

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 7908160362 DOC. DATE: 79/08/13 NOTARIZED: NO DOCKET #
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
 AUTH. NAME AUTHOR AFFILIATION
 UHRIG, R.E. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 SCHWENCER, A. Operating Reactors Branch 1

SUBJECT: Discusses full load test of emergency diesel generators.
 Forwards graphs showing parameters monitored at various levels.

DISTRIBUTION CODE: A001S COPIES RECEIVED: LTR 3 ENCL 3 SIZE: 6
 TITLE: GENERAL DISTRIBUTION FOR AFTER ISSUANCE OF OPERATING LIC

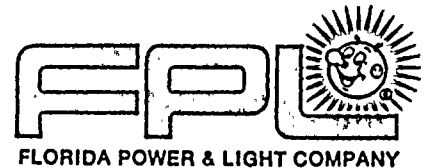
NOTES: -----

ACTION:	RECIPIENT	COPIES		RECIPIENT	COPIES	
	ID CODE/NAME	LTTR	ENCL		ID CODE/NAME	LTTR
	05 BC ORB #1	7	7			
INTERNAL:	01 REG FILE	1	1	02 NRC PDR	1	1
	12 I&E	2	2	14 TA/EDO	1	1
	15 CORE PERF BR	1	1	16 AD SYS/PROJ	1	1
	17 ENGR BR	1	1	18 REAC SFTY BR	1	1
	19 PLANT SYS BR	1	1	20 EEB	1	1
	21 EFLT TRT SYS	1	1	22 BRINKMAN	1	1
	OELD	1	0			
EXTERNAL:	03 LPDR	1	1	04 NSIC	1	1
	23 ACRS	16	16			

TOTAL
CCP

AUG 20 1979

TOTAL NUMBER OF COPIES REQUIRED: LTTR 39 ENCL 38



August 13, 1979
L-79-223

Office of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Schwencer:

Re: Turkey Point Units 3 & 4
Docket Nos. 50-250 & 50-251

On May 26, 1979, a one-time twenty-four hour full load test of the Emergency Diesel Generators was begun. The test was conducted in compliance with our commitment in letter L-79-113 of May 7, 1979. The events of the testing programs are documented in Reportable Occurrence 250-79-20.

The test was performed in accordance with Temporary Procedure 527, (Emergency Diesel Generators, Twenty-Four Hour Test Load on 4-KV Bus). The EDGs were aligned to the 4A and 4B 4160 V buses and paralleled to the FPL system to pickup load. The parameters that were monitored at discrete intervals were:

Load, output (KW)	Fuel Pressure (psi)
Frequency (Hz)	Oil Pressure (psi)
Generator Voltage (Volts)	Engine Coolant Temperature (°F)
Generator Current (Amps)	Outside Air Temperature (°F)
Fuel Oil Level in Day Tank (ft. & in.)	


The data is presented graphically in the attachments, and is derived from three separate tests: (1) simultaneous operation of both EDGs beginning on May 26, 1979, and lasting 10 hours, 35 minutes; (2) operation of the B EDG beginning on May 31, 1979, and lasting 24 hours; and (3) operation of the A EDG beginning on June 2, 1979, and lasting 24 hours, 25 minutes. The deviations from 2750/2500 KW, 60 Hz and 4160 V must be attributed to both operator bias in reading indicators and failure to manually control parameters at constant values. This is evident by the fact that frequency is shown to vary while it was confirmed that the FPL system frequency remained essentially constant.

7908160 362

A001
S 9/3

Test results verified the ability of the EDGs to operate at the 110% overload rating for 2 hours followed by operation at rated load for an additional 22 hours. Coolant system performance was satisfactory, i.e., temperature remained in the range recommended by the vendor (160-190 F). Additionally, the performance of the fuel system and the lubricating oil system was found to be satisfactory.

Very truly yours,

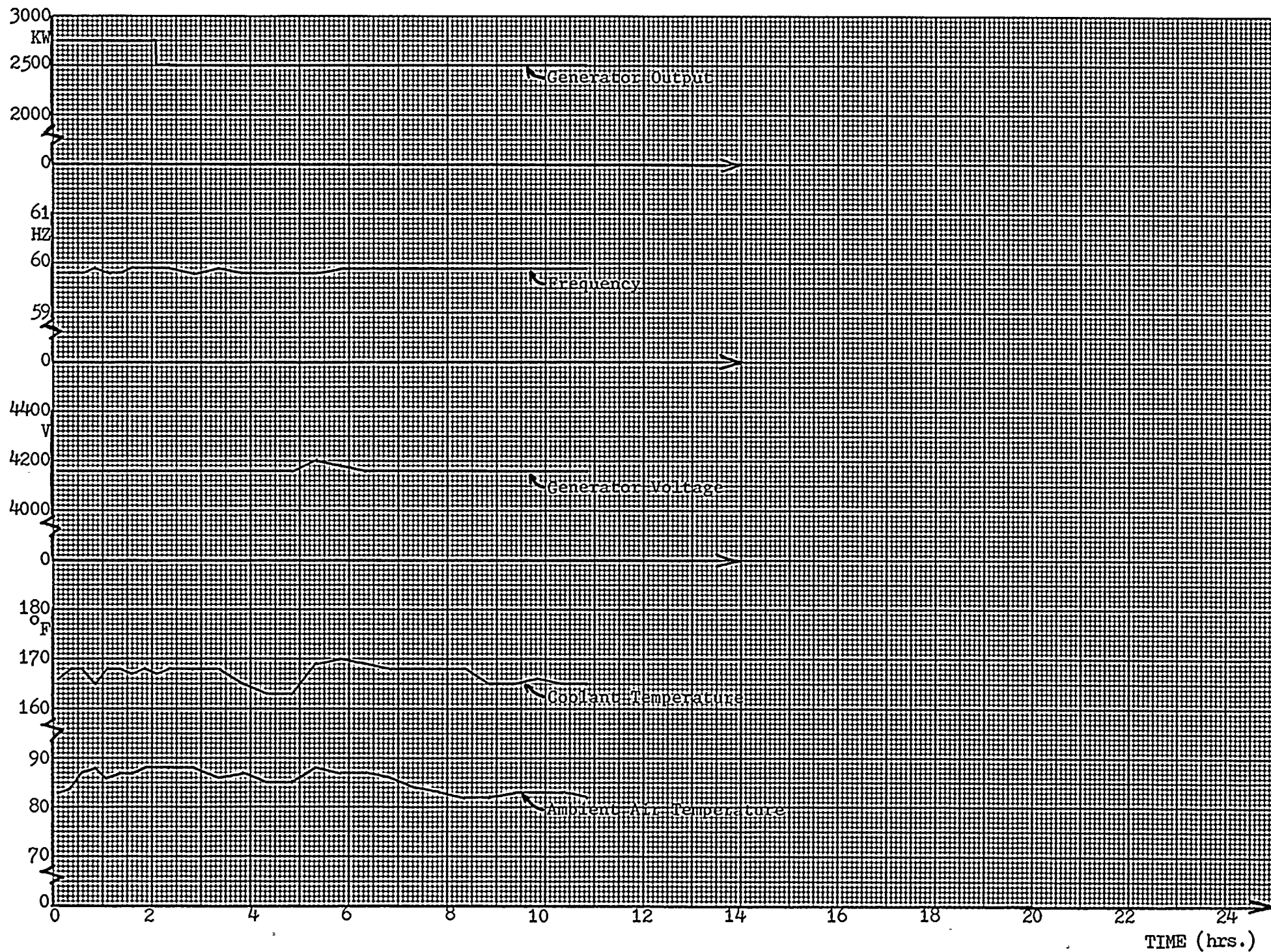
A handwritten signature in dark ink, appearing to read "R. E. Uhrig". The signature is stylized with a large, looped "R" and "U".

Robert E. Uhrig
Vice President
Advanced Systems & Technology

RE U/MAS/WAK:kg

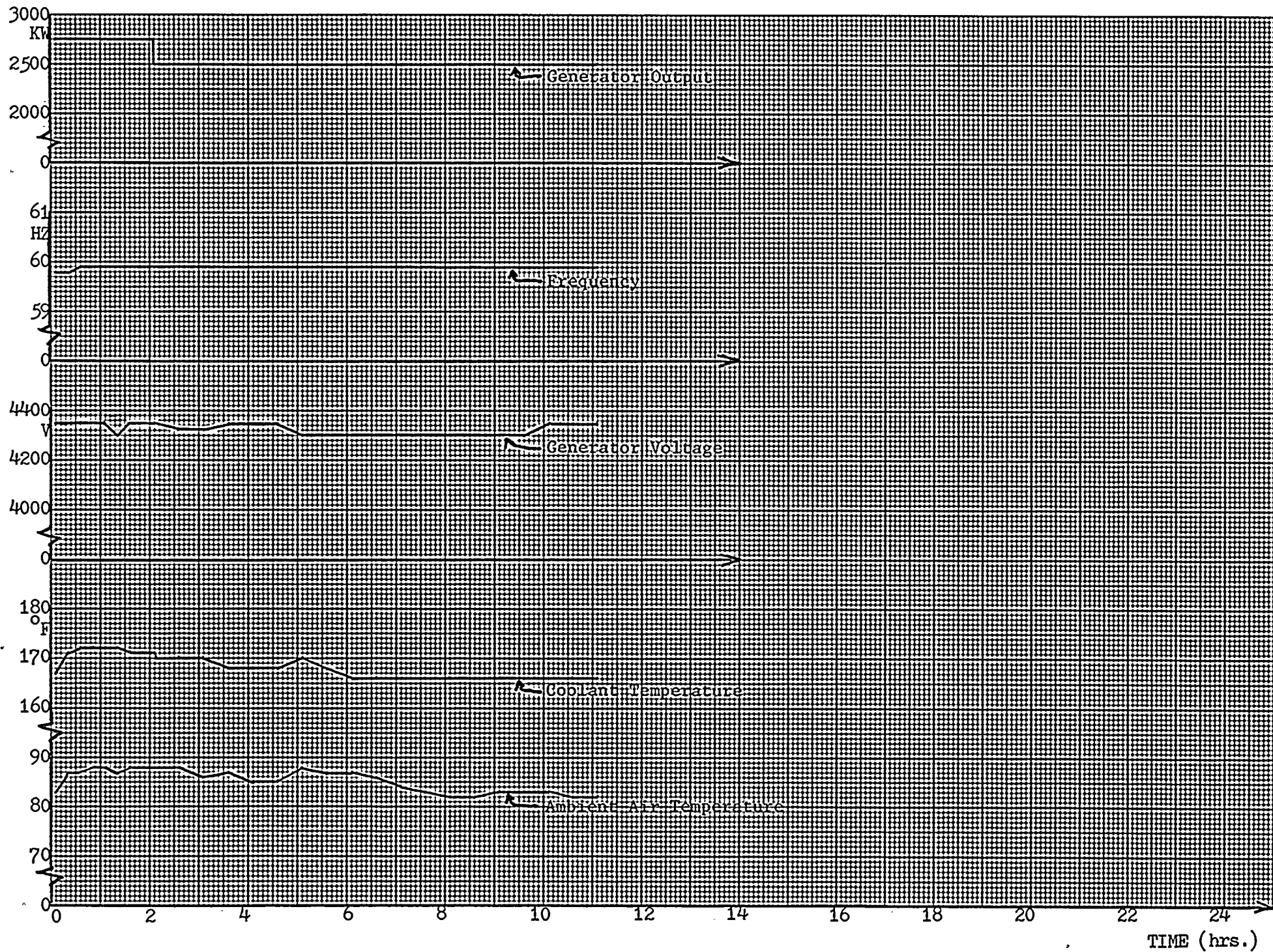
Attachment

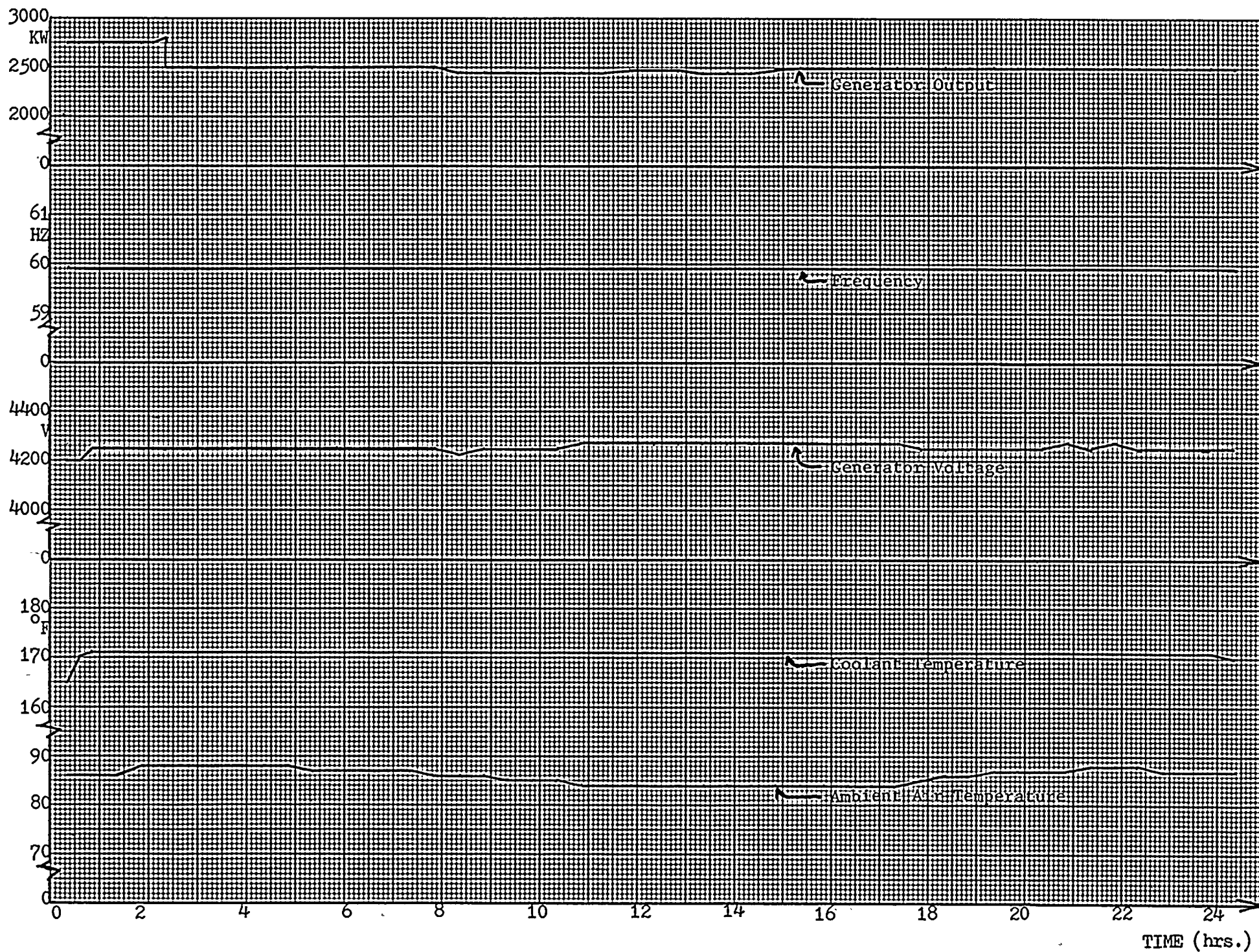
cc: J. P. O'Reilly, Region II
Robert Lowenstein, Esquire



A EDG (with simultaneous operation of B EDG)-5/26/79

ATTACHMENT 1





B EDG - 5/31/79

ATTACHMENT 3

