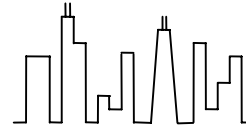


CHICAGO SECTION NEWSLETTER

January 2006

Newsletter of the Chicago Section of the Society for Mining, Metallurgy, and Exploration, Inc. - Founded Spring 1987 - www.chicagosme.org



MEETING: Thursday, February 2, 2005

Topic: "DPM Crossfire: Diesel Particulate Matter Regulation -
From Industry and MSHA Perspectives"

Guest Speakers: John Head, Continental Placer and
Bill Pomroy, MSHA
George Saseen, MSHA



Time: 5:15 PM Social Hour
6:00 PM Dinner *Please - We need advance reservations.*

Place: *Back to an old Venue* - RAMADA INN at Burr Ridge
300 South Frontage Road, Burr Ridge, IL. 630-325-2900

Directions: *From I-55:* Exit # 276A - County Line Road South, go to the first traffic light
Turn Right, then the road turns an immediate right; follow the road
around until you are parallel to the freeway, past the Extended Stay America.
The Ramada will be another 150 yards ahead on the left.
From I-294: Exit on I-55 Westbound. County Line Road will be the next exit
From I-88 & I-355: Exit to I-355 southbound, go to end of freeway at I-55
Head east toward Chicago: County Line Road is just east of Kingery
Highway (IL # 83)

Menu: Service will be restaurant style, with *your choice of two entrées:*

Chicken Marsala, Breast of chicken sautéed with sweet marsala wine, fresh sliced
mushrooms, beef stock and herbs

Atlantic Salmon, Grilled and served with lemon dill beurre blanc sauce

Dinner will include an appetizer, salad, vegetable, potato or rice and dessert.

A vegetarian plate is available on request.

Cost: \$25 for dinner/meeting for Members, \$30 for Non-Members. Science teachers or professors
are considered guests of the Section and will get dinner free. Student's dinners are only \$5.
If you are coming RSVP; **PLEASE**. Call or e-mail either
Gordie Stevens of Civil & Environmental Consultants at 630-963-6026 gstevens@cecinc.com
Rick Ackermann at 630-740-4863 rackermannaz@yahoo.com

From the Chairman:

Here's a quick note to touch bases with all of you before the next meeting. Just recently, I was thinking about the upcoming National Engineering Week, which is February 19th through the 25th. I remember attending the Engineering Week functions in Chicago a few years back. Big turnouts. Lot's of engineering firms on display discussing their wares and expertise...recruiting...a big affair. The last few turnouts have been lean, to say the least. Where has all the interest in engineering gone? The Chicagoland area will once again celebrate engineering week this year with several functions in the region. Do a web search and find something of interest. Then let's take the time to try to attend one or a few of them and support our engineering community-
Gordie



From the Program Chairman

At This Meeting:

**John Head, Continental Placer
Bill Pomroy, MSHA
George Saseen, MSHA**

“DPM Crossfire: Diesel Particulate Matter Regulation - From Industry and MSHA Perspectives”

A Brief Synopsis:

Bill Pomroy and George Saseen of MSHA and John Head of Continental Placer Inc. will discuss the metal/nonmetal DPM regulations. This pits strong proponents of the regulations against one its most outspoken opponents. Expect to hear of the genesis of the rule back in the early coal days, through the ram-rodding of the present rule on the last day of the Clinton Presidency.

MSHA subsequently published a final rule on January 19, 2001. This final rule was subsequently challenged by several mining companies and mining industry organizations, and the United Steelworkers of America (USWA) intervened in the litigation. As a result of on-going settlement negotiations with the litigants and the USWA, and as partial settlement agreements were reached with the parties, the effective dates of certain provisions of the final rule were delayed, certain provisions were stayed, and other provisions were changed.

What does it mean to you? Just like California started the EPA clean air regulations, MSHA has gone it alone in regulating diesel exhaust in the workplace.

This presentation will summarize the rule's history, outline the provisions that are in effect at this time, and discuss various DPM control strategies that have been successfully used by mine operators in their attempts to achieve compliance.

The Speakers

John Head, mining consultant with **Continental Placer Inc.** here in Wheaton, has been involved in the mining industry

response to the DPM study from its inception in the late 80's. He has been the leading industry expert responding to various stages of the rule making process, specifically dealing with the technical and economic feasibility of compliance with the proposed MSHA diesel particulate rules. He has represented the mining industry on behalf of several trade associations and mining companies.

Bill Pomroy of MSHA is a former Bureau of Mines safety engineer with extensive experience in mine ventilation. Currently he is serving as Staff Assistant, MSHA District Office, Duluth, MN. Pomroy is the lead engineer in charge of Compliance Assistance to industry for DPM regulation.

George Saseen is with the MSHA Certification and Approval Center at Tridelpia, WV. He is an applications engineer with extensive experience working with particulate filters and clean burning diesel engines.

The Last Meeting

David Pitchford, Senior VP for MMD Mineral sizing talked about size reduction for mineral products inside the constrains of 3 dimensions, as opposed to the two dimensional crushing machines. They have taken the concept of a “double roll crusher” used generally in soft material and elevated it to a high volume hard rock “sizer”. MMD uses a series of rotating arms on parallel shafts that create a crush + shearing action to break the rock. MMD builds sizers with a capacity from 300 to 6000 TPH, plus the apron plate feeders to match the sizer.

This system had success in soft minerals such as coal and gypsum, but use in hard rock was limited until the company made a series of technical improvements which enabled the new machines to handle hard rock applications. The improvements were in four areas: (1) forgings replaced most castings, (2) bolts and pins were eliminated by fully welding the components, (3) an improved quality control program for all welds and components, and (4) improved outboard bearings. The move to outboard bearing allowed MMD to raise the horsepower of the machines to break harder materials, and reduce the wear costs by up to 75%.

The MMD website describes the machines and applications in limestone and other materials. The link is

<http://www.mmdsizers.com/index.html>

By the Editor

Looking for Speakers -- Next Winter and Spring:

The Chicago SME is in the process of scheduling speakers for the end of this year and all of next year. If you have a subject you are interested in hearing presented, know of someone you would like to have speak to our group, or would like to give a talk yourself, please contact our program chair, **Frank Kendorski** at **630-792-1520**

e-mail him at frank@agapito.com.

Or talk to any of our executive committee; Gordie Stevens at 630-963-6026
John Head at 630-407-0800 x 103
Steve Tivy at 847-741-2590
Rick Ackermann at 630-740-4863

Upcoming speakers :

February 22: Our own **John Magyar**, of International Mining Services has been involved with the reopening of the Turquoise Ridge Mine near Winnemucca, NV. He will be talking on some of the startup problems, with emphasis on ground control problems which resulted in a shaft failure and the Minova backfill repair which stabilized the ground.

UPCOMING MEETINGS & EVENTS

For your schedules

SME Annual Meeting and Exhibit & 7th Annual International Conference on Acid Rock Drainage

**March 27-29, 2006
St. Louis, Missouri**

AGGREGATE SESSIONS

The SME's Construction Materials and Aggregates Committee (CMAC) is putting on a strong program at the SME Annual

Meeting. There will be four sessions directly under CMAC:

Monday, March 27, 2006 2 pm: **Resource Evaluation and Planning:** Session on market research and economics, chaired by Mark Zdunczyk of Continental Placer, Inc.

Tuesday, March 28, 2006 – 9 am: **Underground Mining in an Urban Environment:** Session on underground mining in an urban environment, chaired by Bill Warfield of Atlas Copco.

Tuesday, March 28, 2006 – 2 pm: **Health & Safety Compliance Puzzles for Aggregates:** Session on safety and health issues for the aggregate industry, chaired by Mark Savit of Patton Boggs.

Wednesday, March 29, 2006 – 9 am: **Automated Process Control for Aggregates:** Session on plant design, chaired by Steve Lenker of NSSGA

Details of the authors and the topics of their talks will be in next month's newsletter.

For more information registration, see the SME link at:

<http://www.smenet.org/meetings/AnnualMeeting2006/index.cfm>

The MSHA Starved Rock Safety Conference

The 15th Annual MSHA Spring Thaw/State Grants Conference will be held at Starved Rock State Park Lodge March 7-8, 2006. Registration begins at 12 noon with the conference opening at 1:00 p.m. The \$30 conference fee includes all training, breaks, continental breakfast and lunch on Wed., plus an evening reception.

John Head of Continental Placer will be talking about Underground Stone Mine Safety at the Illinois DNR-MSHA-IAAP joint safety conference at Starved Rock on March 7th. The conference itself is a two-day affair.

For more information contact Art Rice or Mary Jane Summers, Illinois Dept. of Natural Resources, Mine Safety and Training Program, in the Benton office at 618-439-9111, ext. 228 or 237.

NSSGA 2006 Annual Convention March 8 - 12, 2006 Tampa, FL

**Schedule includes
Crystalline Silica Legal Symposium**
(Separate \$250 registration fee required)
March 10th

**Going Underground Seminar;
How, Why, When & Where**
March 10th
Headed by **Bob Archibald**

For more information -
Online:

http://www.nssga.org/calendar/2006_Convention/

or

Phone NSSGA: 703-525-8788

For your Calendars

**Illinois Association of
Aggregate Producers**

**IAAP Annual Convention
May 18, 2006**
At the
**Crowne Plaza Hotel
Springfield, Illinois**

**For more information call:
(217) 241-1639**

NEW SME MEMBERSHIP CATAGORY

Editor's Note: A quote from the related news release: "This membership option was developed in response to members who need such an affiliation in order to perform specialized functions related to reserve estimation and reporting." The letter from the SME President explaining the new membership class follows.

Dear SME Member,

It has been a long time coming, and the Registered Member category of membership in SME is now a reality. The Press Release issued yesterday is posted on the SME website:

<http://www.smenet.org/membershipSQL/registeredMemberPressRelease.cfm>

You can change your membership status at any time by going to:

http://www.smenet.org/memapp/member_app.cfm It's simple; I just did it online in less than 5 minutes.

To qualify as an SME Registered Member, you must present your degree from an accredited university or recognized overseas university plus 5 years of professional experience, at least 3 of which must have been in a position of responsibility. You will also need to present three endorsements from SME Registered Members. During 2006, the Registered Member endorsements can be waived providing you present evidence that you are licensed or certified in a state that is a member of the National Association of State Boards of Geology (ASBOG), certified as a professional geologist by the American Institute of Professional Geologists (AIPG), licensed as a professional engineer in any state, or a member in good standing of a Recognized Overseas Professional Organization.

During 2006, if 3 SME Registered Members are not available to you for endorsement, you may present 3 endorsements from individuals who meet the preemptive qualifications referenced above (i.e., licensed or certified engineers or geologists).

This category is established on the premise that applicants will present their qualifications and experience in their respective disciplines of expertise and providing they meet the minimum requirements stated above and are willing to be bound by the enforceable Code of Ethics that is stated on the Membership Application form, they may be recognized as an SME Registered Member.

While the Press Release focuses the new category relevance to individuals who wish to perform specialized functions related to Reserve estimation and reporting, be aware that the Registered Member category is not exclusively for those who estimate and report reserves. It is for any qualified SME

Member who would like to obtain the added recognition as a Registered Member in their respective areas of expertise.

Please understand that SME is not yet a Recognized Overseas Professional Organization (ROPO). The new membership category and Code of Ethics had to be established and in place before we can gain recognition as a ROPO (the chicken and egg thing). SME has already engaged in discussions with exchange regulators in the USA, Australia, Canada, South Africa and Chile, where such recognition is expected and/or required. Now that our new membership category is in place, we see nothing to get in the way of gaining their recognition. Keep an eye on the SME website for updates on the status of SME recognition by the international securities regulators. Our goal is to be recognized as a ROPO by all governing entities that have a program for reporting reserves as quickly as possible.

Best regards for the New Year,

Barbara A. Filas, P.E.

2005 SME President

The PIE & GEM Committees

IAAP Teacher's Workshop

The IAAP workshop is still looking for sponsors and specimen donations for next summer workshop. Contact the IAAP or our GEM coordinator **Anne Leslie** at 708-583-9290 or e-mail rdcdri@rdc-drill.com

FREE PUBLICITY !

If you have any company open house announcements, public events, scholarship programs, etc, SME would be happy to print something here - for free. Contact Rick Ackermann at 630-740-4863 or via e-mail at rackermannaz@yahoo.com.

MEMBER NEWS

Frank Kendorski Appointed to NIOSH Mine Safety Review Panel

Frank Kendorski of Agapito Associates, Inc., has been appointed to the National Academies' Committee to Review the NIOSH Mining Safety and Health

Research Program. The Committee kicks off with a meeting with Academy and NIOSH officials in Washington, DC, in January, followed by meetings with NIOSH Officials in Pittsburgh and Spokane at NIOSH Laboratories. The Committee is formed from a broad spectrum of persons from academia, industry, labor, engineering, and safety and health organizations.

Information provided by Frank Kendorski

Four Chicago SME Members to Receive 25 Year Membership Pin

Chicago SME members Douglas L. Gerner, H. John Head, Roy Teifeld, and Edward C. Warner, Jr. all will receive their 25 Year SME Membership Certificates (and lapel pins) this January. The pins and certificates will be mailed directly to the members in January by the SME.

Congratulations to these four who have loyally supported our professional society for over 25 years!

Information provided by Gordie Stevens

NEWS TO USE

Illinois DNR Mines & Minerals Office in Ottawa Closes Temporarily - But the Inspectors are still there

The Department of Natural Resources, Office of Mines & Minerals has closed the Ottawa Illinois office. The inspectors from that office will still be available around the Ottawa area, to do the work they have been doing, while they anxiously await the move to a new office. The plan is to open at another location in the Ottawa area in the next few months. Meanwhile, the inspectors may be reached at these numbers:

Rob Farabaugh	815/488/5408
Linda Hiltabrand	815/481-2201
Myron McCaskey	815/488-5410
Barry McCauley	815/488-5409

If there is an emergency or you cannot reach your inspector, please call the Springfield office at 217-782-9976.

Information provided by Linda Hiltabrand

Two References for Your Use...

USGS Mineral Commodity Summaries 2006: Stone (Crushed) Sand & Gravel (Construction)

A link to the USGS Mineral Commodity Summaries 2006 publication is now available at URL:

<http://minerals.usgs.gov/minerals/pubs/mcs/>

Published on an annual basis, this report is the earliest Government publication to furnish estimates covering non-fuel mineral industry data. Data sheets contain information on the domestic industry structure, Government programs, tariffs, and 5-year salient statistics for over 90 individual minerals and materials.

Directory of Principal Crushed Stone Producers

A link to the USGS publication "Directory of Principal Crushed Stone Producers in the United States in 2004" is now available at URL:

http://minerals.usgs.gov/minerals/pubs/commodity/stone_crushed/

For BOTH References

You can subscribe to e-mail notification of USGS Minerals Information publications at the URL given below. There are several hundred choices - by commodity, state, country, industry group and more.

Information on these services is available at URL:

<http://minerals.usgs.gov/minerals/pubs/lists/erivces.html>

If you need more information, the USGS contact is Robert Callaghan at e-mail address "**Robert M Callaghan**" <rcallaghan@usgs.gov>

Information courtesy of the U.S. Geological Survey, Minerals Information Team
<http://minerals.usgs.gov/minerals/>

2005-2006 Chicago Section SME Officers

Chairman	Gordie Stevens Civil & Environmental Consultants, Inc. Downers Grove, IL 630-963-6026 Fax 630-963-6027 gstevens@cecinc.com	GEM Coordinator	Anne Leslie Raimonde Drilling, Inc. Chicago, IL 708-583-9290 Fax 708-583-9491 rdcdrill@rdc-drill.com
Vice-Chairman	John Head Continental Placer, Inc. Wheaton, IL 630-407-0800 x 103 Fax 630-407-0799 jhead@continentalplacer.com	Newsletter Editor	Rick Ackermann Conco Western Stone. North Aurora, IL 630-740-4863 Fax 630-892-1153 rackermannaz@yahoo.com
Secretary	Steve Tivy Boncosky Oil, Inc. Elgin, IL 847-741-2577 Fax 847-741-2590 svtivy@comcast.net	Website Coordinator	Sarah Schlichholz Continental Placer, Inc. Wheaton, IL 630-407-0800x109 Fax 630-407-0799 sschlic@continentalplacer.com
Treasurer	Brad Renwick Civil & Environmental Consultants, Inc. Downers Grove, IL 630-963-6026 Fax 630-963-6027 brenwick@cecinc.com	Program Chairman	Frank Kendorski Agapito Associates Lombard, IL 630-792-1520 Fax 630-792-1580 frank@agapito.com
Membership	Open	SME Section Representative	John Magyar International Mining Services Belvidere, IL 815-547-9211 Fax 815-547-8552 imsjjm@aol.com

SME Chicago Section Membership Dues Form - NOTE: You do not need to be a national member to join the local section. To become a member of SME at the national level, please join at www.smenet.org or get an application from Gordie Stevens.

NAME: _____

AFFILIATION: _____

ADDRESS: _____

E-MAIL: _____ @ _____

DAYTIME TEL. NUMBER: _____

SPONSOR'S NAME: _____

STUDENT _____ RETIRED _____

Make Check for \$20.00 (\$10.00 for Student or Retired) out to "Chicago Section – SME" and mail to: Brad Renwick, Treasurer, Chicago Section of SME, Civil & Environmental Consultants., 3041 Woodcreek Drive. Suite 210, Downers Grove, IL 60515

**NEXT MEETING
Thursday, February 2, 2006**

**“DPM Crossfire: Joint MSHA & Industry Presentation on
Diesel Particulate Matter Regulations”**

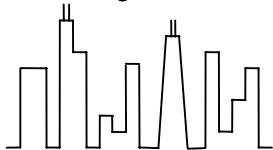
**John Head, P.E., CPI Mining Consultants
with
Bill Pomroy, MSHA
and
George Saseen, MSHA**

**At the
Ramada Inn at Burr Ridge:
300 South Frontage Road, Burr Ridge, IL.**

Rick Ackermann
Newsletter Editor, Chicago Section SME
464 Waubensee Circle
Oswego, IL 60523

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