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Nota di contenuto	Avoiding Static Ignition Hazards in Chemical Operations: A CCPS Concept Book; CONTENTS; Preface; Acknowledgments; 1 INTRODUCTION; 1-1. Purpose; 1-2. Exclusions; 1-3. Units; 1-4. Organization of the Book; 2 FUNDAMENTALS OF STATIC ELECTRICITY; 2-1. What Is Static Electricity?; 2-1.1. Charge Separation; 2-1.2. Magnitude of Current and Potential; 2-1.3. Concentration of Charged Species; 2-1.4. Importance of Trace Contaminants; 2-1.5. Hazard Evaluation; 2-1.6. Statistics; 2-2. Charge Generation; 2-2.1. Induction Charging; 2-2.2. Ionic Charging; 2-3. Charge Dissipation 2-3.1. Variability of Conductivity2-4. Charge Accumulation; 2-5. Ignition; 2-5.1. Effective Energy; 2-6. Static Discharges; 2-6.1. Corona Discharge; 2-6.2. Brush Discharge; 2-6.3. Bulking Brush Discharge; 2-6.4. Spark Discharge; 2-6.5. Propagating Brush Discharge (PBD); 2-6.6. Surface Streamer; 2-7. Personnel Spark and Shock Hazards; 2-7.1. Body Capacitance and Resistance; 2-7.2. Voltage (V) and Energy (W) Attained; 2-7.3. Human Shock Response; 3 EVALUATING THE HAZARD

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Sommario/riassunto

Written by Laurence Britton, who has over 20 years' experience in the fields of static ignition and process fire and explosion hazards research, this resource addresses an area not extensively covered in process safety standards or literature: understanding and reducing potential hazards associated with static electricity. The book covers the nature of static electricity, characteristics and effective energies of different static resources, techniques for evaluating static electricity hazards, general bonding, grounding, and other techniques used to control static or prevent ignition, gases an

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Sommario/riassunto	<p>In The Great Pursuit, the dramatic sequel to the New York Times bestselling The Great Hunt, Wendy Higgins delivers another thrilling fantasy filled with dangerous enemies, political intrigue, searing romance, and a princess who is willing to do everything to protect her kingdom. One hunt has ended, but the pursuit for love and justice continues. The kingdom of Lochlanach has traded the great beast that once terrorized the realm of Eurona for something far more dangerous: the ire of powerful Lashed woman Rosaria Rocato. Rosaria demands that Eurona overturn the laws prohibiting magic, or an innocent will be killed each day. Despite the king's resistance, Princess Aerity believes they must make peace with the Lashed, and though she's accepted a betrothal to the man who took down the beast, she cannot help thinking about Paxton, the Lashed man who stole her heart and disappeared. Aerity soon discovers that Paxton has joined Rosaria's army in the war against her family. Though her feelings for him are still strong, her duty to her kingdom and her family is stronger--especially when her parents are kidnapped and she has to step up to the throne and once again put aside what's best for her in order to do what's best for her people. Paxton and Princess Aerity must fight to see what is more powerful: their love or the impending war between the magical Lashed and the non-magic humans.</p>