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SECRETARY'S OFFICE
Public Utility Commission

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

Letter of Notification of Philadelphia :
Electric Company relative to recon- :
structing and rebuilding of the :
existing 138 kV line to operate as a : A-110550F055
Woodbourne-Heaton 230 kV line in :
Montgomery and Bucks County. :

ORDER

RLS

AND NOW, to wit, this 18th day of October, 1991,

IT IS HEREBY ORDERED:

1. That the letter dated October 3, 1991 from Catherine Anne Porter, Esquire of the firm of Schneider & Porter, Esquires addressed to the Administrative Law Judge and setting forth the position of Langhorne Borough in connection with this matter be placed in the Special Documents Folder in this proceeding.

2. That counsel for Langhorne Borough serve a true and correct copy of the aforesaid letter upon all parties of record in this proceeding and a Certificate of Service thereof with the Secretary of the Commission.

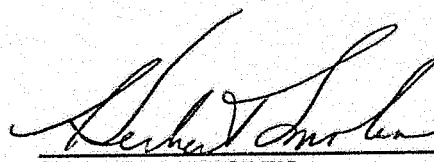
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OCT 25 1991

3. That should Langhorne Borough desire to take any additional action in this proceeding, it must comply with the appropriate rules and regulations promulgated by the Pennsylvania Public Utility Commission.

Date: _____

Oct. 18, 1991



HERBERT SMOLEN
Administrative Law Judge



COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA PUBLIC UTILITY COMMISSION
PHILADELPHIA STATE OFFICE BUILDING
1400 WEST SPRING GARDEN STREET
PHILADELPHIA, PENNSYLVANIA 19130

IN REPLY PLEASE
REFER TO OUR FILE

RLS

October 18, 1991

Jerry Rich, Secretary
Pennsylvania Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17120

ATTENTION: File Room

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OCT 22 1991

Office of A. L. J.
Public Utility Commission

Re: Letter of Notification of Philadelphia Electric Company
relative to reconstructing and rebuilding of the existing
138 kV line to operate as a Woodbourne-Heaton 230 kV line in
Montgomery and Bucks County.
Docket No. A-110550F055

Dear Secretary Rich:

Attached hereto please find my Order in the above
matter, together with the original letter with attachment
referred to in said Order.

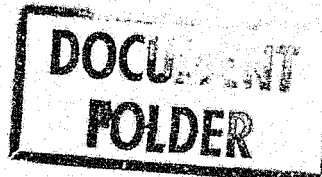
Kindly file the letter and the copy of the Order in the
Special Documents Folder established for this proceeding.

Very truly yours,

Herbert Smolen
Administrative Law Judge

HS/mg

Attachments



SCHNEIDER & PORTER

ATTORNEYS AT LAW
198 NORTH PINE STREET
LANGHORNE, PENNSYLVANIA 19047
(215) 752-5588

ANDREW F. SCHNEIDER *
CATHERINE ANNE PORTER*
* PA & NJ BAR

NEW JERSEY OFFICE
941 WHITEHORSE AVE.
SUITE 9
TRENTON, NJ 08610
(609) 585-3903

October 3, 1991

The Honorable Judge Smolen
1302 Philadelphia State Office Building
Broad and Spring Garden Streets
Philadelphia, PA 19130

Re: Reconstruction, rebuilding, and upgrading of
138 kv lines to 230 kv lines in Langhorne Borough

Dear Judge Smolen:

Please be advised that I represent Langhorne Borough, a municipality located in Bucks County. We are a small neighborhood of approximately 450 homes, but running through the northern portion of our community are the proposed lines to be upgraded.

At our Borough Council meeting on September 11, 1991, we voted to oppose the modification of the existing 138 kv lines. We have set forth below our reasons:

(1) We believe that there have not been significant studies of the long-term effects of exposure to high voltage power transmission lines to justify the exposure of families to this potential risk. Epidemiological research requires consistent results from a large number of well-done studies before there can be a consensus as to the effect of the exposure;

(2) We understand that the epidemiological evidence to date is inconclusive. Some studies demonstrate an association between long-term exposure to electromagnetic fields and potential for harm. For example, the studies done by Wertheimer and Leeper in 1979 and 1982 and by Savitz in 1987. Others have found no association. For example, the studies done by Fulton in 1980; Myers in 1985; Stevens in 1987; and McDowall in 1983. In light of the inconsistency in findings, we believe that erring on the side of precaution is appropriate;

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PUBLIC UTILITY COMMISSION
PHILADELPHIA OFFICE
ADMINISTRATIVE LAW JUDGE

(3) We feel that a delay in the upgrade is appropriate until definitive data can be produced to prove the safety of the lines. Many important studies of electromagnetic fields are on-going, with results expected in the mid-1990's. We have attached a timetable of studies currently sponsored by the Electric Power Research Institute;

(4) We suggest that the lines proposed to be used for the upgrade be changed and that the lines northernmost and farthest from residences be used if a delay or halt of the project is not permitted; and,

(5) We have reviewed the much-cited 1989 report on electromagnetic fields of the Department of Engineering and Public Policy of the Carnegie-Melon University prepared for Congress' Office of Technology and we ask that you consider it as well. In light of the inconclusive findings of studies on electromagnetic fields, the report recommended a policy of "prudent avoidance" of field exposures. In an effort to keep people out of electromagnetic fields, they suggested, among other measures, routing new transmission lines so they avoid people and widening transmission line rights-of-way.

We respectfully request that this letter be accepted in lieu of public testimony at the proposed hearing. Kindly advise us if this is not possible.

Sincerely,



Catherine Anne Porter

CAP/tw

type second-generation AMEXs are anticipated around mid-1990.

Equipped with EPRI's EMF instruments and trained in measurement protocols that have been developed in parallel, utilities and EPRI contractors on various projects are sampling and logging data on the diverse EMF environment—on job sites and in homes, office buildings, schools, and other public buildings.

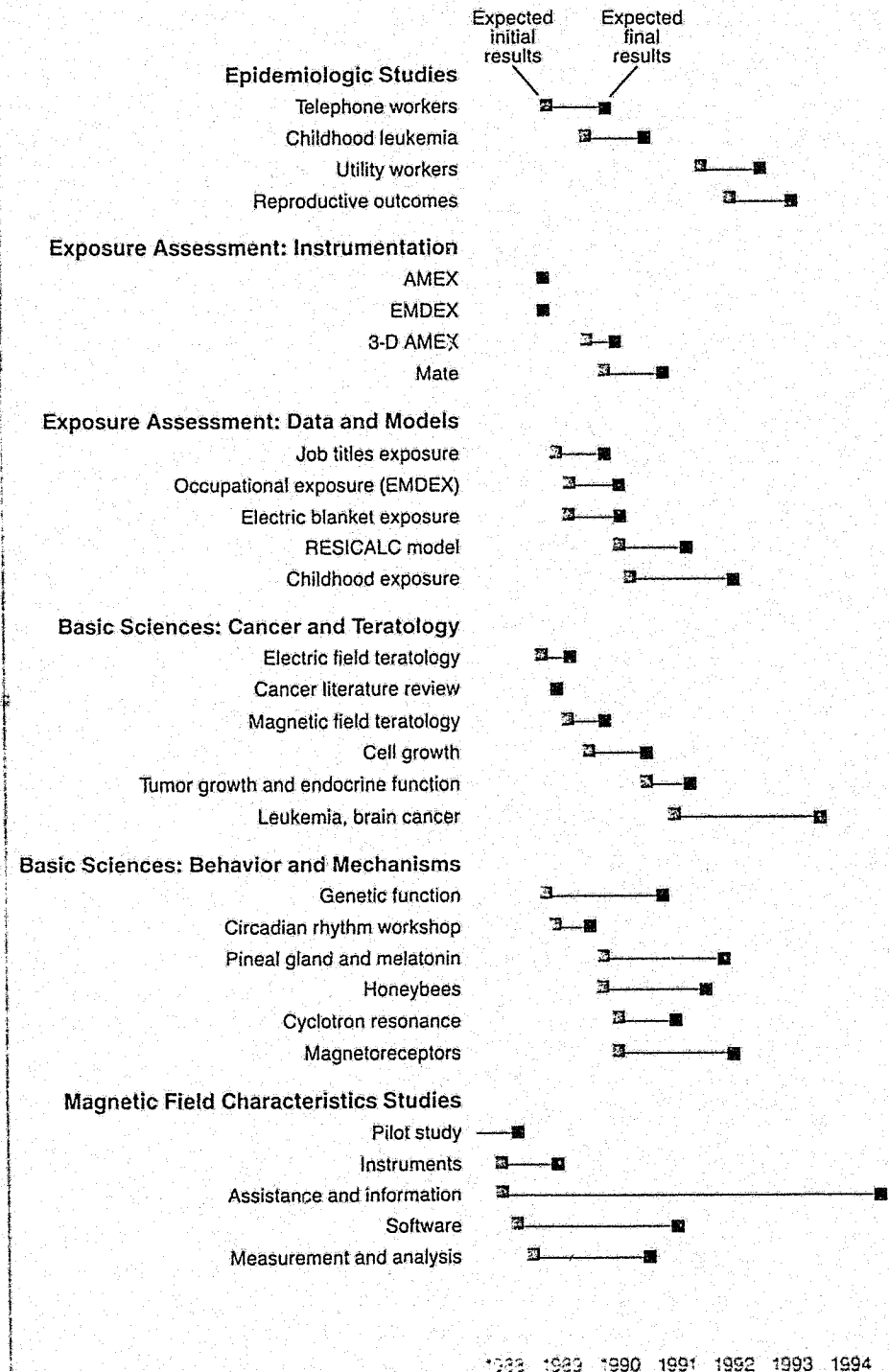
The half dozen research projects in the last few years that have measured residential magnetic fields have shown mean field flux densities of 1 mG or lower. But peak levels greater by an order of magnitude or more are also found indoors. Ongoing EPRI projects are focused on gathering a much more extensive database on residential exposure as well as developing new analytic tools for assessing them.

A laboratory residential structure and part of a neighborhood distribution system have been built at EPRI's High Voltage Transmission Research Center in Massachusetts to measure and evaluate the dynamic EMF environment under various wiring and current-loading configurations. At HVTRC, operated for EPRI by General Electric, the setup includes the fully wired laboratory house, served by a 1200-ft 23-kV overhead distribution line and with grounding connections to a specially designed water main system with variable resistance, and a number of simulated residential and primary circuit loads.

According to Greg Rauch, a project manager in EPRI's Electrical Systems Division, two types of three-axis magnetic field recorder developed primarily for utility field use will also be used at HVTRC, in the national survey, and in other related projects. One device is a waveform capture system for recording many simultaneous point measurements of fields and current flows. It will be used at the laboratory house to study, for example, how magnetic fields change as researchers vary the loads and ground resistance. Of particular interest

EPRI Projects in EMF: Timetable for Results

Some 30 EPRI-sponsored research projects spanning epidemiology, exposure assessment, and basic science are investigating various aspects of the EMF health effects question. The horizon for expected results from most major studies is within two to four years. The work is conducted in leading universities and laboratories and is guided by an independent advisory committee of distinguished scientists. EPRI also maintains close ties with other leading national and international EMF researchers.



BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

Letter of Notification of Philadelphia :
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structing and rebuilding of the :
existing 138 kV line to operate as a : A-110550F055
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ORDER

AND NOW, to wit, this 18th day of October, 1991,

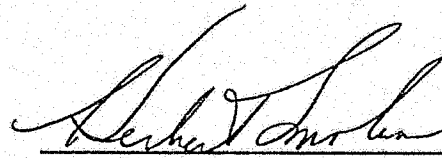
IT IS HEREBY ORDERED:

1. That the letter dated October 3, 1991 from Catherine Anne Porter, Esquire of the firm of Schneider & Porter, Esquires addressed to the Administrative Law Judge and setting forth the position of Langhorne Borough in connection with this matter be placed in the Special Documents Folder in this proceeding.

2. That counsel for Langhorne Borough serve a true and correct copy of the aforesaid letter upon all parties of record in this proceeding and a Certificate of Service thereof with the Secretary of the Commission.

3. That should Langhorne Borough desire to take any additional action in this proceeding, it must comply with the appropriate rules and regulations promulgated by the Pennsylvania Public Utility Commission.

Date: Oct. 18, 1991



HERBERT SMOLEN
Administrative Law Judge

SERVICE LIST

Patricia Krise Burket, Esquire
P.O. Box 3265
Harrisburg, PA 17105-3265

Paul Bonney, Esquire
2301 Market Street
Philadelphia, PA 19101

Thomas Watson, Esquire
Ward L. Smith, Esquire
Crowell & Moring
1001 Pennsylvania Avenue, N.W.
Washington, D.C. 20009

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Sugarman & Associates
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101 North Broad Street
Philadelphia, PA 19107

Tanya J. McCloskey, Esquire
1425 Strawberry Square
Harrisburg, PA 17120

Arundhati Khanwalkar, Esquire
Two North Ninth Street
Allentown, PA 18101

Catherine Anne Porter, Esquire
Schneider & Porter, Esquire
198 North Pine Street
Langhorne, PA 19047

Honorable Allison K. Turner
Chief Administrative Law Judge
Pennsylvania Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17105-3265

SCHNEIDER & PORTER

ATTORNEYS AT LAW
198 NORTH PINE STREET
LANGHORNE, PENNSYLVANIA 19047
(215) 752-5588

ANDREW F. SCHNEIDER *
CATHERINE ANNE PORTER *
* PA & NJ BAR

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SUITE 9
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OCT 24 1991

SECRETARY'S OFFICE
Public Utility Commission

Jerry Rich, Secretary
PA Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17105-3265

Re: Reconstructing and Rebuilding of the existing 138 kV line
in Montgomery and Bucks County

Dear Mr. Rich:

Please find enclosed the Affidavit of Service concerning the
above matter.

Sincerely,

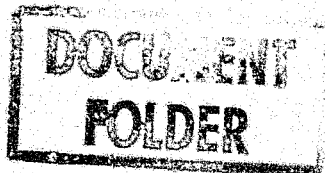
Catherine Anne Porter
Solicitor for Langhorne Borough

RLS

A 110550
FSS

CAP/tw

Enclosure



BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

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Electric Company relative to :
reconstructing and rebuilding of the : A-110550F055
existing 138 kV line to operate as a :
Woodbourne-Heaton 230 kV line in :
Montgomery and Bucks County :

AFFIDAVIT OF SERVICE

I hereby certify that on the 22nd day of October, 1991, I served a true and correct copy of the letter dated October 3, 1991 addressed to the Administrative Law Judge and setting forth the position of Langhorne Borough in connection with this matter, to the following persons:

Patricia Krise Burket, Esquire
P.O. Box 3265
Harrisburg, PA 17105-3265

Tanya J. McCloskey, Esquire
1425 Strawberry Square
Harrisburg, PA 17120

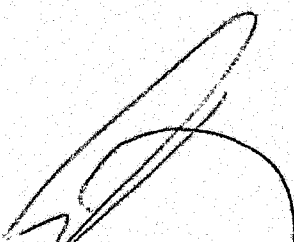
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Chief Administrative Law Judge
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Harrisburg, PA 17105-3265

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Catherine Anne Porter
Attorney I.D. #34731
Solicitor for Langhorne Borough

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