordered as a spare. In addition, the diesels are started and loaded monthly in accordance with Technical Specification requirements, paragraph 4.6.a.1. If any problems are uncovered during the monthly tests, they shall be corrected in accordance with Technical Specifications, paragraph 3.7.b.2.

We believe that since the diesels have undergone the equivalent of 16 years of monthly starting cycles in the past two years, and this being the first instance of a component on the diesels being out of specifications, that the corrective action we have performed is adequate assurance that the diesel-generators will be available for their intended function should they be required.

Sincerely,



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

EWJ:sna

cc - Mr. J. G. Keppler, Regional Director
Directorate of Regulatory Operations,
Region III