

ANALYTICAL & REGULATORY PRESENTATION

at the Phosphate Conference in Lakeland, Florida

2001 – Chairperson: Sanford A. Siegel, CF industries, Inc.

- 1. A Product Defense Story: Perchlorate in Fertilizers?**
Presented by: Linda Weber, IMC-Global
- 2. Florida's Adoption of the National Environmental Laboratory Accreditation Program and How This Will Affect the Phosphate Industry**
Presented by: Susanne Allen, U. S. Agri Chemicals
- 3. Which Trace Metals Analytical Technique is Right for You?**
Presented by: Kerry Besecker, Perkin-Elmer Instruments
- 4. Comparative Methods for Metals in Fertilizer and "Some" Pitfalls to Avoid**
Presented by: Harold Falls, CF Industries, Inc.
- 5. Nuclear Magnetic Resonance and Raman Spectroscopy – Novel Analytical Techniques**
Presented by: Vaughn E. Davis, Oxford Instruments Process Systems

2002 – Chairperson: Sanford A. Siegel, CF industries, Inc.

- 1. Repairs to Damaged HDPE Lined Phosphogypsum Stack**
Presented by: John Touchton, P.E. – CF Industries, Inc.
- 2. Use of Inductively Coupled Plasma-Mass Spectrometry for EPA Methods 200.8 and 6020**
Presented by: Kerry Besecker –PerkinElmer Analytical
- 3. A Comparison of Three Analytical Techniques for Complex Matrices Including Geological Samples**
Presented by: Charles Hodges – Thermo, Division of Spectroscopy
- 4. A Review of Naturally Occurring Radioactive Materials in the Phosphate Industry**
Presented by: Ron Brunk – Environmental Manager, Radiation Safety Officer, U. S. Agri-Chemicals
- 5. Benefits of Nuclear Magnetic Resonance (NMR) in the Phosphate Beneficiation Process**

Presented by: Vaughn E. Davis – Oxford Instruments Process Systems, North Andover, MA

2003 - Chairperson: Susanne Allen, U. S. Agri-Chemicals

1. Analysis of Phosphate in Fertilizers Concentrates and Process Phosphoric Acid Utilizing a Simultaneous ICP-OES

Presented by: Sanford A. Siegel – Senior Chemist, quality Control, CF Industries, Inc. Co-author: Art Espinosa – IMC

2. The Importance of Sampling Techniques in the Analytical Process

Presented by: Rodrigo Santana – Operations Manager, SGS North America, Inc. Minerals Services Division

3. Utilization of Process NMR in the Phosphate Industry

Presented by: Vaughn E. Davis – Chief Executive Officer, Progression, Inc. Co-authors: Carey E. Stafford and Karen Lulf – Cargill Crop Nutrition

4. Understanding Aquatic Toxicity Testing

Presented by: Peter Meyer – Hydrosphere Research

5. Bridging the Gap Between Whole Effluent Toxicity (WET) Testing and Reality

Presented by: Kym Rouse Campbell – Senior Ecologist/Vice President, Biological Research Associates

For more information contact the [AFPC](#) or [FIPR](#).