

UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20555

November 3, 1989

Mr. W. Roger Ney
Executive Director
National Council on Radiation
Protection and Measurements
7910 Woodmont Avenue
Suite 800
Bethesda, MD 20814-3095

Dear Mr. Ney:

In response to your September 27, 1989 request, I am pleased to nominate a member of the Nuclear Regulatory Commission (NRC) staff, Dr. Carl J. Paperiello, for membership on the National Council for Radiation Protection and Measurements(NCRP). Dr. Paperiello is currently the Deputy Regional Administrator in the NRC Region III office and has extensive experience and accomplishments in the radiation health field from both a national and international perspective. A detailed summary of his background and qualifications is enclosed.

I would also like to reaffirm our earlier nominations of Dr. Frank Congel, Mr. Harold Peterson, Dr. John Baum, and Mr. Robert Alexander. For your information, the nominating package for Mr. Alexander should be annotated to reflect his retirement from the Federal Government since we nominated him for the 1988 election.

The NRC appreciates the opportunity to participate in the NCRP nominating process. We rely upon the reports and recommendations of the Council in meeting our statutory responsibilities and believe that each of the individuals we have nominated would be a valuable addition to the Council's membership.

Sincerely,

James R. Curtiss Acting Chairman

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Enclosure: As stated

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CARL J. PAPERIELLO

Organization:

Region III

Title:

Deputy Regional Administrator

Grade:

ES-5

Birth Date:

11/15/42

Education:

B. A. (Physics) LaSaile College, 1964
Ph.D. (Nuclear Physics), University of Notre Dame, 1970
(Part-time) 27 Cr. Hours Chemistry, 6 Cr. Hours Nuclear Engineering, Union College, 1971-1975
18 Qtr. Hours Data Processing, College of DuPage, 1983-1986

Experience:

8/87 -

Deputy Regional Administrator - Represents and acts for the Regional Administrator during his absence, and assists in the management of functions assigned to the Regional Office.

6/85 - 8/87

Director, Division of Reactor Safety - Directed the activities of a Regional Division with a professional staff of approximately 55 inspectors and supervisors having responsibility for routine and reactive inspections performed in the specialized fields of engineering and operator licensing. As a member of the principal staff of the Region, participated in the development, implementation, and evaluation of policies, plans, goals and procedures of the NRC as they apply to effective program and resource management.

2/81 - 6/85

Chief, Emergency Preparedness and Radiological Safety
Branch - Managed a branch consisting of three
supervisors and about 15 professional and nonprofessional employees. Responsible for inspecting
licensee emergency preparedness, environmental
monitoring, and clean-up of contaminated sites.
Responsibility also included NRC regional incident
response, the regional laboratory, confirmatory
measurements program, Management Information System,
and coordination of SALP activity.

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E/80 - 2/81 Chief, Environmental and Special Projects Section Supervised staff of six inspectors who inspected reactors and fuel facility licensees in the areas of

emergency planning and environmental monitoring and

confirmatory measurements.

7/77 - 8/80 Chief, Materials Radiological Protection Section No. 1 - Supervised staff of six inspectors who inspect users of byproduct material and less than critical quantities

of source and SNM.

1976 - 1978

Radiation Specialist - Inspector in Region I,
Environmental and Special Projects Section. Operated

regional laboratory van and in-house laboratory for confirmatory measurements. Inspected State laboratories

as part of the State Contracts Program.

1976 <u>Senior Research Scientist</u>

1975 - 1975 Research Scientist II

1970 - 1975 Research Scientist I, New York State Health Department - Supervised staff of five who performed all nuclear

counting and data processing activities for the New York State environmental monitoring program. Provided health physics services for New York State Division of Labs and Research. Performed contract

research in environmental areas for EPA and AEC.

Professional Membership:

Member, American Physical Society Member, Health Physics Society

Certified - American Board of Health Physics - 1975

(Certified through 1991)

TECHNICAL QUALIFICATIONS

Dr. Paperiello's formal technical education includes physics and nuclear physics to the Ph.D. level, chemistry midway to an M.S., and mathematics through partial differential equations, group theory and tensor analysis. Subsequent to his Ph.D. he took additional college and graduate level courses in chemistry, nuclear engineering, Fortran, Cobol, advanced Basic and systems analysis. His knowledge of numerical analysis, which is self-taught, is in excess of a one semester course. His physics education included courses in electric circuit theory, electronics, mechanics and thermodynamics.

Dr. Paperiello is a Certified Health Physicist and he served from 1980 to 1984 on the Panel of Examiners for the American Board of Health Physics. He lectured at the Health Physics Summer School on internal dosimetry in 1983 and emergency preparedness in 1985. He also presented an invited professional enrichment session on environmental monitoring at the Health Physics Annual meeting in 1985. Dr. Paperiello's formal education is supplemented by numerous Office of Inspection and Enforcement training courses on reactor systems, accident analysis, and emergency response activities. His knowledge is also extended by technical reading particularly in areas related to accident analysis, risk assessment, PRA, the general fuel cycle and the source term. He served as Protective Measures Coordinator and Deputy Director of Site Operations for the Second Full Federal Field Exercise at Zion in 1987. He was a participant at the IAEA Review Meeting on the Goiania Accident in Rio de Janeiro in July 1988.

As a research scientist for the State of New York's Health Department, Dr. Paperiello supervised the routine nuclear counting and data processing activities of a radiological environmental analysis laboratory, conducted environmental monitoring research for the fuel reprocessing facility and low level waste disposal site at West Valley, New York, conducted research under an AEC contract on radioisotopes not routinely monitored in gaseous and liquid reactor effluents, and directed the Health Department bioassay program for researchers using volatile radioisotopes. During this period he also became familiar with a number of foreign reactors (i.e., CANDU, MAGNOX and Pebble Bed) as part of his gaseous effluent research.

Dr. Paperiello joined the NRC in November 1975. He served as a radiation specialist for power reactors and fuel facilities in Region I for two and one-half years, a Materials Section Chief in Region III for two and one-half years, an Emergency Preparedness and Radiological Safety Branch Chief for about four and one-half years and an Engineering Division Director for almost two years. During this time he also served temporary details as Deputy Director of the Division of Reactor Projects. He has been Deputy Regional Administrator of Region III since 1987. He has had extensive supervisory and managerial experience over every inspection program conducted by a regional office; regionalized licensing activities, especially operator licensing, and almost every type of enforcement action initiated by a region. He served as Acting Deputy Director of the Office of Nuclear Material Safety and Safeguards in early 1989.

PUBLICATIONS

CARL J. PAPERIELLO

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