



Advances In

Geomorphic Reclamation

at Coal Mines

**A Technical Interactive Forum
and Field Tour** May 20-22, 2014





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**Geomorphic
Reclamation**
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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
Joseph Pizarchik, Director, OSMRE
- 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

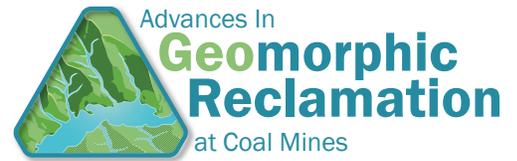
PROGRAM for Tuesday May 20, 2014



- 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 Burriss 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 Billiton Mine Management Company - Fruitland, NM, C. Brandt and C.K. Applegate, BHP Billiton Mine Management 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 or Q&A Session**
- 4:15pm **ADJOURN**
- 4:30pm **Training Center Closes**

FIELD TRIP - Title V (Active)

for Wednesday May 21 - Thursday May 22, 2014



****DEPARTURE and RETURN will be from the HOLIDAY INN in Albuquerque****

Travel will be provided with 15-passenger vans. **Luggage space will be limited** so only **one overnight bag** will be allowed. Persons may provide their own transportation and maps will be provided but registration cost will not be reduced.

Wednesday May 21st

6:00am Breakfast (On your own)
7:00am **Depart Holiday Inn (Albuquerque, NM)**
10:30am Arrive **Navajo Mine**
1:00pm **Lunch break (Box lunch)**
1:30pm Depart Navajo Mine; Travel to San Juan Mine
3:00pm Arrive **San Juan Mine**
6:00pm Depart San Juan Mine for Farmington, NM
6:30pm **Arrive Comfort Inn Hotel in Farmington, NM**
7:00pm Dinner (On your own)

Thursday May 22nd

7:00am Breakfast (On your own)
8:00am **Depart Farmington, NM**
11:30am Arrive **El Segundo Mine**
12:00pm **Lunch break (Box lunch)**
2:30pm Depart for Albuquerque, NM
5:00pm **Arrive Holiday Inn Albuquerque, NM**

This completes the Field Trip portion of the forum for the Title V (Active).

You are on your own from here!

FIELD TRIP - Title IV (AML)

for Wednesday May 21 - Thursday May 22, 2014



****DEPARTURE and RETURN will be from the HOLIDAY INN in Albuquerque****

Travel will be provided with 15-passenger vans. **Luggage space will be limited** so only **one overnight bag** will be allowed. Persons may provide their own transportation and maps will be provided but registration cost will not be reduced.

Wednesday May 21st

6:00am Breakfast (On your own)
7:00am **Depart Holiday Inn (Albuquerque, NM)**
10:30am Arrive **Sugarite Canyon Mines**
1:00pm **Lunch break (Box lunch)**
2:30pm Depart Sugarite Canyon Mines; Travel to Swastika Mine/Dutchman Canyon
3:00pm Arrive **Swastika Mine/Dutchman Canyon (Raton, NM)**
5:00pm Depart Swastika Mine/Dutchman Canyon for Raton, NM
5:30pm **Arrive Quality Inn Hotel in Raton, NM**
6:00pm Dinner (On your own)

Thursday May 22nd

7:00am Breakfast (On your own)
8:00am **Depart Quality Inn Hotel in Raton, NM**
8:30am Arrive **Yankee Canyon**
10:30am Depart Yankee Canyon
12:30pm **Arrive Las Vegas, NM for Lunch**
1:30pm Depart Las Vegas, NM
3:30pm **Arrive Holiday Inn Albuquerque, NM**

**This completes the Field Trip portion of the forum for the Title IV (AML).
You are on your own from here!**