

January 22, 1986

release

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of

CAROLINA POWER AND LIGHT COMPANY AND  
NORTH CAROLINA EASTERN MUNICIPAL  
POWER AGENCY

(Shearon Harris Nuclear Power Plant,  
Units 1 and 2)

Docket Nos. 50-400 OL  
50-401 OL

RESPONSE TO LICENSING BOARD ORDER  
OF JANUARY 10, 1986  
REGARDING LETTER OF PATTY MIRIELLO

The Licensing Board Chairman received a letter dated January 1, 1986 from Patty Miriello, who was a witness for CCNC. The Licensing Board served that letter on Applicants, Staff, and CCNC, and stated that any objections to the Licensing Board having that letter placed in the Public Document Room must be received by the Licensing Board Board prior to January 24, 1986.

We are informed by the Office of Investigation that some matters in the Miriello letter are the subject of open investigations and in the view of the Director, OI Field Office, Region II public disclosure of the contents could compromise the investigations. Therefore, the Staff requests that the Licensing Board not place the Miriello letter dated January 1, 1986 in the Commission's Public Document Room.

Respectfully submitted,

8710290280 871026  
PDR FOIA  
EPTING86-596 PDR

Charles A. Barth

Charles A. Barth  
Counsel for NRC Staff

release

Atomic Safety and Licensing Appeal  
Board Panel\*  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Robert P. Gruber  
Executive Director  
Public Staff - NCUC  
P.O. Box 991  
Raleigh, NC 27602

Wells Eddleman  
806 Parker Street  
Durham, NC 27701

Richard E. Jones, Esq.  
Associate General Counsel  
Carolina Power & Light Company  
P.O. Box 1551  
Raleigh, NC 27602

H.A. Cole, Jr., Esq.  
Special Deputy Attorney General  
Antitrust Division  
Office of Attorney General  
200 New Bern Avenue  
Raleigh, NC 27601

Bradley W. Jones, Esq.  
Regional Counsel, USNRC, Region II  
101 Marietta St., N.W. Suite 2900  
Atlanta, GA 30323

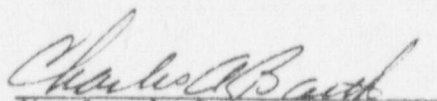
Thomas A. Baxter, Esq.  
John H. O'Neill, Jr., Esq.  
Shaw, Pittman, Potts & Trowbridge  
1800 M Street, N.W.  
Washington, DC 20036

Atomic Safety and Licensing Board\*  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dr. Harry Foreman, Alternate  
Administrative Judge  
P.O. Box 395 Mayo  
University of Minnesota  
Minneapolis, MN 55455

Ben B. Hayes  
Office of Investigation  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

James Y. Vorse  
Office of Investigation  
USNRC, Region II  
101 Marietta St., N.W. Suite 2900  
Atlanta, GA 30323

  
Charles A. Barth  
Counsel for NRC Staff



CAROLINA POWER & LIGHT COMPANY  
RADIOLOGICAL INFORMATION MANAGEMENT SYSTEM  
TLD ISSUE SHEET

RC USE ONLY

INSTRUCTIONS:

PLEASE PRINT CLEARLY

CP&L EMPLOYEES: IF YOU HAVE EVER HAD A TLD BADGE AT ANY CP&L FACILITY, FILL IN FACILITY, TODAY'S DATE, LAST NAME, AND SOCIAL SECURITY NUMBER ONLY. OTHERWISE, COMPLETE ENTIRE FORM THROUGH SIGNATURE LINE.

NON-CP&L EMPLOYEES: COMPLETE ENTIRE FORM THROUGH SIGNATURE LINE.

FACILITY (CHECK ONE):

☐ BRUNSWICK

☐ ROBINSON

☒ HARRIS

☐ HEEC

TODAY'S DATE

06/13/85

[REDACTED]

LAST NAME

M I F I E I L C

FIRST NAME

P H T T Y

MIDDLE NAME

S W I C O R N

[REDACTED]

BIRTHDATE

SEX

EMPLOYMENT DATE

EMPLOYER

(M or F)

YEAR

MONTH

DAY

E

85

02

25

CP&L

YOUR ESTIMATED WHOLE BODY DOSE  
RECEIVED AT NON-CP&L FACILITIES IS:

THIS CALENDAR QUARTER

0 MREM

THIS CALENDAR YEAR

0 MREM

HAVE YOU EVER HAD A TLD BADGE AT CP&L?

YES ☐ NO ☒

SUPERVISOR AT  
THIS FACILITY

J. ELWELL

CLASSIFICATION OR TRADE: HL TECH

THE INFORMATION PROVIDED ABOVE IS TRUE TO THE BEST OF MY KNOWLEDGE.

YOUR SIGNATURE:

Patty Smith

DATE: 6-13-85

REVIEWED BY:

Arthur M. Just

DATE: 6-13-85

I/3

TO BE COMPLETED BY RC PERSONNEL (Where Applicable)

SECURITY  
BADGE

H H 0 0 0 9

CURRENT  
TLD NO.

0 1 0 9 7 5

ALTERNATE  
TLD

NRIC FORM 4 DATE

YR 85 MO 05 DA 26

NON-CP&L DOSE (MREM)

YR 01 MO 01 DAY 01

EMPLOYER LIMIT (MREM)

YR 01 MO 01 DAY 01

SET TRAINING

YR 85 MO 05

MEDICAL

YR 85 MO 05

RESPIRATOR

YR 85 MO 05

AIR PUR.

YR 85 MO 05

SCOTT

YR 85 MO 05

SCOTT 4.5

YR 85 MO 05

LENSES NEEDED

YES ☒ NO ☐

Information in this record was deleted  
in accordance with the Freedom of Information  
Act exemptions 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16  
FOIA 85-396 4/86/293  
BUBBLE

Caroline Power & Light Company  
Radiological Information Management System  
Data Change Request Form

Location: B E R S (Circle one)

I. Social Security Number Changes:

Year	Name	Old SSN	New SSN

II. Special Edit Corrections:

SSN: [REDACTED] Security badge: RHH 0019

Last name: Mariello First: Pat MI: 5

Dates (if period record) 85/08/30 to 85/09/03

Reason for change: Individual terminated on 8/30/85,  
but did not come on site that date.

List the data as it currently exists: Period 85/08/30 to  
85/09/03

List the data as it should appear: Delete above period

Change Sequence: B6

III. Request submitted by: John O'Halloran Date: 9/5/85

Telecon request received by:   Date:  

Request reviewed by: SW Crokin Date: 9/5/85  
Sr. Specialist - Dosimetry, NEAEC

Change sequence/record  
deletion approved by: Project Specialist - Dosimetry, NEAEC Date:  

Record changed by: E B Noorda Date: 9/15/85

Change verified by: Patty May Date: 9/16/85

White: To NEAEC with request, then to individual's folder at NEAEC.  
Yellow: Retained by plant until change is made.  
Pink: To NEAEC with request, then to plant after change is made.



EXPOSURE RECORD FILE CHECKLIST

		<u>AUDITED BY</u>	<u>DATE</u>
1. TLD Issue Form	(✓)	<u>Amo</u>	<u>6/19/85</u>
2. NRC Form 4	(✓)	<u>Amo</u>	<u>6/19/85</u>
3. NRC Form 4 Supporting Documentation	(✓)	<u>Amo</u>	<u>6/19/85</u>
4. Prenatal Form (Female Only)	( )	_____	_____
5. S/G Worker Training Documentation	( )	_____	_____
6. Dose Record Form	( )	_____	_____
7. Personnel Contamination Event Form	( )	_____	_____
8. Radiation Exposure History Request	( )	_____	_____
9. Termination Report	( )	_____	_____
10. Exposure Record Form	( )	_____	_____
11. Exposure Extension Authorization	( )	_____	_____
12. Exposure Investigation Form	( )	_____	_____
13. Dosimetry Evaluation Form	( )	_____	_____
14. Miscellaneous:			

MIRELL

# HARRIS TRAINING UNIT

## TRAINING COMPLETION REPORT

COURSE TITLE: RESPIRATORY WEARER TRAINING

DATE COMPLETED: 3-11-83

STUDENT NAME: PATTY E MIRIELLO

COMPANY/JOB TITLE/

SECTION: CP8 L HP TECHNICIAN

SUPERVISOR: J. O'FLOLAN

EXAM RESULTS: Passed



**GPU Nuclear**

DATE 04/03/85

GENTILEME

ACCORDING TO THREE MILE ISLAND NUCLEAR STATION, RADIATION RECORDS FOR  
 VIFIELLO PATTY S (SOCIAL SECURITY NUMBER [REDACTED])  
 ARE DISPLAYED IN REMS AS FOLLOWS

PERIOD OF EXPOSURE	PENETRATING WHOLE BODY (REM)	SKIN EXPOSURE (REM)	EXTREMITY EXPOSURE (REM)
CURRENT EMPLOYMENT PERIOD 07/15/83 TO 08/19/83	.000	.000	.000
TOTAL	.000	.000	.000

SKIN EXPOSURE IS PRESENTED AS TOTAL INCLUDING PENETRATING RADIATION

INTERNAL RADIOLOGICAL ASSESSMENTS

---WHOLE BODY---

---INDIRECT BIOASSAY---

TEST DATE	ISOTOPE TYPES	QUANTITY (MCI)	SAMPLE TYPE	SAMPLE DATE	ISOTOPE TYPE	QUANTITY	UNIT OF MEAS
07/15/83	K40	[REDACTED]					
08/19/83	K40						

HIS REPORT IS FURNISHED TO YOU UNDER THE PROVISIONS OF THE NUCLEAR  
 REGULATORY COMMISSION REGULATION 10 CFR PART 19. YOU SHOULD PRESERVE  
 THIS REPORT FOR FURTHER REFERENCE.  
 ANY QUESTIONS OF THE ABOVE REPORT SHOULD BE ADDRESSED  
 TO THE TMI SUPERVISOR OF LICENSING.

-----  
 DOSIMETRY SUPERVISOR

THE PENNSYLVANIA STATE UNIVERSITY  
University Park, Pennsylvania 16802  
17 Mar 83

Health Physics Office  
225 Academic Projects Building

Area Code 814  
865-3459

Report of Radiation Exposure  
at  
The Pennsylvania State University

Name MIRIELLO, Patty S. Social Security No. [REDACTED]  
Dose equivalent in rems\* [REDACTED] Monitoring Method [REDACTED]

Exposure Period	Location		
11 Dec 80 - 2 Mar 81	Breazeale	Whole Body	film badge
1 Oct 81 - 1 Dec 81	Nuclear		
13 Sep 82 - 24 Nov 82	Reactor &	Hands & Forearms	wrist badge
6 Dec 82 - 24 Feb 83	Materials Research lab	Skin	

\*Any report less than the sensitivity of the monitoring method is reported as zero.  
This value is not in excess of 10% of the permissible dose equivalent.

Bioassay none

Comments \_\_\_\_\_

This report is furnished to you under the provisions of the Nuclear Regulatory Commission Regulations regulation 10CFR Part 19 and/or the provisions of the Pennsylvania Department of Environmental Resources regulation 25 Pa. Code, Chapter 227 (relating to radiation exposure). You should preserve this report for further reference.

*Rodger W. Granlund*  
Rodger W. Granlund  
University Health Physicist



# Respiratory Fit Test Form

Social Security Number [REDACTED] Date 3/11/85

Fit Test Date/Time 3-11-85/ 1435

Bio Pak N/A

Respiration pr  
Glasses

RC Foreman F Rick

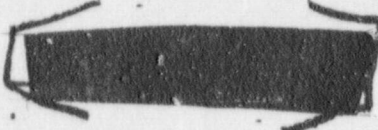
Attachment 4

QUANTITATIVE FIT TEST CALCULATIONS FORM

Calculated Fit Factor

Name Patty Miriello

Scott Small

Social Security Number 

Date 3-11-85

ZB<sub>1</sub> 2

ZB<sub>f</sub> 3

Ca<sub>1</sub> 93

Ca<sub>f</sub> 90

Ca<sub>AVE</sub> 91.5

ZB<sub>AVE</sub> 2.5

BZ<sub>AVE</sub> 2.9

BZ<sub>CORR</sub> 0.004

FF<sub>test</sub> 22875

$$FF_{test} = \frac{Ca_{AVE}}{BZ_{CORR}}$$

$$Ca_{AVE} = \frac{Ca_1 + Ca_f}{2}$$

$$ZB_{AVE} = \frac{ZB_1 + ZB_f}{2}$$

$$BZ_{CORR} = SENSITIVITY \times (BZ_{AVE} - ZB_{AVE})$$

RC Technician Pellucio C Crumbrough

RC Foreman F. Rick



Attachment 4

QUANTITATIVE FIT TEST CALCULATIONS FORM

Calculated Fit Factor

Name Patty Miriello

MSA Small

Social Security Number [REDACTED]

Date 3-11-85

ZB<sub>1</sub> 2

ZB<sub>f</sub> 2

$$Ca_{AVE} = \frac{Ca_1 + Ca_f}{2}$$

Ca<sub>1</sub> 93.5

Ca<sub>f</sub> 81

Ca<sub>AVE</sub> 87.3

$$ZB_{AVE} = \frac{ZB_1 + ZB_f}{2}$$

ZB<sub>AVE</sub> 2

BZ<sub>AVE</sub> 3.9

$$BZ_{CORR} = \text{SENSITIVITY} \times (BZ_{AVE} - ZB_{AVE})$$

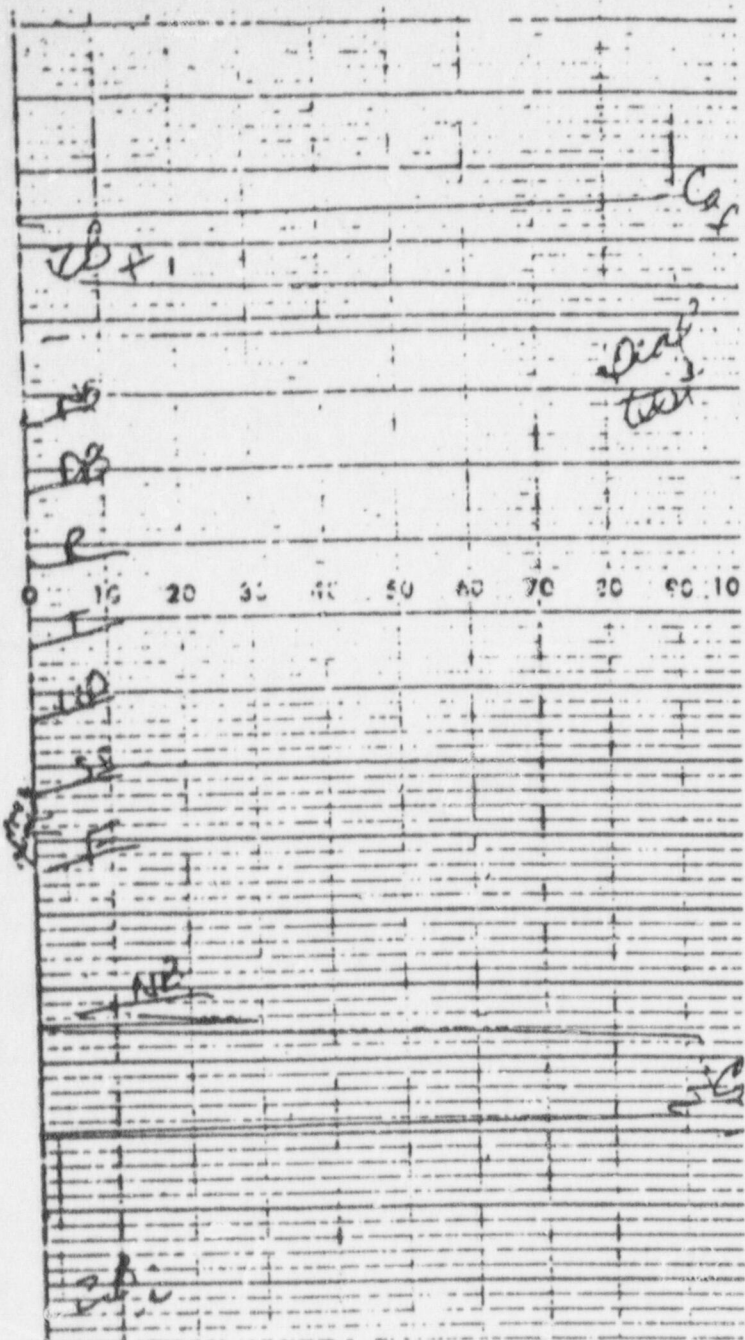
BZ<sub>CORR</sub> 0.019

FF<sub>test</sub> 459.5

$$FF_{test} = \frac{Ca_{AVE}}{BZ_{CORR}}$$

RC Technician P. Miriello / C. Crumbrugh

RC Foreman F. Rick



FF 22875

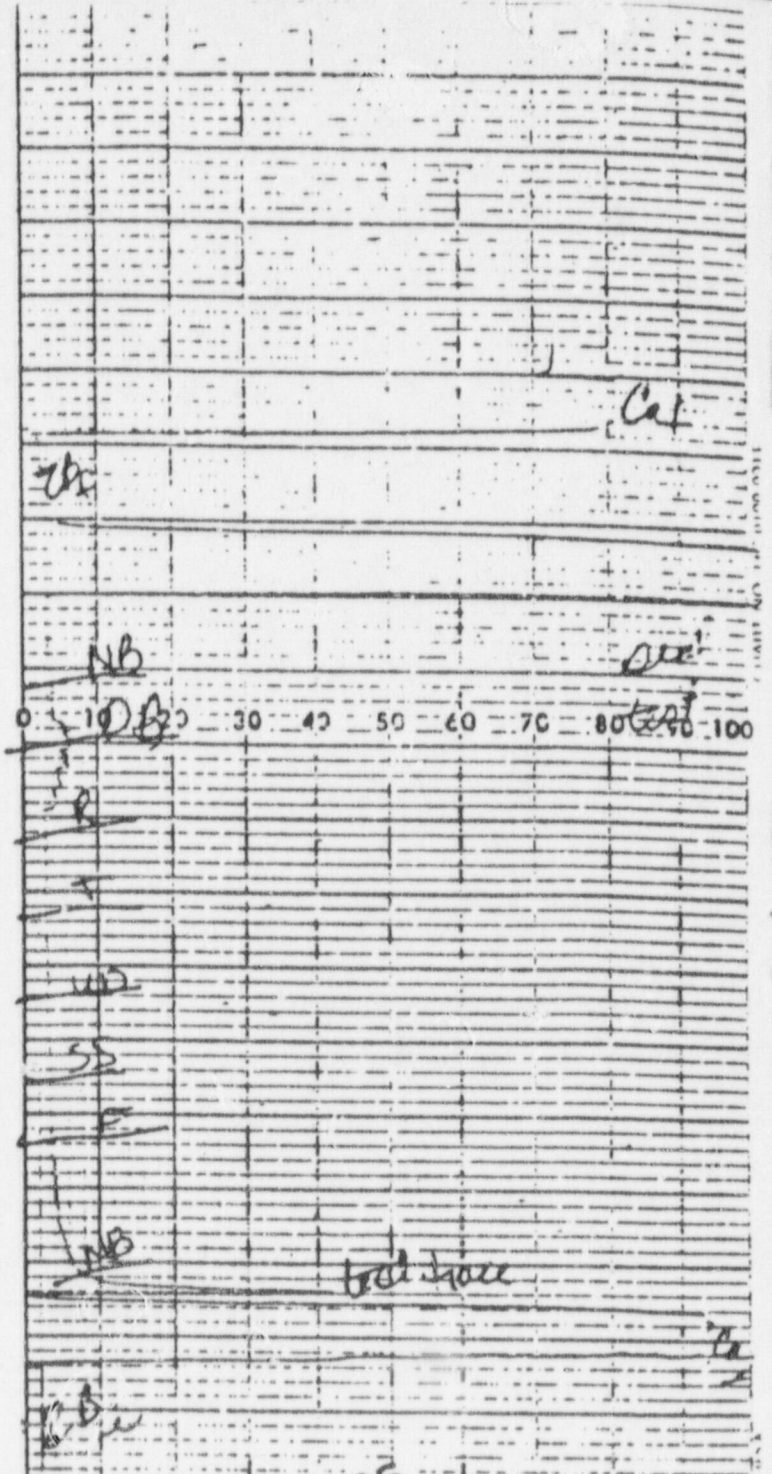
Miruello

DB

3-11

Scott

Small



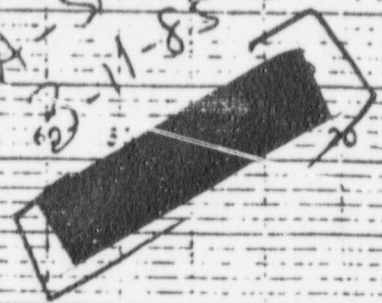
FF 4595

Miruello

DB

Small

3-11-85





LOGGED



26

PERSONNEL EXPOSURE INVESTIGATION

I. PERSONNEL DATA

NAME MRIELLO PATTY  
LAST FIRST MI

SEC. BADGE R2058 EMPLOYER CP&L

EXP. PERIOD 85-08-05 TO 85-08-08



II. DESCRIPTION OF OCCURRENCE

DEVICE: TLD ☒ SRPD ☒ REASON: LOST ☒ DAMAGED ☒ HIGH OR ABNORMAL READING ☒ OFFSCALE ☒

TLD OR SRPD SERIAL NO. 51479 DATE/TIME OF OCCURRENCE 8/9/85 08:30

IF INDIVIDUAL WAS WORKING UNDER AN RWP, GIVE RWP NO. 850011

CALCULATED DOSE: (WORK AREA DOSE RATE) X (TIME IN AREA) =            MRH/HR X            =            MRH

REMARKS: Ind. may have dropped

III. ASSIGNED DOSIMETRY RESULTS  
FOR ASSIGNED TLD OR SRPD DEVICES,  
SHOW DOSE INFORMATION:

IV. OTHER PERSONNEL (As Applicable)  
FOR OTHERS WORKING IN SAME AREA, SHOW DOSE INFORMATION:

NAME JOHN REISER SEC. BADGE RM 023

	TLD #	SRPD #	TLD	DOSE (MRH)	SRPD	SRPD**
C						
H						
S						
B						
U/L						
U/R						
L/L						
L/R						
U/L						
U/R						
L/L						
L/R						

	TLD	SRPD	DOSE (MRH)
C			
H			
S			
B			
U/L			
U/R			
L/L			
L/R			
U/L			
U/R			
L/L			
L/R			

- V. DOSIMETRY DEVICES
- TLD REMOVED FROM SERVICE ☒
  - NEW TLD ASSIGNED ☒
  - TLD TO BE TESTED ☒
  - SRPD REMOVED FROM SERVICE ☒
  - SRPD TO BE TESTED ☒

YES NO  
☒ ☒  
☒ ☒  
☒ ☒  
☒ ☒

IF YES, SERIAL NO.: 009633

VI. FINAL ACTION

- ☒ NO DOSE ASSIGNMENT. NORMAL TLD READINGS ACCEPTED  
☒ DOSE ASSIGNED BASED ON THIS INVESTIGATION AND ENTERED IN RIMS:  
 WHOLE BODY GAMMA/BETA            MRH  
 WHOLE BODY NEUTRON            MRH  
 SKIN            MRH

UPPER EXTREMITIES            MRH  
 LOWER EXTREMITIES            MRH

BASIS: CALCULATED ☒ SRPD ☒ TLD ☒ CO-WORKER ☒ OTHER ☒

DISCUSSION: TLD reading comparable to            total.

INDIVIDUAL'S SIGNATURE: Patty S. Mirella DATE: 8-9-85

INVESTIGATED BY: Alice Thompson DATE: 8-9-85 APPROVED BY:            DATE: 8/11/85  
RC FOREMAN

REVIEWED BY:            DATE: 8/16/85 REVIEWED BY: SW Cochran DATE: 8/26/85  
RC SUPERVISOR R&S DOSIMETRY

## 12.5.2.1.7.4 Personnel Dosimetry

The personnel dosimetry program is described in Section 12.5.3.6. Self-reading dosimeters of five different ranges for use at SHNPP are as follows:

Range (mR)	Normal Use	Number Available
0-200	Low Dose Accumulating Work	800
0-500	Intermediate Dose Accumulating Work	200
0-1,000	High Dose Accumulating Work	100
0-5,000	Radiation Emergency Plan Use	50
0-100,000	Radiation Emergency Plan Use	40

A total of eight dosimeter chargers are available for use. Self-reading dosimeters are also available at the radiation protection office. Self-reading dosimeters will be tested for leakage, calibration response, and drift prior to initial use and at six month intervals thereafter.

11

Approximately <sup>2,000</sup>~~1,500~~ thermoluminescent dosimeters (TLD) are available for use as the dosimetry of record. TLDs will be used for beta and gamma exposure. Approximately 50 extremity TLD devices are available for issue when required by radiation control personnel.

~~If applicable;~~ a TLD reader is installed and calibrated in accordance with vendor's instructions. Operation is conducted by qualified individuals in accordance with approved plant procedures. A performance testing program will be implemented to assure the TLD reader is properly calibrated and exposure information is accurate.

Internally deposited radioactive material is evaluated with a whole body counter sufficiently sensitive to detect in the thyroid, lungs, or whole body a fraction of the permissible body/organ burden for gamma emitting radionuclides of interest. The whole body counter is calibrated using phantoms and standard solutions of various radionuclides such as Co-60, Cs-137, and Ba-133. The detectors are used in conjunction with a multi-channel analyzer and associated readout to obtain a permanent record. A mobile whole body counting system on or off-site may be used as an alternative or supplement to a SHNPP whole body counter.

11

11

Twenty battery powered personnel alarm dosimeters are available for use when an audio alarm at a preset accumulated exposure or exposure rate may be advantageous. Personnel alarm dosimeters will be checked for accuracy on an annual basis and following any repair affecting calibration.

## 12.5.2.1.7.5 Miscellaneous Equipment

The following miscellaneous radiation protection equipment is stored at various locations in the plant:

11

Contamination control supplies may include glove bags, contaminant tents, absorbent wipers, absorbent paper, rags, step-off pads, rope, plastic sheets, plastic bags, tape, contamination area signs, and protective clothing. Appropriate supplies may be assembled into kits and located throughout the plant to aid in the control of a contaminated spill.



[ ] H.B. Robinson Plant  
P.O. Box 790  
Hartsville, South Carolina 29550

[ ] Brunswick Nuclear Plant  
P.O. Box 10429  
Southport, North Carolina 28461

DOSIMETRY

[X] Shearon Harris Nuclear Power Plant  
Route 1, Box 294165 ZONE 3  
New Hill, North Carolina 27562

[ ] Harris Energy & Environmental Center  
Route 1, Box 327  
New Hill, North Carolina 27562

TO: NUCLEAR ENGINEERING DEPT. Date: 4-3-85  
NORTH CAROLINA STATE UNIV.  
BOX 7907  
RALEIGH, N.C. 27695-7909

SUBJECT: Radiation Exposure History Request

Gentlemen:

CP&L is in the process of compiling the radiation exposure history of the below named individual.

Please provide a summary of your exposure records on this individual, including bioassay or whole body count results for the period of service shown below. Please report dose for the current year by quarters and show the monitoring method for each period of exposure. Please return the records to the attention of the Dosimetry Records Office at the address indicated above.

MIRIELLO FATTY S  
Last Name First Middle  
[REDACTED]  
SSN

9-83 TO 10-83  
Dates of Service  
[REDACTED]

N/A  
Military Serial Number

NUCLEAR ENGINEERING GRADUATE  
Last Duty Station STUDENT

Period of Exposure	Method of Monitoring			(Exposure (REM))			
	TLD	PD	CALC	Whole Body	Skin	Upper Extremities	Lower Extremities

Note: NM = not monitored  
PD = pocket dosimeter  
CALC = dose calculated  
TLD = thermoluminescent dosimeter

Signature/Title \_\_\_\_\_ Date: \_\_\_\_\_

Authorization is hereby granted to give Carolina Power & Light Company any and all information, including related data, which you may have regarding my occupational exposure history.

Fatty S Miriello 4-3-85  
Signature Date

Information in this record was deleted  
in accordance with the Freedom of Information  
Act, exemptions 6

FOIA 86-596 + 86-793 portion, 6

Reviewed 4-18-85  
Reviewed 4-18-85 I/2



Carolina Power & Light Company

April 24, 1985

D.W. Morgan, Radiation Protection Officer  
North Carolina State University  
Box 7108  
Raleigh, N.C. 27659-7108

Sir:

Enclosed is a copy of your last response to me which stated that I had not been badged while at NCSU. I had participated in a graduate level nuclear engineering laboratory and I had both a temporary badge and then received a permanent badge. For over 30 days I kept track of a badge either temporary or permanent. In the laboratory I had been near neutron sources in order to perform counting experiments. Therefore I had been badged in order to participate in the laboratory. Please check your records again. Also if possible provide an estimate of my dose if an actual record can't be found. I should have received a dose which is similar to what the other students participating in the laboratory received. This would certainly be appreciated, since I must list all occupational exposures on the NRC form 4. To the best of my knowledge I had been badged since I physically wore the badge in areas requiring dosimetry while at NCSU.

Sincerely,

*Patty S Miriello*



[ ] H.B. Robinson Plant  
P.O. Box 790  
Hartsville, South Carolina 29550

[ ] Brunswick Nuclear Plant  
P.O. Box 10429  
Southport, North Carolina 28461

*DOSIMETRY*

☒ Shearon Harris Nuclear Power Plant  
Route 1, Box ~~298~~ 165, ZONE 3  
New Hill, North Carolina 27562

[ ] Harris Energy & Environmental Center  
Route 1, Box 327  
New Hill, North Carolina 27562

TO: D.W. MORGAN, RAD. PROTECTION Date: 4-24-85  
NORTH CAROLINA STATE UNIVERSITY  
BOX 7108  
RALEIGH, N.C. 27659-7108

SUBJECT: Radiation Exposure History Request

Gentlemen:

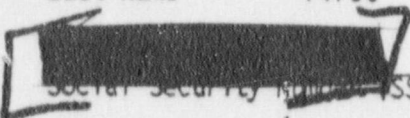
CP&L is in the process of compiling the radiation exposure history of the below named individual.

Please provide a summary of your exposure records on this individual, including bioassay or whole body count results for the period of service shown below. Please report dose for the current year by quarters and show the monitoring method for each period of exposure. Please return the records to the attention of the Dosimetry Records Office at the address indicated above.

MIRIELLO PATTY SHICORA  
Last Name First Middle

9-1-83 TO 10-83

Dates of Service

  
Social Security Number (SSN)

  
Date of Birth

N/A  
Military Serial Number

GRADUATE STUDENT NCSU Nuclear Engineering  
Last Duty Station

Period of Exposure	Method of Monitoring			(Exposure (REM))			
	TLD	PD	CALC	Whole Body	Skin	Upper Extremities	Lower Extremities

Note: NM = not monitored  
PD = pocket dosimeter

CALC = dose calculated  
TLD = thermoluminescent dosimeter

Date: \_\_\_\_\_

Signature/Title \_\_\_\_\_

Authorization is hereby granted to give Carolina Power & Light Company any and all information, including related data, which you may have regarding my occupational exposure history.

Patty S Miriello

Signature

4-24-85

Date

13 May 1985

Shearon Harris Nuclear Power Plant  
Carolina Power & Light Co.  
Dosimetry Records  
Route 1, Box 165, Zone 3  
New Hill, NC 27562

Following Ms. Patty S. Miriello's phone call this date and an extensive search of the personnel monitoring dosimetry reports, we are hereby furnishing the following radiation exposure history for Ms. Miriello, S.S. No. [REDACTED]

09/12/83 - 10/26/83

10/26/83 - 12/01/83

Total [REDACTED]

Douglas B. Beasey, Associate  
Radiation Protection Officer

cc: Ms. Miriello



release

NRC FORM 306 (8-82)		U.S. NUCLEAR REGULATORY COMMISSION								
INVESTIGATION STATUS RECORD										
<b>INSTRUCTIONS:</b> This form is to be completed whenever significant activity has occurred relative to a case or at least every 30 days. If no change has occurred during the 30 day reporting period, indicate "No Change" in the status block. Keep the original with the case file and send one copy to Headquarters, Office of Investigations.										
<b>C. NUMBER</b> RII-86-A-0067 Q2-86-017		<b>CATEGORY</b> <table border="1"><tr><td><input type="checkbox"/> O - OPERATING REACTOR</td><td><input type="checkbox"/> I - INDIVIDUAL LICENSEE</td></tr><tr><td><input checked="" type="checkbox"/> C - REACTOR UNDER CONSTRUCTION</td><td><input type="checkbox"/> M - MATERIALS/FUEL</td></tr><tr><td><input type="checkbox"/> V - VENDOR</td><td><input type="checkbox"/> X - OTHER</td></tr></table>	<input type="checkbox"/> O - OPERATING REACTOR	<input type="checkbox"/> I - INDIVIDUAL LICENSEE	<input checked="" type="checkbox"/> C - REACTOR UNDER CONSTRUCTION	<input type="checkbox"/> M - MATERIALS/FUEL	<input type="checkbox"/> V - VENDOR	<input type="checkbox"/> X - OTHER	<b>OFFICE</b> OI:RII Field Office	
<input type="checkbox"/> O - OPERATING REACTOR	<input type="checkbox"/> I - INDIVIDUAL LICENSEE									
<input checked="" type="checkbox"/> C - REACTOR UNDER CONSTRUCTION	<input type="checkbox"/> M - MATERIALS/FUEL									
<input type="checkbox"/> V - VENDOR	<input type="checkbox"/> X - OTHER									
<b>ASSIGNED TO</b> Robinson		<b>SUBJECT</b> Shearon Harris: Alleged Falsification of Radiation Exposure Reports and Alleged Discrimination								
<b>STATUS</b> (Specify date, and provide a brief description)										
5/23/86: Inquiry opened per RII Request No. RII-86-011. Allegor states that CP&L is falsifying the NRC Form 4's of current Shearon Harris employees who had exposure histories while working at Brunswick and Robinson. Allegor cites intimidation by CP&L by threats of termination if allegor talked about problems within "earshot" of NRC inspectors. Allegor also alleges pressure by CP&L on North Carolina State University by threatening to terminate grant money if NCSU enrolled allegor in graduate school. ECD (Field Work) 6/27/86										
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10/03/86      No Change										
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12/04/86      ECD 12/15/86      No other changes										
01/05/87      Case Closed. Final report issued on 12/12/86.										

I/1

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NUMBER	CATEGORY		OFFICE
RII-86-A-0067	<input type="checkbox"/> O OPERATING REACTOR	<input type="checkbox"/> I INDIVIDUAL LICENSEE	OI:RII Field Office
Q2-86-017	<input checked="" type="checkbox"/> C REACTOR UNDER CONSTRUCTION	<input type="checkbox"/> M MATERIALS/FUEL	
	<input type="checkbox"/> V VENDOR	<input type="checkbox"/> X OTHER	
ASSIGNED TO Robinson		SUBJECT Shearon Harris: Alleged Falsification of Radiation Exposure Reports and Alleged Discrimination	

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11/05/86 No Change. ECD 11/86

12/04/86 ECD 12/15/86 No other changes



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	<input type="checkbox"/> O : OPERATING REACTOR	<input type="checkbox"/> I : INDIVIDUAL LICENSEE	
	<input checked="" type="checkbox"/> C : REACTOR UNDER CONSTRUCTION	<input type="checkbox"/> M : MATERIALS/FUEL	
	<input type="checkbox"/> V : VENDOR	<input type="checkbox"/> X : OTHER	
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ASSIGNED TO Robinson SUBJECT Shearon Harris: Alleged Falsification of Radiation Exposure Reports and Alleged Discrimination

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ASSIGNED TO	SUBJECT			
Robinson	Shearon Harris: Alleged Falsification of Radiation Exposure Reports and Alleged Discrimination			

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ASSIGNED TO Robinson	SUBJECT Shearon Harris: Alleged Falsification of Radiation Exposure Reports and Alleged Discrimination
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release

NRC FORM 308 (8-82)		U.S. NUCLEAR REGULATORY COMMISSION	
INVESTIGATION STATUS RECORD			
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RII-86-A-0067	<table border="1"><tr><td data-bbox="391 325 704 363"><input type="checkbox"/> D - OPERATING REACTOR</td><td data-bbox="704 325 1016 363"><input type="checkbox"/> I - INDIVIDUAL LICENSEE</td></tr><tr><td data-bbox="391 363 704 402"><input checked="" type="checkbox"/> C - REACTOR UNDER CONSTRUCTION</td><td data-bbox="704 363 1016 402"><input type="checkbox"/> M - MATERIALS/FUEL</td></tr><tr><td data-bbox="391 402 704 431"><input type="checkbox"/> V - VENDOR</td><td data-bbox="704 402 1016 431"><input type="checkbox"/> X - OTHER</td></tr></table>	<input type="checkbox"/> D - OPERATING REACTOR	<input type="checkbox"/> I - INDIVIDUAL LICENSEE	<input checked="" type="checkbox"/> C - REACTOR UNDER CONSTRUCTION	<input type="checkbox"/> M - MATERIALS/FUEL	<input type="checkbox"/> V - VENDOR	<input type="checkbox"/> X - OTHER	OI:RII Field Office
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Robinson	Shearon Harris: Alleged Falsification of Radiation Exposure Reports and Alleged Discrimination		

STATUS (Specify date, and provide a brief description)

5/23/86: Inquiry opened per RII Request No. RII-86-011. Allegor states that CP&L is falsifying the NRC Form 4's of current Shearon Harris employees who had exposure histories while working at Brunswick and Robinson. Allegor cites intimidation by CP&L by threats of termination if allegor talked about problems within "earshot" of NRC inspectors. Allegor also alleges pressure by CP&L on North Carolina State University by threatening to terminate grant money if NCSU enrolled allegor in graduate school. ECD (Field Work) 6/27/86

06/02/86 No Change

07/01/86 Field work initiated week of 6/30 - 7/3/86. ECD 08/01/86

08/04/86 Field work in progress. ECD 9/1/86



## INVESTIGATION STATUS RECORD

INSTRUCTIONS: This form is to be completed whenever significant activity has occurred relative to a case or at least every 30 days. If no change has occurred during the 30 day reporting period, indicate "No Change" in the status block. Keep the original with the case file and send one copy to Headquarters, Office of Investigations.

CASE NUMBER	CATEGORY		OFFICE
RII-86-A-0067 Q2-86-017	<input type="checkbox"/> D - OPERATING REACTOR <input checked="" type="checkbox"/> C - REACTOR UNDER CONSTRUCTION <input type="checkbox"/> V - VENDOR	<input type="checkbox"/> I - INDIVIDUAL LICENSEE <input type="checkbox"/> M - MATERIALS/FUEL <input type="checkbox"/> X - OTHER	OI:RII Field Office

ASSIGNED TO Robinson	SUBJECT Shearon Harris: Alleged Falsification of Radiation Exposure Reports and Alleged Discrimination
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UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

ATOMIC SAFETY AND LICENSING BOARD

Before Administrative Judges:

✓ James L. Kelley, Chairman  
Dr. James H. Carpenter  
Glenn O. Bright

In the Matter of

Docket No. 50-400-OL  
(ASLBP No. 82-472-03-OL)

CAROLINA POWER & LIGHT  
COMPANY and  
NORTH CAROLINA EASTERN  
MUNICIPAL POWER AGENCY  
(Shearon Harris Nuclear Power Plant)

April 28, 1986

In this Final Licensing Board Decision the Board resolves two remaining contentions in Applicants' favor and authorizes the issuance of an operating license for the Shearon Harris Plant. The Board finds that drug use at the Shearon Harris construction site has not been "widespread" as alleged in the Intervenor's contention, and further finds no evidence that drug use has resulted in any specific deficient work or any specific safety concerns at the Harris Plant. The Board also finds that under summer nighttime conditions the combination of siren, informal alerting, and tone alert radio systems demonstrates compliance with the requirement of "essentially 100%" notification within 15 minutes in the first 5 miles of the Harris Emergency Planning Zone (EPZ).

QUALITY ASSURANCE: REQUIREMENTS

Although the NRC has no regulations specifically addressed to drug use at a nuclear power plant construction site, where the evidence has

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77. The alleged incident of workers smoking marijuana on the boilers occurred in October 1984. Miriello at 4. However, in a Quality Check Employee Exit Questionnaire signed by Ms. Miriello on February 19, 1985, she indicated that she had reported no safety concerns, and that she had no unreported concerns.<sup>16</sup> Appl. Exh. 41. At the hearing, Ms. Miriello stated that she "didn't care" about completing this form, and refused to acknowledge what she had marked on the form.<sup>17</sup> Tr. 9105-08. Although an occasional inconsistency in testimony is to be expected as memories fade, we find that Ms. Miriello's testimony is unusually inconsistent. In addition, Ms. Miriello threatened CP&L in writing that she would attempt to stop the plant through intervention in this proceeding if she were fired. Tr. 9101 (Miriello); Applicants' Assessment testimony at 15. In fact, Ms. Miriello contacted counsel for CCNC within 2 days after her dismissal by CP&L. Tr. 9110 (Miriello).<sup>18</sup> Finally, the Board observed Ms. Miriello's open hostility toward CP&L at the hearing. For all of the foregoing reasons, we give very little weight to Ms. Miriello's testimony.

<sup>16</sup> Ms. Miriello also testified, in contradiction, that she had reported the concerns on drug activity to the FBI in November 1984. Tr. 9109 (Miriello).

18 Although Ms. Miriello testified that she reported the concerns on drug activity to the

18 Although Ms. Miriello testified that she thought she had contacted counsel for CCNC earlier, she could not recall when she did so. Tr. 9110 (Miriello).

and informed [redacted] NCO Reside  
[redacted] March 1983 [redacted] testified that  
[redacted] has free access [redacted] of his ti  
cation, and [redacted] use on t  
field, but [redacted] High Prevat  
Tr. 8670 [redacted] upon his ex  
has [redacted] occurring co  
"it is a [redacted] on site."  
ages of [redacted] drug u  
that he has [redacted] long influer  
to detect [redacted] had been  
Prevatte [redacted] direct evid  
Harris site. [redacted] would h  
The Board N [redacted] of drug  
plovee [redacted] make inspec  
primary [redacted] therefore  
for [redacted] were using  
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1. Impression 500

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policy ... of illegal  
... Peter F.  
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... phantoms enter



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
OFFICE OF INVESTIGATIONS FIELD OFFICE, REGION II  
101 MARIETTA STREET, SUITE 3100  
ATLANTA, GEORGIA 30303  
January 21, 1986

RE-86-A-0067  
(INFO ONLY)

MEMORANDUM FOR: J. Nelson Grace, Regional Administrator  
Region II

FROM: James Y. Vorse, Director *JY*  
Office of Investigations Field Office  
Region II

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT (BSEP) INFORMATION  
REGARDING POSSIBLE HEALTH PHYSICS CONCERNS

During the course of the interview of Ms. Patty Miriello regarding her allegation of falsification of pre-service piping inspection documentation at Shearon Harris Nuclear Power Plant, she informed our office of the following events at BSEP that are hereby being forwarded to your office for appropriate consideration. Additional details regarding these events may be obtained by contacting Ms. Miriello directly.

1. Miriello stated that while working with two men from Institute Research Management (IRM), whom she could not further identify, on top of the liner in the drumming rooms at BSEP, she felt her throat burning. Miriello stated that she asked a female technician from Chem-Nuclear if the "isotopic" had been done. Miriello stated that the technician said that an "isotopic" had not been done. Miriello stated that she went on working in the drumming room even though her throat was burning and no "isotopic" had been done.
2. Miriello stated that in the Radwaste area at BSEP, the high radiation area was not locked off from the low radiation area. She stated that Gene Haight, of IRM had used a rubber raft to float around in the breezeways taking samples.
3. Miriello stated that Ted Halliday, a security guard at BSEP, who is now the Head of Security for Sumitoma Electric Company in the Research Triangle Park area, phone 581-8100, was in the fuel handling area during the transfer of some spent fuel. She stated that some of the spent fuel rods dropped and the escape access doors jammed. She stated that an official dose estimate of 67 rads was made, and that Halliday was suing CP&L over the contamination problem. She advised that a black male was made a Lieutenant in Security at BSEP, with a \$40,000 per year salary for "keeping quiet" about the dropped fuel rod incident.
4. She stated that Halliday told her stories about employees sleeping on "hot" (high radiation) pipes, and that a 24 year old employee died of cancer. She did not identify any of these employees.

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*release*

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