

(8,000 PCi/l) is about one chance in 3 million per reactor year for the Schuylkill and less than one chance in a billion per year for the Delaware (Ref. 3, p. 19; see Second PID p. 258). If the source term revisions discussed in paragraph 15 are considered, the probability that the ⁹⁰Sr thirty day PAG would be exceeded in the Schuylkill could be as low as one chance in a hundred million per year (factor of 5) or less than one chance in a billion per year (factor of 10 or more). It is estimated that the isotopes of iodine might be significant contributors to the dose (330 mrem in one month) which constitutes PEMA's PAG. The calculation of the rate at which iodine, deposited on a watershed, leaches into the river is discussed in paragraph 10. Using the model described there, there would be a chance of about one chance in 100,000 per reactor year that the PEMA short-term PAGs for ¹³¹I (3000 pCi/l) might be exceeded in the Schuylkill River, and about one chance in 150,000 per reactor year that they might be exceeded in the Delaware River. These probabilities are the same as the upper bound probabilities given in the previous written testimony (Ref. 3, p. 19) and on page 258 of the Second PID even though the calculation given there assumed that the fraction of the deposited iodine that would enter the drinking water source in the short term would be 50 times that of the strontium (i.e., close

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)
)
Philadelphia Electric Company) Docket Nos. 50-352
) 50-353
(Limerick Generating Station,)
Units 1 and 2))

CERTIFICATE OF SERVICE

I hereby certify that copies of "Applicant's Response to City of Philadelphia Motion to Strike Certain Portions of Testimony Related to Contentions City-18 and City-19" and "Transmittal of Corrected Page of Applicant's Testimony Relating to Contentions City-18 and City-19," dated November 27, 1984 in the captioned matter have been served upon the following by deposit in the United States mail this 27th day of November, 1984:

Helen F. Hoyt, Esq.
Chairperson
Atomic Safety and
Licensing Board
U.S. Nuclear Regulatory
Commission
Washington, D.C. 20555

Dr. Richard F. Cole
Atomic Safety and
Licensing Board
U.S. Nuclear Regulatory
Commission
Washington, D.C. 20555

Dr. Jerry Harbour
Atomic Safety and
Licensing Board
U.S. Nuclear Regulatory
Commission
Washington, D.C. 20555

Atomic Safety and Licensing
Appeal Panel
U.S. Nuclear Regulatory
Commission
Washington, D.C. 20555

Docketing and Service Section
Office of the Secretary
U.S. Nuclear Regulatory
Commission
Washington, D.C. 20555

Ann P. Hodgdon, Esq.
Counsel for NRC Staff
Office of the Executive
Legal Director
U.S. Nuclear Regulatory
Commission
Washington, D.C. 20555

Atomic Safety and Licensing
Board Panel
U.S. Nuclear Regulatory
Commission
Washington, D.C. 20555

Philadelphia Electric Company
ATTN: Edward G. Bauer, Jr.
Vice President &
General Counsel
2301 Market Street
Philadelphia, PA 19101

Mr. Frank R. Romano
61 Forest Avenue
Ambler, Pennsylvania 19002

Mr. Robert L. Anthony
Friends of the Earth of
the Delaware Valley
106 Vernon Lane, Box 186
Moylan, Pennsylvania 19065

Charles W. Elliott, Esq.
325 N. 10th Street
Easton, PA 18042

Miss Phyllis Zitzer
Limerick Ecology Action
P.O. Box 761
762 Queen Street
Pottstown, PA 19464

* Zori G. Ferkin, Esq.
Assistant Counsel
Commonwealth of Pennsylvania
Governor's Energy Council
1625 N. Front Street
Harrisburg, PA 17102

Jay M. Gutierrez, Esq.
U.S. Nuclear Regulatory
Commission
631 Park Avenue
King of Prussia, PA 19406

Angus Love, Esq.
107 East Main Street
Norristown, PA 19401

Robert J. Sugarman, Esq.
Sugarman, Denworth &
Hellegers
16th Floor, Center Plaza
101 North Broad Street
Philadelphia, PA 19107

Director, Pennsylvania
Emergency Management Agency
Basement, Transportation
and Safety Building
Harrisburg, PA 17120

* Martha W. Bush, Esq.
Kathryn S. Lewis, Esq.
City of Philadelphia
Municipal Services Bldg.
15th and JFK Blvd.
Philadelphia, PA 19107

Spence W. Perry, Esq.
Associate General Counsel
Federal Emergency
Management Agency
500 C Street, S.W., Rm. 840
Washington, DC 20472

Thomas Gerusky, Director
Bureau of Radiation
Protection
Department of Environmental
Resources
5th Floor, Fulton Bank Bldg.
Third and Locust Streets
Harrisburg, PA 17120

* Federal Express

James Wiggins
Senior Resident Inspector
U.S. Nuclear Regulatory
Commission
P.O. Box 47
Sanatoga, PA 19464

Timothy R.S. Campbell
Director
Department of Emergency
Services
14 East Biddle Street
West Chester, PA 19380

* Mr. Ralph Hippert
Pennsylvania Emergency
Management Agency
B151 - Transportation
Safety Building
Harrisburg, PA 17120


Mark J. Wetterhahn

* Federal Express