



American Institute of Professional Geologists Michigan Section

August 2010

From the President's Desk

As I started to draft this article, I struggled to think about what topic to focus on for this newsletter. What should I cover: the recent field trip to Upper Peninsula; pending changes to environmental regulations that affect approximately 2/3 of our membership; MDNRE reorganization; professional licensure; golf outing; future Section meetings, which are all very important issues and worthy of being highlighted to the Section members. Fortunately, I realized that some of these topics would be covered by the other members of the Executive Committee, therefore I decided to comment on only a couple of items and/or provide a high level summary of these topics in the hope that you read the rest of the newsletter to get additional details.

I believe Adam will be providing a summary of the field trip recently completed in July along with the Section support to keep one of stops accessible for public access (believe a good time was had by all). Larry Austin will be recognized at the 2010 Annual Meeting in Orlando for his ongoing contributions to the organization as a recipient of the Award of Honorary Membership. Congratulations Larry!

If you didn't know, approximately two thirds of our members are directly employed in the environmental profession. As I write this article, several bills are pending approval in the Senate that will make substantive changes to PA201 and related regulations, which could affect our industry and get some real change in PA 201 (though not as much change as the various parties would like to have seen, but it is a start in the right direction). It has been interesting to sit on the sidelines and watch the political process work as these bills have progressed from the various committees to a full vote by the Senate that is expected to occur this week (week of August 16th). Money, of course, is the driving factor for passage, as various parties are trying to leverage bond money related to sewer upgrades to support various State agencies that have no or inadequate budget for the remainder of 2010 or 2011. There is also talk of extending the 7/8 cent tax on gasoline

that is still being used to fund the underground storage tank (UST) program and plug holes in other budgets. On top of the potential changes in the regulatory structure, the Michigan Department of Natural Resources and Environment (MDNRE) is still in a transition process as staff are appointed to various positions within the group and/or electing to retire. Fortunately, the guest speaker at the next Section meeting is well informed on the regulatory and staff changes at the MDNRE and will be sharing the latest news with our membership. I am expecting a strong turn-out for the golf outing that was rescheduled for the 17th, and I am sure the weather will be more cooperative this time around.

Fall is rapidly approaching, which means it is time for our kids to return to school/college. It also means it is time to remind your children's teachers or teachers that you may be acquainted with that AIPG has educational grants available to support projects related to the earth sciences. I would also like to remind the Section members that there are several other award categories available for nomination. Details on the awards and grant program are available on the Section website. On a related topic, the environmental industry has continued to downsize, but there are a few firms out there hiring staff, consequently, the website and newsletters have begun hosting links/references to open positions available to qualified applicants.

On a more somber note, I would like to extend my condolences to family and friends of Oladipo "Dipo" Oyinsan, who recently passed away. Dipo was formerly a Southeast MDNRE District Supervisor.

Jason Lagowski, CPG – 2010 Michigan Section President

Section Officers Reports

President: Information presented in the "From the President's Desk" article above.

Vice President: No Report.

Treasurer: Our finances are in excellent standing. Our March quarterly meeting, held on the Campus of

CMU, co-hosted by the CMU student chapter earned the student chapter approximately \$250 in funds. The second quarterly meeting, held at Weber's in Ann Arbor was successful in generating a small amount of money for the section. The funds earned from our CDs will again support our educational award for the 2010-2011 School Year.

The Michigan Section has made a donation of \$250 to the Florida Section in support of this year's annual meeting.

Secretary: The Michigan Section Executive Committee met on May 27, 2010 at the Weber's Inn, Ann Arbor, Michigan prior to the regular Section meeting. Meeting attendees included: Jason Lagowski, Don Conway, Dawn Prell, Adam Heft, and John Barkach (Secretary). During our meeting we discussed the schedule for the annual field trip in July, the upcoming golf outing in August, the Treasury's report, the upcoming National AIPG Meeting, educational grants, and expanding student participation at other Universities. With respect to upcoming presentations, Jason Lagowski reported that Sara Pearson had made arrangement to have Lynelle Marolf speak on September 23, 2010 in Lansing. Ms. Marolf will discuss the status of MDNRE reorganization and SB437, MDNRE 2011 FY funding, and the status of draft Operational Memoranda. The Executive Committed also discussed other potential presentations topics that will be consider for upcoming AIPG-Michigan Section meetings include: groundwater/surface water interface issues and practical aspects of sediment cleanup and case studies. The Annual Meeting is scheduled for December 2, 2010 in Grand Rapids, Michigan.

The May 27, 2010 Section meeting was well attended. Featured Speaker: Mr. John Barkach, Great Lakes Environmental Center presented: "An Overview of Part 201 Operational Memorandum 4, Attachment 3: Sediments." The presentation included a discussion of:

- MDEQ Operational Memorandum #4, Attachment 3, Sediments
- Sediment sampling and testing considerations
- Industry comments to this Operational Memorandum
- Differences of approach to contaminated sediment assessment in Michigan, MDEQ, USEPA, and USACE

The presentation was held at the Weber's Inn in Ann Arbor, Michigan. A total of 43 people attended the presentation.

Coming Events

September 23, 2010: AIPG Section Meeting: "The State of Michigan's Environmental Regulations" by Lynelle Marolf, from Michigan Department of Natural Resources and Environment.

Location: Guerrazzi's Restaurant, Lansing.

Dinner: Buffet style, choice of beef, chicken, or pasta, with choice of potato, salad, vegetable, hot bread and butter, and desert.

Schedule: Cash Bar 5:30-6:30 PM, Dinner 6:30 PM, and Speaker 7:30-9:00 PM.

Cost: Students free, Members \$35.00, Non-members \$40.00.

RSVP by September 20, 2010: RSVP to John Barkach at jbarkach@glec-tc.com. Notice by e-mail is preferred, and please include AIPG in the subject line. John can also be reached at (248) 489-0900.

September 11-15, 2010: 47th Annual AIPG National Meeting, to be held in Orlando, Florida. Full details will be available on the AIPG website at: www.aipg.org, and in upcoming issues of TPG.

September 25-29, 2010: AAPG Eastern Section Meeting, co-sponsored by the Michigan Basin Geological Society and the Michigan Geological Repository for Research and Education. A copy of the Call for Papers flyer is attached to this newsletter. Field trips being planned as part of the meeting include:

- Pennsylvanian Stratigraphy of Grand Ledge, Michigan
- The F3 Salt of the Michigan Basin, Detroit Salt Company, Detroit, Michigan
- The Kentland Impact Structure, Indiana

Information on these trips is being added to the www.mbgs.org website as it becomes available.

December 2, 2010: AIPG Annual Michigan Section Meeting: Details Forthcoming.

National Secretary Commentary

The most recent meeting of the National Executive Committee was held on June 12, 2010 in Denver. The day before the meeting was a field trip with the Colorado Section to the Cripple Creek & Victor Gold Mining Company open pit. Photographs from the field trip are available for viewing on National's website.

The meeting itself covered the usual officer reports and some committee reports. A white paper on the future roles of State Geological Surveys was discussed; most of the necessary interviews with the State Geologists have been completed, and a draft document is being prepared. National awarded eight students with a total of \$8,000 in student scholarships.

This year's annual meeting will be held in Orlando, Florida in September. Details are on the National

website, and were in the May/June issue of TPG. The 2011 meeting will be held in Bloomingdale, Illinois and the 2012 meeting will be held in Rapid City, South Dakota. Plan to attend one or more of these meetings, as they are a good opportunity for networking.

As always, if anyone has any comments or concerns that they would like presented to the National Executive Committee, please feel free to send them to me, and I'll take them to the meetings. If you prefer, I can make the comments anonymous. Please speak up; this is your chance to provide input directly to the national executive committee. Both compliments and criticisms are welcome.

Adam Heft, CPG –Michigan Section Newsletter Editor and 2010-11 National Secretary

MDNRE Notable News...

- Remediation and Redevelopment Division officially becomes the Remediation Division on July 26, 2010.
- Lynelle Marolf is named the Division Chief of the Remediation Division.
- Michigan Legislature Moving Toward Amending Environmental Cleanup and Securing Funding Source

Both the House and Senate have pending legislation calling for amendments to Part 201 of the Natural Resources and Environmental Protection Act (PA 451), as amended. House Bills HB 6358, HB 6359, HB 6360, HB 6361, HB 6362, and HB 6363 were introduced in the House on July 28, 2010 and referred to the Committee on New Economy and Quality of Life. The amendments are calling for changes to Part 201 that include no further action for sites, formation of a response activity review panel, redefines a "facility," changes in civil fines, and reporting and inventorying of sites by the department. For an in depth review of the proposed bills, links are provided on our Michigan Section website. Senate bills SB 1436, SB 1442, and SB1443 are tie-barred to some of the House bills. The Senate bills would shift some of the clean water bond funding away from sewage treatment projects to remediate non-point source contamination related to Part 201 sites. The Senate bills have been scheduled for review on August 18, 2010 by the Natural Resources and Environmental Affairs Committee.

Senate Bills SB 437, SB 1345, SB 1346, SB 1347, SB 1348, and SB-1349 are also gaining some momentum and include content similar to the amendments in the House bills. The senate bills also call for amending Part 201 to include provisions for a Response Activity Review Panel, exempt a person from liability for environmental contamination

upon approval of a no further action report, and changes in specific property transfer and baseline environmental assessment regulations. This package of Senate bills passed roll call on August 17, 2010. Links to the Senate Bills are also included on the Michigan Section website for review of the documents in greater detail.

Opportunity for Licensure

In addition to amending the Part 201 environmental regulations, the proposed bills also call for certification of "no further action" reports by professional engineers or professional geologists. If this language remains in the bills, this is our opportunity as an organization to seriously promote the licensure of geologists in Michigan and get our professional licensure bill passed. Now is the time to write to your representatives and let them know how important licensure of professional geologists will be if this new legislation is passed. The executive committee will be sending a letter to our legislators in the coming weeks requesting their consideration of professional licensure for geologists that would be tied to the amendments.

Sara Pearson, CPG 10650 Michigan Section Past President

Michigan Section Summer Field Trip

The 2010 Michigan Section summer field trip was held July 23 and 24 in Michigan's Upper Peninsula. Activities actually began the evening of the 22nd with an informal mixer at the Ramada Inn in Marquette. Trip participants spent an hour or two renewing friendships or getting acquainted with others.

Friday morning saw the 30 trip participants caravan from the hotel to the first stop location, which was the Kennecott core facility. There, Kennecott representative Andrew Ware gave a short presentation on the proposed Eagle Mine, and then attendees had a chance to view drill core of the ore.



Field trip participants examining core for the proposed Eagle Mine at the Kennecott core facility. Photograph courtesy of Adam Heft.

After the core facility, the next stop was at Jasper Knob, where everyone had a chance to view the excellent exposures of highly deformed banded iron formation. The top of the knob provided a good view of the city of Ishpeming, and an opportunity for a group photograph.



Group photograph of the field trip participants at Jasper Knob, Ishpeming. Photograph courtesy of Adam Heft.

From Jasper Knob, everyone headed over to the Cliff Shaft Mining Museum where they had a chance to view mining exhibits, tools, equipment, and, of course, rocks. The tour included a walk through one of the mining tunnels to a point over the sealed central shaft.

Following the mine museum tour, everyone enjoyed lunch in the park across the street before heading back over to the Rio Tinto office next to the museum. There, we were shown a presentation on the proposed Eagle Mine, information on the rehabilitation of the Humboldt Mill, upgrades to infrastructure, and how the company is working with the local community.

From the Rio Tinto office, participants headed back toward Marquette to view pillow basalts of the Mona Schist behind Menards. This outcrop was exposed about 10 years ago during construction activities, and shows well defined pillows with chill margins.

The last stop of the day was on Mt. Mesnard on the south end of Marquette. The rock exposures on the mountain were of the Mesnard Quartzite, which showed evidence of glacial scour features and chatter marks. The stop also provided a great view of Marquette and Lake Superior.

The second day's activities kicked off in Presque Isle Park. The first location was near the northeast tip of the park where the Jacobsville Sandstone outcropped. A three-foot wide "bleached" zone bordered a fracture in the rock, extending into the water. While at this location, participants were able

to watch a freighter being loaded with taconite pellets at the ore dock across the harbor. A second stop within the park afforded a view of serpentinized outcrops of Mona Schist along Lake Superior.



Trip participants spent time examining the cross-cutting relationships of the serpentinized Mona Schist and intrusive dikes at the Lighthouse Point location in Marquette. Photograph courtesy of Adam Heft.

From the park the next stop was at Lighthouse Point, where the Mona Schist is intruded by three different dikes and is cut by faults. In spite of being caught in a rain shower, some of the young (and some not so young) trip participants were amused by being able to stand with one foot on different intrusive rocks, and realizing that the difference in their age was over a billion years.

Having finished with the stops in the Marquette area, we headed east to the Munising area to see Munising Falls and then Miner's Castle. While at the overlook at Miner's Castle, trip participants were treated to seeing a bald eagle swoop across their view and perch in a tall White Pine.



Several of the young trip participants burned off their extra energy at the end of the day by climbing the dune by Sable Falls on the shore of Lake Superior. Photograph courtesy of Adam Heft.

The final stop of the day was at Sable Falls near Grand Marais. After viewing the falls, everyone

walked the trail out to the beach on Lake Superior. In addition to getting their feet wet in the lake, several of the kids burned off some excess energy by climbing one of the dunes on the west side of the river. This stop was the point where the field trip ended, with several participants heading home, and others going back to Marquette to enjoy additional time in the UP.

All of those who participated in the field trip enjoyed it greatly. A big thank you to Sara Pearson and Mark Petrie who planned and organized the field trip activities!

Adam W. Heft, CPG
Michigan Section Newsletter Editor

Nominations for 2011 Section Secretary

It's time once again to be thinking about serving as a Section officer. The Executive Committee needs nominations for the Section Secretary position for 2011. The election will be held at the annual Section meeting in December.

The time commitment is relatively low; there are only four Section meetings per year. The duties of the Section officers are detailed on the Section website on the Section Officers page.

Please consider getting involved with the Section Executive Committee; it is a good way to network, and it also helps build your resume. Candidates should submit their name, bio, and a short statement of interest to the editor by November 15, 2010.

Welcome New Members

The Michigan Section is continuing to grow. Please welcome the following new CPGs, members, and students:

Adam Richmond, Amber Conner, Cry Paliewicz, Darren Rugenstein, Jacob Spreitzer, Jamie Hockemeyer, Jeremy Conner, Jon Hypnar, Neal Ringerwole, Sean Hammersburg, Vanessa Green, Xavier Gagne, and Curtis Lichy.

To each of our new members, the Michigan Section Executive Committee would like to welcome you to our section, and encourage you to attend section meetings and other events. You are also welcome to provide information for the Member's Corner articles.

Support our Sponsors!

The Section Executive Committee would like to remind its members to support the companies that are advertisers in the newsletter. Consider working with these companies, and when you speak with

their representatives, let them know that you saw their ad in the Michigan Section newsletter.

Newsletter Notice via E-mail

Please be sure that you continue to receive the Section newsletters and other announcements. Submit an updated e-mail address to Adam Heft at heft@pbworld.com. If you move or change places of employment, don't forget to send your new contact information to both the Section and to National. If you are not receiving announcements directly from the editor, it is because your email address is not up to date.

Section Website Reminders

As you may have noticed, the Michigan Section is working on building a database of geologic photographs on our website. We would like to continue building this collection. Please submit your photographs that you are willing to share to Adam Heft at heft@pbworld.com. Don't forget to include your name and a short explanation of what the photograph depicts. The photographs will be periodically uploaded to the website once several have been received.

You will also note that the Section website now has a history page. Currently it includes information on Douglas Houghton, Michigan's first State Geologist. We will be including information on the Section's officers in the near future. If you have suggestions on other items that should be included on this page, please let a member of the Section Executive Committee know.

Member's Corner

The Member's Corner includes information about the Section's membership. This is your chance to provide information on where you are and what you are doing. Simply send the information to the Editor for inclusion in this section.

No members provided information for this section of the newsletter this time, so general information will be provided instead. Members seeking employment or posting an employment opportunity with their company may place an ad in the newsletter at no charge. The ad must be 50 words or less, and must be received by the Editor at least two weeks before the newsletter publication date. The publication dates are posted on the Section website. Links to a website or relevant documentation are allowable; however, it is the responsibility of the individual posting the ad to ensure the link is viable. The ad will run for a single edition of the newsletter unless renewed.

Annual Golf Outing Summary

They said that a day of golf is better than a day at work... They were right!

The 2010 AIPG Michigan Section Golf Outing which was rained out on May 11 was held on August 17 at Lyon Oaks Golf Course in Wixom, Michigan. The Michigan Section would like to say a big thanks to the 90 golfers participating in the Six Annual Golf outing.



Golf foursome; from left to right: Dan Goeddeke, Mike Marshall, Craig Rupnow, and Maureen Johnson. Photograph courtesy of Kevin Lund.

The Michigan Section would also like to thank the business and individuals who helped make the event a success. Our Dinner sponsors were Stock Drilling and Underground Detective; beverage sponsors were Ashtead Technologies and Fibertec; Longest Drive was sponsored by Schrader Environmental; Goodie bag sponsor was EDR and tee box sponsors were GES, Strata Environmental Services, and Waste Management.



Golf foursome trying for a hole in one; from left to right: Dale Schrader, Bob Reichenbach, Abdul Abdul, and Pat Conway. Photograph courtesy of Kevin Lund.

The golf outing organizers and the Michigan Section AIPG Executive Committee would like to say thanks

to the following companies for supporting staff to participate in the Michigan AIPG Section golf outing.

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Strata Environmental Services
Superior Environmental
Underground Detective
Waste Management

Special thanks to Bob Reichenbach, and for administrative support from ARCADIS, MDNRE, Fibertec, and NTH staff.

Make plans to attend next year's golf event in May 2011 at Lyon Oaks!

Kevin Lund, CPG and Bob Reichenbach, CPG—Michigan Section Golf Outing Co Chairs

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Eastern Section of the American
Association of Petroleum Geologists

39th Annual Meeting

September 25-29, 2010

Kalamazoo, Michigan

Eastern Section AAPG Annual Meeting – 2010

“Perseverance-the Pipeline to Prosperity”

September 25-29, 2010

Registration is now open

Check out our Web Site for the Meeting at:

<http://aapgesmeeting2010.mbgs.org/meetinginfo.html>

Pre-registration deadline is September 3, 2010

Featuring 3 Technical Session symposia on:

**“Shale Petroleum Systems in Onshore Basins
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and Michigan Geological Repository for Research and Education

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**Michigan Chapter
American Institute of Professional Geologists
MEETING ANNOUNCEMENT**

September 23, 2010

**THE STATE OF MICHIGAN'S ENVIRONMENTAL
REGULATIONS**

Featured Speaker:

Ms. Lynelle Marolf

Michigan Department of Natural Resources and Environment, Lansing, MI

Location: Guerrazzi's, Lansing, MI (Map attached)

Cost: Students Free, Members \$35.00, Non-members \$40.00 **Registration is payable at the door by cash or check; however, prepayment is preferred and speeds up the check-in process at the door.**
Please note: Cancellations made within 24 hours of the meeting and/or "No Shows" will be charged and expected to pay the registration fee.

Dinner: Buffet style, choice of beef, chicken, or pasta, with choice of potato, salad, vegetable, hot bread and butter, and desert.

Time: Cash Bar 5:30-6:30 PM, Dinner 6:30 PM, and Speaker 7:30-8:30 PM

RSVP: John Barkach, at jbarkach@glec.com no later than September 20, 2010. Please include AIPG in the subject line. Checks may be mailed to John at this address: c/o GLEC, 33045 Hamilton Ct., Suite W106, Farmington Hills, MI 48334. Payment may also be made at the door.

Lynelle Marolf was named Division Chief of the Remediation Division of the Michigan Department of Natural Resources and Environment in April 2010. She currently oversees a staff of more than 300 employees dedicated to the cleanup and redevelopment of Michigan Brownfield sites and the protection of public health and natural resources under a nationally renowned contaminated site cleanup and Brownfield redevelopment program. The Remediation Division also includes the Department's Environmental Laboratory and the storage tank regulatory programs.

Ms. Marolf was formerly Assistant Chief and Acting Chief of the Remediation and Redevelopment Division in the Department of Environmental Quality. Her earlier staff responsibilities include development of the 1995 amendments to Part 201 of the Natural Resources and Environmental Protection Act and development of the administrative rules that implement Part 201.

Ms. Marolf has been with the state's contaminated site cleanup program since 1982. She also served on special assignment as Assistant to the Deputy Director for Environmental Protection, Michigan Department of Natural Resources, from May 1990 to May 1991.

Ms. Marolf is a member of the Natural Resources and Environmental Leadership Institute and is a former member of the Board of Directors of the Michigan Association of Environmental Professionals.

AIPG Section Meeting September 23, 2010

Guerrazzi's Restaurant

15643 S US Highway 27, Lansing

