

CALL FOR CASES
Abstract Submission Deadline: March 1, 2013

Responsible Mining: Sustainable Practices in the Mining Industry

A book edited by Dr. Michelle Jarvie-Eggart, Barr Engineering and University of Maryland
University College, USA and Dr. Helen E. Muga, University of Mount Union, USA

To be published by Society for Mining, Metallurgy, and Exploration (SME):
<http://www.smenet.org/>

Introduction

Current practitioners in the industry are not always aware of best practices. Junior mining companies, in particular, can face resource and personnel limitations which make it difficult for them to do the necessary homework to even understand what sustainability means in the context of mining, let alone how to address the issue within their organizations.

There is a need to describe the voluntary measures the mining industry is taking to address sustainability. The text would include a description of what sustainability means to the mining industry (managing social, environmental, and economic risks), the demand for these efforts by NGOs and the international community, various industry associations to address the issue, their programs and implementation, common themes emerging among the programs, and case studies highlighting efforts along these themes.

Overall Objective of the Book

The objective of this book is to provide the reader with an understanding of the concept of sustainability as it is applied within the mining industry, the various industry organizations involved in addressing sustainability within mining, and examples of best practices at companies and mining operations. This work seeks to present case studies of best practices, which can be used for examples and inspiration to those working within the mining industry, as well as students and educators.

Target Audience

The target audience of this book will be comprised of professionals practicing within the industry, students, and educators. Material in this book will cover multiple disciplines, and may be of appeal to various types of engineers, biologists, social scientists and business people. This text is meant not only to provide examples of best practices to those working in the industry, but also to be of use to educators teaching courses in or related to sustainability within mining.

Case study chapters are solicited highlighting efforts to address various issues within a company or at an operation. These chapters should present best practices in the developed world. Chapter length should be approximately 10,000 words. (Recommended topics include, but are not limited to, the following):

Biodiversity

- Methods to measure and quantify baseline biodiversity at mine sites
- Biodiversity action plans
- Ecosystem services
- Biodiversity offsets
- Biodiversity management at active sites.

Closure/Reclamation:

- Approaches to planning for new uses post-mining
- Community engagement in closure/reclamation planning
- New and unusual reclamation practices

Energy/GHG:

- Energy management efforts
- GHG reduction efforts
- GHG Offsets

Community of Interest Engagement/Participation:

- Efforts to identify communities of interest (COI, those affected by the mining operation)
- Efforts to engage COIs
- Free, Prior and Informed Consent (FPIC)

Environmental Monitoring/Compliance

- Environmental Assessment and baseline studies
- Post-closure monitoring
- Zero liquid discharge and other approaches to the elimination of monitoring points
- Citizen-science and monitoring partnerships

Safety/Crisis:

- Efforts to improve safety on site
- Crisis response and communications efforts
- Employee mine rescue teams

Tailings/waste:

- Tailings management
- Efforts/research for tailings consolidation (particularly for oil sands)
- Waste rock stockpile management by grade

Water:

- Efforts to conserve or recycle water on mine sites
- Effluent quality improvement efforts
- Approaches to protecting surrounding water resources
- Site Storm water runoff

Financial Community Response

- Extractive Industries Transparency Index
- Integrated sustainability and financial reporting
- Other appropriate topics

Submission Procedure

Researchers and practitioners are invited to submit *on or before March 1, 2013*, a 1-3 page abstract clearly explaining the mission and concerns of his or her proposed case. Authors of accepted proposals will be notified by *April 1, 2013* about the status of their proposals and sent case guidelines. Full cases are expected to be submitted by *June 1, 2013*. All submitted cases will be reviewed on a double-blind review basis. Contributors may also be requested to serve as reviewers for this project.

Publisher

This book is scheduled to be published by the Society for Mining, Metallurgy, and Exploration (SME). For additional information regarding the publisher, please visit www.smenet.org. This publication is anticipated to be released in 2014.

Important Dates:

March 1, 2013:	Abstract Submission Deadline
April 1, 2013:	Notification of Acceptance
June 1, 2013:	Full Case Submission
August 1, 2013:	Review Result Returned
September 1, 2013:	Final Case Submission

*Inquiries and Submissions can be forwarded **electronically** (Word document) or by **mail** to:*

Dr. Michelle E. Jarvie Eggart

Barr Engineering
2273 Werner St.
Marquette, MI, 49866
Tel: (906)-281-1872
E-mail: meggart@barr.com

Or

Dr. Helen E. Muga

University of Mount Union
Department of Engineering
1972 Clark Avenue,
Alliance, OHIO, USA 44601
Tel: (330) 823-5988, Fax: (330) 823-5856,
E-mail: mugahe@mountunion.edu