



Advances In
**Geomorphic
Reclamation**
at Coal Mine Sites



DOI University
National Indian Program Training Center
Albuquerque, NM

A TECHNICAL INTERACTIVE FORUM AND FIELD TOUR

PROGRAM for Tuesday May 20, 2014

- 7:00am Check-in for FIELD TOUR and FORUM
- 8:00am Welcome
Al Klein, Director, OSM Western Region - Denver, CO
- 8:10am **1st Session: Advances in GeoMorphic Reclamation**
Chairperson: Nick Grant, OSM - Alton, IL
- 8:15am **Developments in Valley Fill Reclamation in Central Appalachia: the Design of Stable and Sustainable Landforms**
Dr. Leslie Hopkinson and Nathan DePriest, West Virginia University - Morgantown, WV
- 8:45am **Assessment of Fluvial Geomorphology Projects at Abandoned Mine Sites in the Anthracite Region of Pennsylvania**
Dennis M. Palladino, P.E., Pennsylvania Department of Environmental Protection - Wilkes Barre, PA
- 9:15am **Design of Stable Concave Slopes for Reduced Sediment Delivery during Geomorphic Reclamation**
Dr. Eric C. Drumm, Isaac Jeldes, Daniel C. Yoder, Dr. John Schwartz, The University of Tennessee - Knoxville, TN
- 9:45am **Assessment of Stream Resources at Regulated Coal Mining Sites in Ohio**
Dr. Tarunjit S. Batulia, P.E., The Ohio State University - Columbus, OH, Robert Baker, Baker Environment Services & Testing, and Cheryl Scotch, Ohio Department of Natural Resources - Division of Mineral Resources Management
- 10:15am **BREAK**
- 10:30am **Examples of Geomorphic Reclamation on Mines Lands in Spain: From Pioneering Cases to the Use of the GeoFluv Method**
José F. Martín Duque, The Department of Geodynamics, Faculty of Geology, Complutense University of Madrid, Spain and Nicholas Bugosh, GeoFluv - Parma, OH

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- 11:00am **Geomorphic Principles Applied to Reclamation at BHP Billiton's Navajo Mine**
Cassandra Brandt, T. Ramsey, L. Raymond, BHP Billiton - Farmington, NM
- 11:30am **ADJOURN TO LUNCH (On your own)**
- 12:30pm **MCKINLEY MINE: A Commitment to Stable Land Forms and Geomorphic Principles**
Kyle Kutter, P.E., Mary Siemsglusz, P.E., Frank Rivera, P.E., Golder Associates - St. Louis, MO, and Scott Motycka, P.E., and David Burris EIT, Golder Associates - San Antonio, TX
- 1:00pm **Topographic Comparison of Traditional and Geomorphic Reclamation Approaches at a Surface Coal Mine in Northwestern New Mexico**
Matt Owens, BHP Navajo Coal Company - Fruitland, NM, C. Brandt and C.K. Applegate, BHP Navajo Coal Company - Fruitland, NM
- 1:30pm **Evaluating Sediment Production from Watersheds at La Plata Mine**
Nicholas Bugosh, GeoFluv - Parma, OH, and E. Epp, BHP Navajo Coal Company - Fruitland, NM
- 2:00pm **Evaluation of Geomorphic Reclamation Performance and Models in the Southwestern United States**
Dr. Mark Stone, J., J. Stormont, C. Byrne, E. Epp, S. Rahman, R. Powell, W. Rider, and S. Perkins, University of New Mexico - Albuquerque, NM
- 2:30pm **BREAK**
- 2:45pm **Geomorphic Reclamation of Abandoned Coal Mines on Vermejo Park Ranch near Raton, New Mexico: Design and Construction Oversight**
Kate Malers, P.E., R. Spotts, P.E., M. Brennan, P.E., R. Wade, P.E., Water & Earth Technologies, Inc. - Englewood, CO, and Z. Isaacson, New Mexico Abandoned Mine Land Program - Santa Fe, NM
- 3:15pm **Geomorphic Reclamation of Abandoned Coal Mines on Vermejo Park Ranch near Raton, New Mexico: Reclamation and Revegetation**
Kenneth E. Carlson, Robin F. Bay, Richard Spotts, P.E., Habitat Management, Inc. - Englewood, CO, Zoe Isaacson, New Mexico Abandoned Mine Land Program - Santa Fe, NM
- 3:45pm **Interactive Panel Discussion**
- 4:15pm **ADJOURN**
- 4:30pm **Training Center Closes**