

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of	:	
	:	Docket Nos. 50-424-OLA-3
GEORGIA POWER COMPANY, <u>et al.</u>	:	50-425-OLA-3
	:	
	:	Re: License Amendment
(Vogtle Electric Generating Plant,	:	(Transfer to
Units 1 and 2)	:	Southern Nuclear)
	:	
	:	ASLBP NO. 93-671-OLA-3

AFFIDAVIT OF MICHAEL DWYER DUNCAN

I, Michael Dwyer Duncan, having been duly sworn, state as follows:

1. My name is Michael Dwyer Duncan. I testified in this License Amendment Proceeding on June 9, 1995, in Augusta, Georgia. At that time I testified that about April 9, 1990 an Alnor dewpoint test instrument (with a Vogtle Identification Number "VP-2466") became suspect and its accuracy called into question. I further testified that the vendor that calibrated it for Georgia Power determined that when they received it, it was not out of calibration -- it was in calibration. Tr. 8198-8200.

2. My testimony on June 9, 1995 concerning the Alnor test instrument was based upon my prior review of a calibration "History" sheet for VP-2466 maintained by Georgia Power and the form wording in an Alnor "Certificate of Traceability" dated May 15, 1991 that ". . . the above designated equipment was found to meet or exceed manufacturing specifications" A photocopy

of the History sheet and Certificate of Traceability are attached as Exhibit "A" to this Affidavit.

3. On June 9, 1995 my understanding was that "as found" data was obtained when VP-2466 was shipped to Alnor Instrument Company (a subvendor) for calibration, as required by Georgia Power Company's purchase order contract with General Electric (the vendor) for calibration services.

4. Recently I have been provided copies of documentation which show that VP-2466 (Serial No. 24355) did not have its "as found" condition determined by the vendor or subvendor. Therefore, the test instrument was not determined to be in calibration and my prior understanding and testimony on June 9th with respect to this test instrument being in calibration was inaccurate.

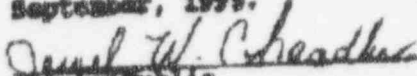
5. Specifically in early 1991 Alnor examined both VP-2466 and another Alnor dewpoint test instrument (VP-2721, Serial No. 24997) after they were shipped to Alnor Instrument Company for calibration and change of radioactive source from RA 226 to AM 241. Alnor determined that the appropriate service required for both test instruments was "repair/calibrate" and the instrument was repaired before calibration services were performed. Alnor Instrument Company, therefore, has no records of the condition of VP-2466 as received prior to the calibration of VP-2466 on May 15, 1991. Exhibit "B" to this Affidavit contains documentation which forms the basis for my conclusion that no "as found" data was taken.

5. The calibration history sheet for VP-2466 on which I based my testimony on June 9, 1995 is in error. The "non-accept" column should have been checked for the calibration interval 8-15-91 through 11-15-91 based on the absence of "as found" data for the instrument. Without "as found" data, the instrument cannot be considered in calibration as received by the vendor or the subvendor.

I hereby certify that the foregoing statements are true and correct to the best of my personal knowledge and belief.


Michael Dwyer, JENSEN

Sworn to and subscribed
before me this 19 day of
September, 1995.


James W. Cheadler
Notary Public

My commission expires:
Henry Public Service Company, Georgia
My Commission Expires October 24, 1998

HISTORY

I.D. NUMBER VP-2466

CALIBRATION INTERVAL 6 months

CAL PROCEDURE OFF Site

MANUFACTURER ALWOR

MODEL NO. 7200 J

SERIAL NO. 24355

Reviewed & Approved By I&C Supervisor James Aubrey Date 10-28-86

[illegible]

Exhibit A
page 2 of 2

ALNOR

Certificate of Traceability

EQUIPMENT LIST

PART NUMBER	MODEL NUMBER	TYPE	SERIAL NUMBER
658-001-002	7200U	DEWPOINTER Ra-226	24355

STANDARD USED:
EG&G DEWPOINT HYDROMETER
MODEL 66082 SERIAL #S2033R

ACCEPTANCE CRITERIA
FOR DEWPOINTER : +/- 5 DEG F

STD CAL DUE 01/07/92

ACCURACY RATIO IS 10:1

The Alnor Instrument Company hereby Certifies that the above designated equipment was found to meet or exceed manufacturing specifications. This equipment has been calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology (NIST, formerly NBS) within the limits of the bureau's calibration service. Our calibration system requirements meet or exceed the requirements of the following: MIL STD 45662A
MIL-I-45208A

"AFTER DATA"

NBS Test No. H-4293

Transfer Std. No. QA 619

FORM 115-060-060 REV 6

ALNOR INSTRUMENT COMPANY
7546 N. LINDER AVENUE
SKOKIE ILLINOIS 60077
(708) 677-3600
TELEFAX (708) 677-3630

Date Tested: 5/15/91

Tested By E. SZYMCHYK

Reviewed By R. Schmidt
MANAGER OF QUALITY ASSURANCE

Date 5/15/91

S.O.	<u>600585</u>
P.O.	<u>09A-15741-01</u> 13522

G.E. Co.'s End Customer P.Q. #6002171/REL46
G.E. Co.'s End Customers Control #VP-2466

Exhibit B
page 1 of 5
~~MEMO~~ Reviewed
W.S. 1-30-91
No.

Route Yellow Pro 056 47978 9

Account No. 8250-532-0212-5424

(Signed) Adrienne

CUSTOMER SERVICE ORDER

AFR NO. **600585**

Account Number 38613667

CUSTOMER INFORMATION

Billing

Company G.E. Computer Service

Address 1 ACCTS PAYABLE

Address 2 2912 PACIFIC DRIVE

City, Sta, Zip Norcross GA 30071

Customer Name FRANK SCOGGINS

Customer Order Number 09A 1571-0108-B522

Date Received SALLY BRYAN (G.E.)

Shipping

Company GEORGIA POWER CO

Address NUCLEAR OPERATIONS

Address 2 POST OFFICE BOX 30830

City, Sta, Zip WAYNESBORO GA 30830

Via UPS

Customer Phone Number 404-554-9461

Customer Fax Number 404-662-1344

Credit approved and Date 10/23/87

ALNOR

INSTRUMENT COMPANY

7555 N. LINDER AVENUE • SKOKIE, ILLINOIS 60077

PRODUCT INFORMATION

Please Circle or Check

QTY.	Part Number	R C W	Description	Amount
___	601000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	As Found Data	\$
___	603000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Panel Pyrometer	
___	605200000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Digital Panel Pyrometer	
___	607100000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1780, 2300 & 4200	
___	607110010	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1500/1845/2981/4000	
___	608117000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	AI-Temp	
___	614000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	N Series Instrument	
___	632100000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Model 360	
___	634010000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Velometer 6006P	
___	634040000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Velometer Accessory	
___	634090000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Velometer Set	
___	634110000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Velometer JR	
___	634210000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8500T/A	
___	634210100	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Model 9850	
___	634230000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	T/A Probe	
___	634431000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Model 265	
___	634493000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CompuFlow T/A Kit	

QTY.	Part Number	R C W	Description	Amount
___	634593000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Balometer Kit	\$
___	634593001	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Balometer JR Kit	
___	634613000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8530 Manometer Kit	
___	634613100	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	530 Micromanometer	
___	634693000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8520 Microprinter	
___	656000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Dewpointer Non-RA	
___	656000001	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Dewpointer - With RA	355
___	662000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Thermocouple	
___	666000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Portable Instr. Accessory	
___	667110000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Digicon Instrument	
___	670007000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Galvanometer	
___	670100000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Fume HD Monitor	
___	671005016	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Stylus	
___	672000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Micro 5300/8800	
___	675000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Unlisted Item	

Date Code and/or Serial No. _____

Repair Warranty _____ Calibrate _____ Cal-Trace with Data _____ Repair ☒ Rep-trace with data _____ Before _____
Return Less Repair _____ Scrap _____ No Charge _____ Other _____

COMMENTS * Test no required

SHIPPING INFORMATION

Date Shpd. _____

Packed By _____

Weight _____

No. of Contents _____

FRT Charges _____

C.O.D. Fee _____

Insurance _____

Total FRT _____

Account Number 3186113666

CUSTOMER SERVICE ORDER

AFR NO. 600585

CUSTOMER INFORMATION

Billing

Company G.E. Computer Service

Address 1 ACCTS PAYABLE

Address 2 2912 PACIFIC DRIVE

City, Sta, Zip Norcross GA 30071

Customer Name FRANK SENGINSI

Customer Order Number 09A 15 NI-0108-B522

Date Received SALLY, BRYAN (G.E.)

Shipping

Company GEORGIA POWER CO

Address 200 YEAR OPERATIONS

Address 200 OFFICE BLDG 30830

City, Sta, Zip WAYNESBORO GA 30830

Via KPS

Customer Phone Number 904-554-4461

Customer Fax Number 761-662-1341

Credit approved and Date 11/13/87

ALNOR

INSTRUMENT COMPANY

7555 N. LINDER AVENUE • SKOKIE, ILLINOIS 60077

PRODUCT INFORMATION

Please Circle or Check

QTY.	Part Number	R C W	Description	Amount
___	601000000	<input type="checkbox"/>	As Found Data	\$
___	603000000	<input type="checkbox"/>	Panel Pyrometer	
___	605200000	<input type="checkbox"/>	Digital Panel Pyrometer	
___	607100000	<input type="checkbox"/>	1780, 2300 & 4200	
___	607110010	<input type="checkbox"/>	1500/1645/2981/4000	
___	608117000	<input type="checkbox"/>	AI-Temp	
___	614000000	<input type="checkbox"/>	N Series Instrument	
___	632100000	<input type="checkbox"/>	Model 360	
___	634010000	<input type="checkbox"/>	Velometer 6006P	
___	634040000	<input type="checkbox"/>	Velometer Accessory	
___	634090000	<input type="checkbox"/>	Velometer Set	
___	634110000	<input type="checkbox"/>	Velometer JR	
___	634210000	<input type="checkbox"/>	8500T/A	
___	634210100	<input type="checkbox"/>	Model 9350	
___	634230000	<input type="checkbox"/>	T/A Probe	
___	634431000	<input type="checkbox"/>	Model 265	
___	634493000	<input type="checkbox"/>	CompuFlow T/A Kit	

QTY.	Part Number	R C W	Description	Amount
___	634593000	<input type="checkbox"/>	Barometer Kit	\$
___	634533001	<input type="checkbox"/>	Barometer JR Kit	
___	634813000	<input type="checkbox"/>	8530 Manometer Kit	
___	634813100	<input type="checkbox"/>	530 Micromanometer	
___	638493000	<input type="checkbox"/>	8520 Microprinter	
___	658000000	<input type="checkbox"/>	Dewpointer Non-RA	
___	658000001	<input checked="" type="checkbox"/>	Dewpointer - With RA	355
___	682000000	<input type="checkbox"/>	Thermocouple	
___	686000000	<input type="checkbox"/>	Portable Instz Accessory	
___	687110000	<input type="checkbox"/>	Digicon Instrument	
___	670007000	<input type="checkbox"/>	Galvanometer	
___	670100000	<input type="checkbox"/>	Fume HD Monitor	
___	671005016	<input type="checkbox"/>	Stylus	
___	672000000	<input type="checkbox"/>	Micro 5300/8800	
___	675000000	<input type="checkbox"/>	Unlisted Item	
___	675100000	<input type="checkbox"/>		

Date Code and/or Serial No. _____

Repair Warranty _____ Calibrate _____ Cal-Trace with Data _____ Repair _____ Rep-trace with data _____ Before _____
Return Less Repair _____ Scrap _____ No Charge _____ Other _____

COMMENTS * Test no required before and date ins test

SHIPPING INFORMATION

Date Shpd. _____
Packed By _____
Weight _____
No. of Contents _____

FRT. Charges _____
C.O.D. Fee _____
Insurance _____
Total FRT. _____

CUSTOMER SERVICE ORDER

AFR NO. **600585**

Account Number 28613666

CUSTOMER INFORMATION

Billing

Company G.E. Computer Service

Address 1 ACCTS PAYABLE

Address 2 2912 PACIFIC DRIVE

City, Sta, Zip ALBUQUERQUE, NM 87101

Customer Name FRANK S. GIGLIOTTI

Customer Order Number 09A-15 NI-0008-13522

Date Received SALLY, BRYAN (G.E.)

Shipping

Company GEORGIA POWER CO

Address 1 NUCLEAR OPERATIONS

Address 2 POST OFFICE BOX 30830

City, Sta, Zip MAVAD, SDORR GA 30830

Via UPS

Customer Phone Number 704-554-5461

Customer Fax Number 704-662-1344

Credit approved and Date 11/13/97

ALNOR

INSTRUMENT COMPANY

7555 N. LINDER AVENUE • SKOKIE, ILLINOIS 60077

PRODUCT INFORMATION

* Please Circle or Check

QTY.	Part Number	R C W	Description	Amount
___	601000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	As Found Data	\$
___	603000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Panel Pyrometer	
___	606200000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Digital Panel Pyrometer	
___	607100000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1760, 2300 & 4200	
___	607110010	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	1500/1845/2981/4000	
___	608117000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	AI-Temp	
___	614000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	N Series Instrument	
___	632100000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Model 360	
___	634010000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Velometer 6006P	
___	634040000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Velometer Accessory	
___	634090000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Velometer Set	
___	634110000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Velometer JR	
___	634210000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8500T/A	
___	634210100	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Model 9850	
___	634230000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	T/A Probe	
___	634431000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Model 265	
___	634493000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	CompuFlow T/A Kit	

QTY.	Part Number	R C W	Description	Amount
___	634593000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Balometer Kit	\$
___	634593001	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Balometer JR Kit	
___	634613000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8530 Manometer Kit	
___	634613100	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	630 Micromanometer	
___	634633000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8520 Microprinter	
___	656000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Dewpointer Non-RA	
___	656000001	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Dewpointer With RA	365
___	662000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Thermocouple	
___	666000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Portable Instr. Accessory	
___	667110000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Digicon Instrument	
___	670007000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Galvanometer	
___	670100000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Fume HD Monitor	
___	671005016	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Stylus	
___	672000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Micro 5300/8800	
___	675000000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Unlisted Item	
___	675100000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		

Date Code and/or Serial No. _____

Repair Warranty _____ Calibrate _____ Cal-Trace with Date _____ Repair ☒ Rep-Trace with date _____ Before []
Return Less Repair _____ Scrap _____ No Charge _____ Other _____

COMMENTS * Test no required before date as per

SHIPPING INFORMATION

Date Shpd. _____

Packed By _____

Weight _____

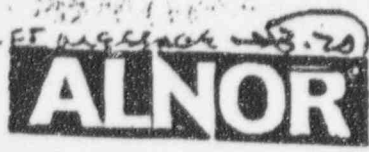
No. of Contents _____

FRT Charges _____

C.O.D. Fee _____

Insurance _____

Total FRT _____



ATTN: Sally Bryan

DATE: 2/12/91

BILL TO:

Mr. J. J. Paine
Lucasville, Ohio 43040
P.O. Box 20830
Lucasville, OH 43040

SHIP TO:

RE: PLATE

Re: Your Purchase Order # _____

Our AFR # 1200585

Material Received 2 pcs 7200W S/N'S 24355 + 24997

Dear Customer:

We have examined your instrument and list the appropriate service required to return your instrument to proper working condition:

1. Calibration with factory certificate
2. Calibration with certificate traceable to NIST with data:
3. Repair/calibration with factory certificate
4. Repair/calibration with certificate traceable to NIST with data

\$ _____

\$ _____

\$ 610.00

\$ 850.00

"As found" data, if required, is _____ additional.

These charges do not include tax. Applicable tax will be added unless you indicate exemption/resale # _____

Comments: S/N 24355 235.00 } 610.00
24997 375.00 }
total would be 120.00

We require authorization to proceed further. Please forward or FAX your signed Purchase Order as soon as possible along with this communication.

AUTHORIZATION (To be completed by material owner/user.)

This will authorize Alnor to:

- ☐ Proceed with calibration service as in 1 or 2. (circle one)
- ☒ Proceed with repair/calibration service as in 3 or 4. (circle one)
- ☐ Do not repair/calibrate. Return material.
- ☐ Scrap at factory.

P.O.# 09A-15741-0108

09A-15741-0208

Sally R. Bryan
Signature

Buyer
Title

3/19/91
Date

Alnor's terms of payment are Net 30 days. Freight will be prepaid and added to the invoice.

Sincerely,

Eileen J. Owens
ALNOR INSTRUMENT COMPANY

ALNORDATE: 5/3/91 FAX # 404-662-1337MEMO/FAX TO: Sally BryantCOMPANY NAME: G EFROM: Eileen L. OwensSUBJECT: Newpointer repair

TOTAL NUMBER OF PAGES: _____ INCLUDING COVER SHEET

COMMENTS: model 7200u S/N 24355Sent on our AFR # 600585will ship on 5/10/91Sorry for the delay of my
responseEileen L. Owens



FAX COVER MEMO

DATE: 08/29/95 FAX # (404) 331-5789
MEMO/FAX TO: Pierce Skinner
COMPANY NAME: NRC - Atlanta
FROM: Bob Wade
TOTAL NUMBER OF PAGES: 1 INCLUDING COVER SHEET

ALNOR INSTRUMENT COMPANY
7555 N. Linder Avenue
Skokie, IL 60077

Telephone No: (708) 677-3500

Fax Nos: (708) 677-3539
(708) 677-8692

☒ GENERAL OFFICE
☐ PURCHASING

Message: Ref: Alnor Downpointer S/N 24355

There are no records of the condition
of reference instrument ~~which~~ as
received prior to calibration in May, 1991.
This instrument was returned in June, 1991,
for replacement of Radium source with
Americium source, on our AFR 601059.

Our records also show instruments
S/N 24997 and 24998 were
calibrated in April, 1990, and again in
August, 1991, for Georgia Power.

Please let me know if any other information
is desired.

CE Customer Service