



Advances In

Geomorphic Reclamation

at Coal Mine Sites

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

Albuquerque, New Mexico





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

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 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**

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 **Swastika Mine/Dutchman Canyon** (Raton, NM)
1:00pm **Lunch break (Box lunch)**
2:30pm Depart Swastika Mine/Dutchman Canyon; Travel to Sugarite Canyon Mines
3:00pm Arrive **Sugarite Canyon Mines**
5:00pm Depart Sugarite Canyon Mines 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!**

REGISTRATION FORM

**Advances in Geomorphic Reclamation at Coal Mines:
A Technical Interactive Forum - May 20-22, 2014**

Organized by: The Office of Surface Mining Reclamation & Enforcement
Forum Location: DOI University/National Indian Program Training Center,
1011 Indian School Road, NW, Suite 254, Albuquerque, NM 87104

NOTE: Please complete a separate registration form for each person; photocopies are accepted. Registration may be limited based on space availability. Registration should be received by April 25, 2014 but may be accepted up to the date of the forum based upon availability of space and transportation.

Name: _____ Badge Name (if different): _____

Organization: _____

Address: _____

City: _____ State: _____ Zip: _____

Day Phone: _____ Evening Phone: _____

Fax: _____ Email: _____

Field Trip Selection - must select only one of the following if you plan to participate:

Active Mining Title V (Overnight in Farmington, NM – May 21) – Initial here: _____

AML Site Title IV (Overnight in Raton, NM – May 21) – Initial here: _____

****Participants planning to provide their own transportation on the field trip need to contact Duane Matt at (303) 293-5072 or dmatt@osmre.gov. Please initial here:** _____

PAYMENT INFORMATION

Registration Fee – **Participant Forum & Field Trip: \$160.00**
(U.S. funds only by check, purchase order or major credit card)

Check #: _____ (Make check payable to SIU Carbondale)

VISA MasterCard Discover American Express

Card #: _____ Exp Date: _____

Name on the Card: _____

Billing Address: _____

Email (for receipt): _____

Cancellation/Refund Policy: Registration fees will not be refunded on requests received after April 25, 2014.

Return form and payment to: Continuing Education and Outreach
Geomorphic Forum
1255 Lincoln Drive, Mail Code 6705
Southern Illinois University
Carbondale, IL 62901
(or FAX to 618-453-5680)

HOTEL REGISTRATION:

All participants must register themselves for hotels in Albuquerque and for the field trip of their choice in Farmington or Raton.

**Register online via
secured website at
www.dce.siu.edu**

Click on 'Conferences'

Register by phone (618-536-7751) with a credit card.

Direct **registration** questions to Pat Eckert (618) 536-7751 or peckert@siu.edu

Direct questions on **content of forum** to Nick Grant (618) 463-6463 ext 5148 or ngrant@osmre.gov

Direct **field trip** questions to Duane Matt (303) 293-5072 or dmatt@osmre.gov

**Advances in Geomorphic Reclamation at Coal Mines:
A Technical Interactive Forum – Albuquerque, NM - May 20-22, 2014
LODGING INFORMATION**

Lodging arrangements are the responsibility of the participants. Reservations are to be made directly with the hotel. Please refer to the **OSM Geomorphic Forum** room block when making a reservation at the host facility.

HOTEL AGENDA:

Monday May 19 – Holiday Inn Express - **Room Block Released April 18, 2014**

Tuesday May 20 – Holiday Inn Express - **Room Block Released April 18, 2014**

Wednesday May 21 – Title V Field Trip Comfort Inn Hotel in Farmington NM - **Room Block Released May 1, 2014**

Wednesday May 21 – Title IV Field Trip Quality Inn Hotel in Raton NM - **Room Block Released April 1, 2014**

Thursday May 22 – 3-5 PM Return to Holiday Inn in Albuquerque NM

Make Hotel Reservation on your own in Albuquerque or Depart for Home

Friday May 23 – Any left in Albuquerque, NM Depart for Home

FORUM HOTEL – Event rate: \$83 + tax

May 19 & 20, 2014

Holiday Inn Express

2300 12th Street NW

Albuquerque, NM

505-842-5000

Within walking distance- to the NIPTC

Please use this link (<http://www.hiexpress.com/albuquerquenw>) when making your reservations at the Holiday Inn; note that Group Code is "SMR"

ACTIVE MINING TITLE V FIELD TRIP HOTEL – Event rate: \$80 + tax

Farmington, NM

May 21, 2014

Comfort Inn

555 Scott Ave Farmington, NM 87401

(505) 325-2626

AML SITE TITLE IV FIELD TRIP HOTEL – Event rate: \$80 + tax

Raton, NM

May 21, 2014

[Quality Inn Raton](#)

533 Clayton Rd Raton, NM, 87740

(575) 445-4200

In order to avoid a penalty fee of one night's room and tax, reservations must be cancelled 24 hours prior to the date of arrival. Individuals are responsible for payment and cancellation. Hotel room rates are subject to applicable State and local taxes in effect at the time of check in.

EXHIBITOR INFORMATION

Exhibits will not be available for this event.