

Environmental Fates and Effects of Discharges

Co-Chair: Margaret C. Metcalf, Minerals Management Service

Co-Chair: Jill Leale, Minerals Management Service

Tuesday Morning, January 11, 2005

8:30 – 8:35

Introduction

Margaret C. Metcalf
Minerals Management Service

8:35 – 8:55

Mineralogic and Compositional Investigations of Barite Samples

James P. McKinley
Battelle Marine Sciences Laboratory

8:55 – 9:35

Barite Solubility and the Release of Trace Metals to the Marine Environment

Eric Crecelius, Brenda Lasorsa, and Jill Brandenberger
Battelle Marine Sciences Laboratory

9:35 – 9:55

Biodegradation of Synthetic-Based Drilling Fluids

Alan Nguyen and Deborah Roberts
University of Houston

9:55 – 10:10

Break

10:10 – 10:30

Characterization of Microbial Populations Subsisting upon Synthetic-based Drilling Fluids.

Kavita Swaminathan and Deborah Roberts
University of Houston

10:30 – 11:00

Understanding the Processes that Maintain the Oxygen Levels in the Deep Gulf of Mexico

Ann Jochens
Texas A&M University

11:00 – 11:30

Toxicological Interactions between Metals and Polynuclear Aromatic Hydrocarbons in the Benthic Copepod *Shizopera knabeni*

John Fleeger, Sidney Marlborough, Soroya Silva,
and Kevin Carman
Louisiana State University