

SNM705

SUMMARY OF EDUCATION AND EXPERIENCE
of
Anthony LaMastra
Radiation Control Engineer
Environmental Quality Control Division
Industrial Relations Department
Bethlehem Steel Corporation

Professional Certification

Certified Health Physicist, American Board of Health Physics

Standards Committee Membership

American National Standards Institute N43 Committee (Equipment for Non-Medical Radiation Applications). Representing the American Iron and Steel Institute.

Member of the following working Subcommittees, American National Standards Institute.

- N43.2 - Radiation Safety for X-ray Diffraction and Fluorescence Analysis Equipment (under revision).
- N43-3.1 - Use of sealed Source Radiography, Equipment (in development).
- N43-3.2 - Classification of Industrial Ionizing Radiation Gaging Devices (N538 - 1978).
- N43-3.3 - Sealed Radioactive Sources, Classification (N542 - 1978).
- N43-3.5 - Radiological Safety Standard on the Design and Construction of Apparatus for Gamma Radiography (in development).

Education

Bachelor of Science in Biology - St. Joseph's College, Philadelphia, Pa.,
June [REDACTED] EX. 6
Master of Public Health (Environmental Health) University of Minnesota,
Minneapolis, Minn., May [REDACTED] EX. 6

Training in Radiation Protection

University of Minnesota, School of Public Health
Measurement and Applications of Ionizing Radiation - 3 Quarter Hours.
Radiation Protection Criteria for Hospital Design and Operation
2 Quarter Hours.

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Environmental Radioactivity - 3 Quarter Hours.
Environmental Radioactivity Laboratory - 3 Quarter Hours.
Radiation Dosimetry - 4 Quarter Hours.
Radiation Dosimetry Laboratory - 2 Quarter Hours.
Radiation Biology - 3 Quarter Hours.

Brookhaven National Laboratory, Upton, New York - 3 month's summer residency in health physics.

U.S. Public Health Service Short Courses

Basic Radiological Health (2 weeks), Albany, New York.
Management of Radiation Accidents (1 week), Albany, New York.
Medical X-Ray Protection (1 week), Albany, New York.
Non-Ionizing Radiation (1 week), Harrisburg, Pa.

USAEC/Manhattan College Course in Industrial Radiography for State Compliance Personnel, (1 week) New York City.

University of Cincinnati short course in Laser Safety (1 week), Cincinnati, Ohio.

Personal Experience with Isotopes

Americium - 241 (AmBe Neutron source), 50 Ci, Brookhaven National Lab., 3 months use in neutron dosimetry.
Plutonium - 239 (PuBe Neutron source), 10 Ci, Brookhaven National Lab., 3 months use in neutron dosimetry.
Cesium - 137, 10,000 Ci (nominal), University of Minnesota, approximately 10 hours total use in bacterial irradiation project.
Phosphorus - 32, 25 millicuries, University of Minnesota, biological uptake studies.
Iodine - 131, 100 millicuries, University of Minnesota, biological uptake studies.

Employment Experience

June 1966 to June 1968

Two years as a sanitarian with the Dutchess County Health Department, Poughkeepsie, New York. Primary responsibility within the Department for enforcing New York State Health Department radiation regulations pertaining to X-ray machines and non-byproduct material.

August 1969 to March 1972

Two and a half years as the Eastern Area Health Physicist with the Office of Radiological Health, Pennsylvania Department of Environmental Resources. Responsible for Pennsylvania's Radiation Control program in the eastern third of the state. Supervised one other health physicist and two health physics Technicians. Responsibilities included such items as radiation protection inspections of industrial radiography, hospitals, industrial

sources and other medical users, acting as a consultant for state facilities with respect to radiation protection. Developed and presented a 16 hour training course in radiation protection for X-ray technicians.

March 1972 to Present

Radiation Control Engineer, Bethlehem Steel Corporation. Duties include:

- Developing and implementing radiation protection program.
- Developing Bethlehem Steel Corporation's radiation protection manual.
- Developing and conducting radiation protection training courses.
- Providing in-house leak testing, personnel monitoring, and survey meter repair and calibration services.
- Conducting initial and other radiation protection surveys.
- Design shielding.
- Maintain corporate records relative to radiation protection.
- Serve as a Health Physics consultant for corporation facilities.
- Serve as American Iron and Steel Institute's representative on national standard writing committees
- Provide liasion with governmental agencies.