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Measurement of Hazardous Air Pollutants: Impact of the Clean Air Act on the Manufacturing Community; Application of Soil Mechanics to Ceramic processing; Sampling Procedures for Raw Materials Establishing Regulatory Compliance in a New Plant Problem Solving Using Experimental Design Techniques; Ball Clay Selection Using Experimental Design Techniques; Using ASTM Slip Test Methods in Ceramic Tile Plants; Kiln Furniture for the Tableware and Brick Industries; Implementing Responsible Cares®; Linear Programming as a Method for Optimization of Ceramic Processes; Material Variables Involved in the Precision Process of Surface Finishing of Ceramic Products; Drying and Firing: Kiln Furniture; Monocottura and Monoporosa Tile Reformulation Principles and Practices Using Failure Mode and Effects Analysis in New Glaze Introduction Supplier Quality Management for Ceramic Industries; Evaluation of Fluoride Emissions Methods for Use at Ceramic Tile Kilns; Forming and Extrusion of Porcelain Bodies; Forming in the RAM Mode; Mystery of Air in Drying; Traveling Thermocouples Solve Firing Problems; Ball Clay Basics; Lo-Mass® Kiln Cars for the Ceramic Industry; Feldspar: What Is It? Where Does It Come From? What Do I Need to Know About Using It?; Silicon Carbide and Aluminum Oxide Kiln Furniture for the Ceramic Industry Automated Baroid Filter Characterization of Casting Slip Components The Quality Improvement Movement: An Overview; Various Aspects of Glaze Preparation and Application Methods; Minimizing Color Adjustments to Production Glazes; Plastic Forming; The Function of Feldspar and/or Nepheline Syenite in a Ceramic Whiteware Body; Using ASTM Standards as the Basis for Whiteware Process Control Procedures; Analyzing Sanitaryware Tunnel Kiln Operations with Thaveling Thermocoupl; Raw Material Specifications; Polishing Parameters and Their Effect on Glass Polish Performance

Sommario/riassunto

This volume is part of the Ceramic Engineering and Science Proceeding (CESP) series. This series contains a collection of papers dealing with issues in both traditional ceramics (i.e., glass, whitewares, refractories, and porcelain enamel) and advanced ceramics. Topics covered in the area of advanced ceramic include bioceramics, nanomaterials, composites, solid oxide fuel cells, mechanical properties and structural design, advanced ceramic coatings, ceramic armor, porous ceramics, and more.
