

**PROFESSIONAL RESUME OF SUE P. GRECO**

**I. General Information**

**Compendium:**

**Senior Technical Consultant**

Analytical polymer chemistry. Chemical spectroscopy, including emission, infrared, ultraviolet-visible, x-ray, mass thermal analysis including DSC, TGA, TMA, dilute solution and melt viscosity of polymers, moisture and volatiles determinations. Molecular weights by GPC (size exclusion) and through correlation of viscosities. Microscopy including photomicrography, particle size and shape, Polymer engineering in extrusion processes (melt, solution). Flammability and physical testing of parts, fibers, and fabrics. Correlation of data to solve industrial/manufacturing problems, upgrade processes, develop new products/processes. Colorant chemistry and analysis including both dyes and pigments. Polymer stabilization correlations and analyses in relation to product lifetime failures special properties. Industrial effluent water analysis and data correlation in relation to conformance to standards. Computerization of correlations of Material Safety Data Sheets (MSDS) with materials in-house and evaluation of materials for suitability to processes and personnel. Methods development for above activities.

Ms. Greco has provided expert testimony in a court of law.

**II. Professional Summary**

**Education:**

**Bachelor of Science**

Chemistry, 1954  
Western Reserve University  
Cleveland, Ohio

**Additional Courses**

Textile Technology (duPont), Philadelphia Textile Institute, 1955  
Interpretation of Infrared Spectra, American Chemical Society, 1967  
Spectrometric Identification of Organic Compounds, American Chemical Society, 1967  
Interpretation of NMR Spectra, American Chemical Society, 1968  
Analytical Instrumentation, Sadtler Research Labs, 1968  
Infrared Spectroscopy, Society for Applied Spectrography, 1968  
Modern Organic Synthesis, American Chemical Society, 1969  
Applied Polymer Science, American Chemical Society, 1969  
Thermal Methods of Analysis, American Chemical Society, 1969  
Modern Liquid Chromatography, Waters Associates, 1974  
Electrically Conductive Polymers, Center for Professional Advancement, 1989

**Experience:**

Grant program to provide older workers for U.S. Environmental Protection Administration, 1996 – present  
Pengra Spectro-Analysis, Inc., President. 1994 – 2003  
Katema Inc. Special Filaments Division, Technical Director. 1983 – 1994 (retired)  
FTI Inc., Consultant, 1982 – 2002  
Chevron Fibers/Vectra Corp., Assistant Manager of Research and Development, Laboratory Manager, 1966 – 1982  
E. I. duPont deNemours & Co. Technologist, 1955 – 1958  
Western Reserve University, Spectroscopy Laboratory, Technician, 1952 - 1954

**III. Professional Societies**

American Chemical Society (ACS)  
Society of Applied Spectroscopy (SAS)  
American Society for Testing Materials (ASTM)  
Society of Plastics Engineers (SPE)  
Society for the Advancement of Materials and Process Engineering (SAMPE)

**VI. Publications**

Company proprietary reports