



# American Institute of Professional Geologists Michigan Section

January, 2009

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## From the President's Desk

Happy New Year!

As I write this, we are in the grips of an arctic blast. It is a day like this when I wonder... "Why did I become a geologist?" The answer that I have heard from many geologists is... "A bad day in the field is better than a good day in the office." I tend to agree with them.

In the past few months, this has been a recurring theme in conversations that I have had with people. When I tell people that I am a geologist, their first comment is ... "How can you be a geologist in Michigan?" I have also had adults tell me that geology intrigues them, but they did not consider it as a career. Why not? I believe that promoting geoscience education may help open up a whole area of potential career paths that young people may not have considered.

When I attended the National Meeting last September, several discussions presented at the Executive Committee meeting revolved around the need for us to promote the geosciences to young people. They are the future of this profession, and their numbers have been dwindling. We have more geologists in the latter half of their career with few new geoscientists entering the arena. One approach that was being promoted in the Executive Committee discussions is to advocate more K-12 education in the geosciences to expose more children to the subject and spark an interest long before they choose a major in college.

The topic came up again when I was organizing our field trip and promoting the outing as a family event. It is a fun way to share an activity that we enjoy with our kids that is outdoors, lets them explore, and learn something along the way.

I had another conversation just last week with an eighth grade science teacher. She indicated to me that the science curriculum for eighth grade in Michigan is based on the earth sciences. I told her that I was excited to hear that since I am a geologist.

Her comment to me was that she should have me speak to her class since she and the other teachers on staff have more experience in the life sciences than the physical sciences. I wondered how well they can promote the geoscience field when they do not have a full understanding of how many opportunities there will be for new geologists in Michigan and worldwide.

Then I thought, this may be a way for our members to promote the geosciences to students across Michigan and perhaps inspire a few to become geologists from someone who truly enjoys the subject matter and made it their career. We could develop a couple of "canned" presentations and provide a "speakers list" to school districts pairing up our members within a certain geographic radius of the school district to be available to present to the classes. I would like to know whether our membership would be interested in developing this type of program. I would like to know if we have any members who would be interested in forming a committee to develop a few presentations and work on developing a program that we can offer to promote earth science education at the local level.

We will also continue to support K-12 geoscience education through our grant program that teachers may apply for to purchase supplies, fund field trips, or for other activities that are related to the teaching of geology. If you know of a teacher who could use additional funds for this type of project, please forward the application to them; we want to support their projects.

In addition to promoting K-12 education, we also strongly support our student sections and strive to promote the formation of additional sections at colleges and universities across the state. As part of the support for our students, the Section Executive Committee has expressed an interest in using the funds that we received from hosting the National Meeting in 2007 for scholarships for geology majors. I would like to know if we have members who would be willing to develop some criteria for a geology scholarship to be offered by the Michigan Section.

In addition to promoting education this year, we are planning four meetings, the fifth annual golf outing, and another field trip. Our first meeting will be held on March 5<sup>th</sup> in Lansing at Tony M's and will feature Ms. Lynelle Marolf and Ms. Patty Brandt of the MDEQ Remediation and Redevelopment Division presenting answers to questions stakeholders have regarding the proposed redesign of the MDEQ's cleanup and redevelopment program. The proposed redesign will have a significant impact on consultants working in the State of Michigan on projects regulated under Part 201 or 213.

Other potential topics or meeting agendas that we are considering for meetings this year include a vendor night to provide vendors with an opportunity to promote their services, possibly a student night where students may give a brief presentation on a project they are studying, and a joint meeting with another environmental or geology organization. We also invite any suggestions that you may have for meetings, activities, and/or field trips.

I am looking forward to a fun and exciting year.

Sara Pearson, CPG – 2009 Michigan Section President

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## **Congratulations to Dawn Prell, CPG 2009 Michigan Section Secretary**

At the December 2, 2008 meeting Michigan Section members elected Dawn Prell as the Section Secretary for 2009. This position has a four year commitment to the Section Executive Committee, which begins with Secretary the first year, Treasurer the second, Vice President the third, and President the fourth. A person elected as Section Secretary will have significant influence over the future direction and policies of the Section. Dawn will represent the Section at the Annual Meeting when

she is Vice President.

Dawn's geology degree is from Western Michigan University. She is currently employed as a geologist by NTH Consultants. She was a member of the Planning Committee for the 2007 Annual Meeting held in Traverse City, Michigan.

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## **Section Meeting on March 5<sup>th</sup>**

***Have you heard the news?***

***Change is on the horizon...***

The MDEQ Remediation and Redevelopment Division (RRD) is in the process of developing a proposal to redesign the environmental cleanup program that is currently administered under Parts 201 and 213 of the Natural Resources and Environmental Protection Act, PA 451, 1994. The proposed new program will combine elements of both programs and include new concepts to create one program. The proposal has been presented to RRD employees and several stakeholder groups trying to inform as many people as possible.

The proposed program redesign will change the way sites of environmental contamination will be addressed by the regulated community, environmental professionals, and the MDEQ RRD.

***Here's an opportunity for you.***

If you have or have not already attended one of the meetings introducing the proposal, AIPG's March 5<sup>th</sup> meeting at Tony M's in Lansing is an opportunity for you to hear the questions that the stakeholders have been asking and get the answers straight from the RRD's Acting Division Chief, Ms. Lynelle Marolf and Part 201 Specialist, Ms. Patty Brandt.

This is your opportunity to find out what the stakeholder's concerns are regarding changes to the

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**Circulation** of the Michigan Section Newsletter is to over 300 members, a number of prospective members, several geology departments, and companies for a total over 500. Distribution is by USPS and e-mail notice of web posting. Copy in PDF format is posted at <http://www.mi.aipg.org>.

**Newsletter Sponsors and Advertisements:** The Sponsor section is \$15 per name or column inch for copy ready art. Copy preparation at an additional charge is available.

**Professional Postings:** The Professional Posting section, where you may advertise positions, is \$10 per column inch.

**Seeking Employment:** Members seeking employment may submit a 50-word listing at no charge.

**Articles:** The newsletter will feature topics on a quarterly basis, and will have a quarterly deadline for submissions. If you have ideas for topics or articles, query us or submit it!

**Authors' opinions** in articles are not necessarily the opinions of the Michigan Section or National Headquarters of the AIPG.

cleanup program, hear the answers firsthand, and ask additional questions. This will also be the first time Ms. Marolf and Ms. Brandt will discuss changes being made to the proposal based on stakeholder input.

### ***Stay up to date on the proposal...***

Subscribe to the MDEQ's listserver and/or check out the What's New on the RRD webpage at [www.michigan.gov/deqrrd](http://www.michigan.gov/deqrrd) for information on the program redesign, op memo releases, etc.

The Michigan Section is pleased to announce that Ms. Lynelle Marolf and Ms. Patty Brandt with the MDEQ will provide answers to questions stakeholders have regarding the Division's program redesign proposal at the March 5, 2009 Section meeting.

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## **Annual Golf Outing**

It is 7°F with two feet of snow on the ground. Time to think about golf! This is a friendly reminder that the Michigan Section's Fifth Annual Golf Outing takes place Tuesday, May 12, 2009. The registration form for participation and SPONSORSHIP is attached. This event is becoming one of our major annual fundraisers. The proceeds raised are put toward our support of K-12 Geoscience education grants and scholarships.

We will be returning to Lyon Oaks Golf Course in South Lyon this year. In case you are not familiar with Lyon Oaks, it is an Arthur Hills-designed, 4½-star course. We played it last year and it is fabulous! Your entry fee includes a cart with 18 holes of golf in addition to the food and drinks. The scramble includes coffee, bagels/cream cheese, and muffins in the morning during registration; a hot dog and a drink at the turn; and a New York Strip or Prime Rib dinner. It also includes two free drink tickets per golfer that can be used on the course; a three-hour open bar after golf; and all the usual raffles, prizes, and skill challenges you would expect during a fund raising golf outing.

Our event has grown over the years and has become a favorite of those that participate. Come enjoy a day on the links for the kids (future geologists and hydrogeologists)! Come and see why our own AIPG outing should be on your list of "things-to-do" this and every year.

We are always in need of various levels of sponsors, golf related merchandise for prizes, gift certificates, and golfers! Feel free to forward this form to your favorite service providers (drillers, excavation contractors, equipment suppliers, laboratories, etc.) and let them know that it is an excellent opportunity for them to network with about 80 of their favorite

customers and that AIPG would appreciate their support.

If you'd like to golf, please reserve your spot before mid April. If you have any questions please call or e-mail the event coordinators Kevin Lund (888) 417-4440 [klund@g-eri.com](mailto:klund@g-eri.com) or Bob Reichenbach (810) 844-4512 [robert\\_reichenbach@sbcglobal.net](mailto:robert_reichenbach@sbcglobal.net).

Bob Reichenbach, CPG – Michigan Section Golf Outing Organization Committee

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## **Coming Events**

**February 11, 2009: Michigan Basin Meeting:** Lee Smith of Optimal Value Energy, LLC will be speaking on "An Ignored Michigan Resource - Geologic Storage of Carbon Dioxide". The meeting will be at 7:00 pm in Room 204 of the Natural Science Building at Michigan State University.

**March 5, 2009: AIPG Section Meeting:** "Answers to Questions stakeholders have regarding the MDEQ-RRD program redesign proposal" by Ms. Lynelle Marolf and Ms. Patty Brandt with the MDEQ Remediation and Redevelopment Division.

Location: Tony M's, Lansing, Michigan.

Dinner: Choose from: Prime Rib, Baked Chicken, or Pasta Primavera. All entrees served with salad, rolls, redskin potatoes, California vegetables, and Cheesecake.

Schedule: Cash Bar/Check-in 5:30 to 6:30 PM, Dinner: 6:30, Speaker: 7:30 to 9:00. Prize Raffle.

Cost: Students \$25.00 (waived if exhibiting a poster), Members \$35.00, Non-members \$40.00.

**RSVP by March 2, 2009:** RSVP to Dawn Prell at [dprell@nthconsultants.com](mailto:dprell@nthconsultants.com). Notice by e-mail is preferred, and please include AIPG in the subject line. Dawn can also be reached at (248) 324-5288. Reservations not cancelled by March 3<sup>rd</sup> will be billed. Checks should be made out to AIPG-Michigan.

Students attending the meeting and looking for full-time employment after graduation or a part-time summer position can bring several copies of their résumé. Leave one résumé at the sign-in desk upon arrival. Résumés obtained at the meeting are available to AIPG members seeking job candidates by contacting Kevin Lund, [klund@g-eri.com](mailto:klund@g-eri.com).

**April 14 2009: AIPG Section Meeting and Vendor Night:** Details forthcoming, meeting to be held at Weber's Inn in Ann Arbor.

**May 12, 2009: Fifth Annual AIPG Golf Outing:** Golf scramble to be held at Lyon Oaks Golf Course. Complete details are in the Golf Outing flyer.

**June 4-7, 2009 (Preliminary dates):** Michigan Basin Copper Country Field Trip.

**June 15-21, 2009:** Delta College Grand Canyon Geologic Rafting Trip. The trip will be led by Dr. Tim Clarey of

Delta College. Details are in the flyer attached to this newsletter.

**Summer, 2009:** AIPG Michigan Section Annual Field Trip, details forthcoming.

**Summer, 2009:** Michigan Basin Thunder Bay Island Field Trip.

**October 3-7, 2009:** 46<sup>th</sup> Annual AIPG National Meeting, to be held in Grand Junction, Colorado. Full details will be available on the AIPG website at: [www.aipg.org](http://www.aipg.org), and in upcoming issues of TPG.

**Mid October or Early November, 2009 (Preliminary dates):** Michigan Basin "Caving in Bedford" Field Trip.

**September 26-28, 2010:** AAPG Eastern Section Meeting, sponsored by the Michigan Basin Geological Society and the Michigan Geological Repository for Research and Education. The meeting committee is in need of volunteers to chair committees and to assist on committees. Anyone interested in participating in a committee should contact Robb Gillespie for information via email at [robb.gillespie@wmich.edu](mailto:robb.gillespie@wmich.edu).

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## Attorney General Issues Opinion on MDEQ Use of Op Memos

*The following information is provided to members for informational purposes. The Michigan Section has no opinion regarding its significance or applicability.*

Attorney General Mike Cox issued Opinion No. 7223 regarding the use of operational memoranda (op memos) by the Michigan Department of Environmental Quality (MDEQ) on December 22, 2008. The opinion, prompted by questions from State Senator Valde Garcia regarding the MDEQ's use of op memos for leaking underground storage tank sites, states that the department's use of op memos is lawful. However, the op memos are not "rules" and cannot be used for enforcement.

The Attorney General's opinion document states, "Documents created by state agencies to help explain or interpret their statutory authority that are used for internal purposes or are available to the public for informational purposes only are not rules and cannot be enforced." Statutes, rules, and final actions of the MDEQ (i.e. permits and orders) are enforceable documents.

The MDEQ advised the Attorney General's office that the op memos are meant to be interpretive and only provide guidance to staff and the regulated community on how the Department interprets the statutes and rules. The department issues the guidance to assure that the programs are administered in a fair and consistent manner throughout the state. Guidance documents are intended to give staff, the regulated community and public, in general, a clear understanding of the

presumptions the Department will apply in its execution of the statutes and rules that it administers.

The opinion document further states, "Thus, to the extent the MDEQ's operational memoranda are merely explanatory in nature – intended to provide information that will facilitate understanding of the minimum requirements of Parts 201 and 213 of the NREPA, provide guidance to the qualified consultants and certified professionals concerning the sufficiency of their corrective action plan – they are legitimate tools for educating staff and the public regarding statutory requirements. To the extent the operational memoranda accurately reflect relevant statutory requirements, the MDEQ staff can rely upon them to guide their enforcement efforts to achieve compliance with their statutory requirement. Under these circumstances, the MDEQ does not enforce the operational memoranda themselves but rather the underlying statutory obligations. On the other hand, to the extent any guidance offered in an operational memorandum were to substantively deviate from the applicable statutory requirements, the guidance would be invalid."

The opinion document also addresses issues regarding whether the MDEQ may use failure to comply with op memos, procedures, guidance documents, orders, and written documents as a basis for suspending or revoking qualified consultant or certified professional certification. The position taken by the Attorney General is reflected in the document by the following statements. "It is my opinion, therefore, in answer to your fourth question, that the MDEQ may not use failure to comply with its operational memoranda, procedures, guidance documents, and written correspondence as a basis for suspending or revoking a qualified consultant's or certified professional's certification, because none of those carry the force and effect of law. An order issued under MCL 324.21319a to abate an imminent risk to the public health, safety, welfare, or the environment, however, is legally enforceable and may serve as a basis for revoking such certification." The Attorney General further states, "It is my opinion, therefore, in answer to your fifth question, that the administrative rules governing revocation of certifications for qualified consultants and certified professionals found in part 215 of the Natural Resources and Environmental Protection Act, MCL 324.21501 et seq. may incorporate the requirements of Parts 211 and 213 to effectuate the Legislature's declared intent in Part 215 to promote compliance with Parts 211 and 213."

Article Information provided by Sara Pearson, CPG – 2009 Michigan Section President, and by Larry Austin, CPG

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## **Outstanding Geologist of the Year Recipient**

The Michigan Section of AIPG believes recognizing those contributing to our organization or our profession is important to our sustainability as a professional group. The Executive Committee decided to initiate an awards program in 1997 and held the first awards ceremony 1998. Since that time, awards have been given out at each annual meeting of the Michigan Section.

The award is given at any time to an AIPG or non-AIPG member who has contributed to the development of the practices of the geological sciences that is deemed beneficial to our profession and/or society.

The recipient for the award in 2008 was Dr. David A. Barnes, a geology professor at Western Michigan University, for his work in Michigan on carbon dioxide sequestration. He provided the topic of discussion at the May 15, 2008 chapter meeting. His research was conducted in the Grayling, Michigan area. In general, carbon dioxide is captured from coal-fired power plants or other carbon dioxide producers, converted to liquid carbon dioxide, and then injected into sandstone reservoirs at depths to contain the carbon dioxide. His work has introduced a new area of investigation for geologists in Michigan in that these areas selected for liquid carbon dioxide injection will require study and approval by a qualified geologist.

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## **Significant Contribution Award Recipient**

This award is considered to be one of the most coveted by a member of the Section for a positive impact on the Michigan Section. For 2008, the award was given to Sara Pearson for setting up the 2008 summer field trip to the LaFarge Stoneport Quarry, Thunder Bay National Marine Sanctuary, and Rockport Quarry near Alpena, and for her ongoing effort to provide thoughtful and timely articles for the newsletter.

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## **David Regalbuto Appointed Michigan Section Screening Committee Chair**

Out of four highly qualified applicants, Mr. David Regalbuto was selected as the next Chair of the Screening Committee for Michigan Section. Mr. Regalbuto is a geologist with Golder Associates.

This position was previously held by Scott Cesarz, CPG, past Michigan Section President and Screening Committee Chair, who stepped down as Chair of the Screening Committee as of January 1, 2009. We thank Scott for all his good work as

Screening Committee Chair and his past positions on the Section Executive Committee.

The responsibilities of Screening Committee Chair include the following:

- Receives all applications for membership to Michigan Section.
- Preserve the application, review reference and inquiry material in strict confidence.
- Conducts inquiries to verify work experience and integrity of the applicant.
- Preserves all files and forwards to National AIPG upon final recommendation from Screening Committee.

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## **HR 554 Information**

This article is intended to provide information regarding a bill with provisions included to exclude collecting of any rock specimens expanded to Federal wilderness areas: A bill to designate certain land components of the National Wilderness Preservation System, to authorize certain programs and activities in the Department of the Interior and the Department of Agriculture, and for other purposes. The bill can be found at: <http://www.opencongress.org/bill/111-s22/show>.

It includes dozens of other bills in one to set aside areas as National Wilderness, and to specifically block "O&G" leasing in much of Wyoming, which is currently a hot O&G area.

HR 554 included in this regards fossil collecting; details are at;

<http://www.govtrack.us/congress/bill.xpd?bill=h110-554>.

Text of the bill includes, "Prohibits a person from collecting a paleontological resource from federal land without a permit issued under this Act. The bill authorizes the Secretary to allow casual collecting of a reasonable amount of common invertebrate and plant paleontological resources for non-commercial personal uses without a permit on certain federal lands. It recognizes as valid permits issued before enactment of this Act, and sets forth criteria by which the Secretary may issue permits for paleontological resources. It requires that any paleontological resource and associated records collected under a permit be deposited in an approved repository. It allows the Secretary to modify, suspend, or revoke a permit under specified circumstances, including if there is a violation of a term or a condition of a permit. It declares that a permit shall be revoked if any person working under the authority of the permit is convicted of a criminal offense under this Act or assessed a civil penalty under this Act."

Text from one article states "The omnibus would designate as wilderness nearly two million acres of public lands across nine states and authorize dozens of new studies for national park units, heritage areas and wild and scenic rivers. It includes some contentious measures, such as proposals to codify the 26-million-acre National Landscape Conservation System and allow construction of a road through Alaska's Izembek National Wildlife Refuge."

Article Information provided by Ty Black, CPG

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## Michigan Section Students – An Ongoing Challenge

As before, but in a slightly modified and extended fashion, I'm offering to buy entrance for a geology student from any Michigan college or university to attend the next Section meeting. Unless that student is from Grand Valley (my Alma Mater); however, I won't be able to provide a ride to the meeting. If the student registers for the meeting early enough and specifies that they need a ride, the Executive Committee will try to find a local member that plans to attend the meeting and is willing to provide transportation.

What I'd like to ask is that everyone take a minute to look around you, note which colleges and universities are within convenient reach and contact them. Ask if there might be students interested in getting involved with the MI-AIPG and attending the meetings.

So my challenge to you, the other Michigan Section members, is this. I'm putting up \$25/meeting out of my pocket. I would ask that you pick one meeting this year and do the same. No, Aqua-Tech is not funding this, I am. Surely you can do the same once in a while to better your profession. After all, this is the American Institute of Professional Geologists and the encouragement of others to follow in our footsteps is part of the professionalism. Today's students are tomorrow's professionals, and we need to make more of them aware of AIPG and what it has to offer.

Lawrence M. (Larry) Austin, CPG, CP

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## Michigan Section Students – Exhibit Your Posters

If you are a student, and have a poster that you are preparing or have prepared, please consider showing your poster at the next Michigan Section meeting. We would like your poster set up by 5 PM so it can be presented during the social hour, usually 5:30 PM to 6:30 PM. If you provide a poster at one of the meetings, the Michigan Section will wave your \$25.00 registration fee. This is a great way for you to get involved and meet other geologists in Michigan with whom one day you may be working. If

you are seeking employment, consider also bringing a copy of your resume. Please contact Dawn Prell, CPG; the Section's Secretary to register a poster at our next meeting.

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## Member's Corner

As was indicated in the October 2008 edition of the newsletter, the Member's Corner was planned to become a regular feature of the newsletter. This section will include information about the Section's membership. This is your chance to provide information on where you are at and what you are doing. Simply send the information to Adam Heft for inclusion in this section.

Since this section will be written by the Section Editor, it is only fair that I provide the initial article. As I indicated in the article I sent to each of you at the end of December, 2008, I am no longer with my prior employer. I worked for Fitzgerald Henne & Associates for nearly 15 years. As of January 5, 2009 the environmental group at Fitzgerald Henne became part of Parsons Brinckerhoff. We will be providing the same services (environmental consulting) that we conducted at Fitzgerald Henne, just at a new location. We are still settling in and getting used to new ways of doing things, but are looking forward to the opportunities offered. Our old company will continue to provide engineering services, but will no longer have an environmental group.

Adam Heft, CPG – Michigan Section Newsletter Editor

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## 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.

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## Pay Your Dues!

This is a reminder to members to please be sure to pay your AIPG membership dues on time. Those that pay late need to understand that the portion of the dues that is normally forwarded to the Section are forfeited to National. Help the Michigan Section by getting your payment in on time.

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## Newsletter Notice via E-mail

Save us costs and more quickly receive meeting announcements and newsletters. Submit an updated e-mail address to Adam Heft at [heft@pbworld.com](mailto: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.

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## Call for Vendors

AIPG is considering hosting a vendor night for the April 14, 2009 meeting. We are looking for vendors who be interested in attending our meeting and giving a brief introduction to their products and/or services. If you are interested or know of a vendor who would be interested, please contact Sara Pearson at [pearsons@michigan.gov](mailto:pearsons@michigan.gov) or (616) 356-0253.

Each vendor who elects to participate will have about 10 to 15 minutes to highlight their products and/or services. Handouts may be provided to the attending members.

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## Recent College Graduate Seeking Entry Level Geology Position

An energetic, reliable, December '08 graduate from Central Michigan University with a B.S. in Geology is seeking a full-time, field-based Geology position in the Midwest or Rocky Mountain region. Available after February 1st. Resume, transcripts, and references available on request.

(989)493-3188, or Near1AC@cmich.edu.



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# AIPG – Fifth Annual AIPG Michigan Section Golf Outing

## Tuesday, May 12, 2009

### Sponsor Information

#### **Dinner Sponsor- \$900**

##### **Investment includes:**

- 1 foursome
- Signage at club house and lunch area
- Corporate recognition\*

#### **Beverage Cart/Oasis Sponsors - \$500**

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- Signage at the club house and on the Beverage Cart.
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#### **Skill Sponsors – \$350**

##### **Investment includes:**

5 Available

“Longest Drive” “Hole in One/Closest to Pin” awards to Male/female for each. Putting contest for \$\$, Signage on the hole or putting area, corporate\* recognition during the event (includes contest coordination at the turn).

#### **Goodie Bag Sponsor - \$100 plus 144 goodie bag items**

\*Dinner and Beverage Cart/Oasis Sponsors will receive AIPG membership. All sponsors will be recognized in the Quarterly News letter and on the Michigan Section Web Site through November 2008.

**This event is our annual Fund Raiser. The Michigan Section of AIPG Golf fundraiser benefits the Michigan Section’s ability to support K-12 education grants and scholarships.**

#### **Place: Lyon Oaks Golf Course**

<http://www.oakgov.com/parksrec/ppark/lyon.html>

**Event: 18-hole Scramble**

**Date: May 12, 2009 Tuesday**

**Registration: 8:00 to 9:30 AM**

**Tee Time: 9:30 AM**

Includes: Green fees, cart, range balls, lunch on the course, Networking PRIME RIB Dinner and a raffle ticket for the grand prize.

50-50 raffle, and raffle the grand prize HDTV along with other prizes, “\$10,000 Hole in One” Ace, Trips, Putt for \$2,500, men’s and women’s longest Drive and Closest to pin contests, \$20 gas cards to the four golfers traveling the furthest and goodie bag for all golfers.

**Golfer Sign up Due by:  
May 1, 2009**

Individual = \$115    Team = \$430 (4 players)

Player One: \_\_\_\_\_

Player Two: \_\_\_\_\_

Player Three: \_\_\_\_\_

Player Four: \_\_\_\_\_

**Contact Name, Company and Phone Number for your Foursome**

\_\_\_\_\_

**Make Checks to:  
Michigan Section-AIPG  
C/O GEO-environmental Resources,  
Inc.**

**2531 Jackson Road  
Suite #164  
Ann Arbor, Michigan 48103**

#### **Contact:**

Kevin Lund [klund@g-eri.com](mailto:klund@g-eri.com)

Bob Reichenbach

[robert\\_reichenbach@sbcglobal.net](mailto:robert_reichenbach@sbcglobal.net)

**CALL or FAX to reserve your place!  
888-417-4440**

The AIPG-MI Section is a nonprofit  
501(c)(6) Organization

# AIPG – Fifth Annual AIPG Michigan Section Golf Outing

## Tuesday, May 12, 2009



Arthur Hills-designed  
18-hole course on 230  
acres

- "Up North" feel in southwest Oakland County
- Par-72 championship golf course
- Get in the game faster - play afternoons 12:30 - 3:30 p.m.
- Hardwood forests and wetlands enhance natural golfing experience

- "Nature, Of Course!" interpretive signs along cart paths point out natural features of interest or significance
- Wide fairways enhance playability
- Wetlands and ponds increase challenge of play
- Sand bunkers and freshwater lakes provide a strategic challenge for accomplished golfers
- Multiple tees on every hole make the course playable and enjoyable by all level players
- State of the art practice facility with target greens and sand traps
- Picturesque clubhouse with expansive views of the course accommodates parties of up to 450 for wedding receptions, banquets and educational meetings
- Lyon Oaks County Park's day-use area features a 13-acre Dog Park and 2.5 miles of hiking trails
- Day-use park area also includes a picnic shelter, playground and recreational fields
- Trail head and parking for Lake Community Trail

#### Accolades

- Included in 2008 The Oakland Press' "Ten to Try This Summer" listing of Oakland County Public Golf Courses
- Member of Arthur Hills Golf Trail, featuring acclaimed Art Hills courses throughout the state
- Garnered a 4.5 star rating by Golf Digest 2007 and named the #2 course in Detroit to

play in ESPN's Sports Travel Golf Course Guide of the Best Places to Play

- Named #4 in Jeff Lesson's Top 10 Public Golf Courses in southeast Michigan. (Lesson hosts "Lesson on Golf" on WXYT and WWJ radio stations)
- Named in 2005 Detroit Free Press Top 10 Public Courses

Yardage	GAM Ratings
Black - 6837	Men's Black Tee - 72.7, Slope 137
Blue - 6427	Men's Blue Tee - 70.7, Slope 133
White - 6133	Men's White Tee - 69.3, Slope 131
Gold - 5389	Men's Gold Tee - 65.6, Slope 115
Green - 4525	Women's White Tee - 75.5, Slope 145
	Women's Gold Tee - 70.8, Slope 131
	Women's Green Tee - 66.7, Slope 112

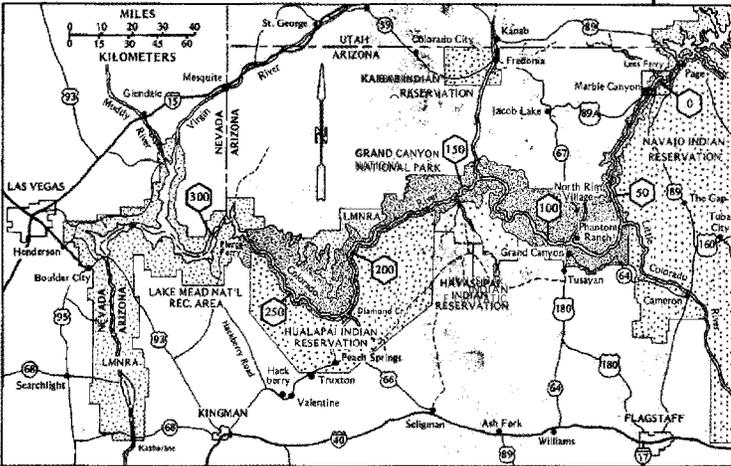


# Grand Canyon Adventure A Geologic Raft Trip

Trip Leader:  
Dr. Tim Clarey

Sponsored by:  
Delta College, Geosciences Dept.

Monday, June 15 through Sunday June  
21, 2009



MAP OF THE GRAND CANYON REGION

Plan on attending a 7-day raft trip down the Grand Canyon of the Colorado River. The trip will depart

from Marble Canyon (Lee's Ferry) on Monday morning, June 15 and will end, 188 miles later, on Sunday, June 21, at Whitmore Wash. We will take out by helicopter and then fixed-wing plane back to Lee's Ferry or the South Rim or Las Vegas. Hatch River Expeditions will supply motorized boats and expert boatmen. The cost for the trip, including six nights on the river, all food, personal sleeping gear, including sleeping bag, mattress and pillow, guidebooks, park admission and dialogue will be **\$2590 per person**. You will be responsible for getting to Las Vegas on June 14 for the flight to Cliff Dwellers Lodge (and put in on June 15), and back home from Las Vegas, or the South Rim afterward. I recommend flying to Las Vegas on June 13 and flying out of Las Vegas on June 22 (staying at the Desert Rose Resort). Those two nights and the one night at Cliff Dwellers Lodge are extra.

You will be exposed to some of the most magnificent scenery and geology on Earth, and experience some of the same emotions that John Wesley Powell did on the first trip through the Canyon 139 years ago! On our trip, we will be totally immersed in the geology, ecology and history of this spectacular natural wilderness. Restful floating on the river will be punctuated with roller-coaster rides through rapids, hikes up scenic side canyons, visits to Native American sites, and an occasional swim to cool off. We will camp on beaches each night; Hatch's crew cooks our meals and looks to our safety. Tents are provided also, if needed. You may even take this trip for credit, GLG 266.

Sign up will be first come, first served. We have space for 15 people. Upon receiving a non-refundable deposit of \$300, we will send you all details on how to get there, what to bring, and everything else you will need to know to enjoy this spectacular adventure. Reservations must be received by December 1, 2008. Full balance will be due by January 1, 2009.

Please call Dr. Tim Clarey (989-686-9252) if you have any questions (e-mail: [tlclarey@delta.edu](mailto:tlclarey@delta.edu)).

## Registration Form--Grand Canyon Adventure

**Total Cost of Trip: \$2590, Nonrefundable deposit: \$300/person**

**(Deposit must be received by December 1, 2008)**

Enclosed is my \_\_\_\_\_ check, \_\_\_\_\_ money order in the amount \$ \_\_\_\_\_

Name(s): \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Home and/or Cell Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Make checks payable to **Delta College** and mail to **Dr. Tim Clarey, Delta College, University Center, MI 48710.**

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

**March 5, 2009**

***ANSWERS TO FREQUENTLY ASKED QUESTIONS AND CONCERNS  
RELATED TO  
MDEQ REMEDIATION AND REDEVELOPMENT DIVISION'S  
PROGRAM REDESIGN PROPOSAL***

Featured Speakers: **Lynelle Marolf, MDEQ RRD Acting Division Chief  
Patty Brandt, MDEQ RRD Part 201 Specialist**

**Location:** Tony M's Banquet, 3420 S. Creyts Road, Lansing, MI (Map attached)

**Cost:** Students \$25.00, 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:* Prime Rib, Baked Chicken, and Pasta Primavera** – with salad, rolls, redskin potatoes, California vegetables, and cheesecake.

**Time:** Cash Bar 5:30-6:30 PM, Dinner 6:30 PM, and Speaker 7:30-9:00 PM

**RSVP:** Dawn Prell, at [dprell@nthconsultants.com](mailto:dprell@nthconsultants.com) (email RSVP's preferred and please put **AIPG** in the subject line) or (248) 324-5288 no later than March 2, 2009.

**Guest Speakers:** **Lynelle Marolf**, Acting Division Chief, and **Patty Brandt**, Part 201 Specialist, Remediation and Redevelopment Division, will present answers to many of the frequently asked questions and concerns regarding the proposed redesign of the MDEQ's cleanup and redevelopment program. This discussion will be important for anyone working on projects in Michigan regulated under Part 201 or 213. Ms. Marolf will be presenting the proposed redesign program to several stakeholder groups during the months of January and February 2009. During the presentations, it is anticipated that stakeholders will have many questions and concerns regarding the proposed program. During this presentation, Ms. Marolf and Ms. Brandt will present the frequently asked questions and provide answers to address those concerns. In addition to the frequently asked questions, changes to the proposal made by the division based upon stakeholder input will also be discussed.

# AIPG Section Meeting March 5, 2009

Tony M's Banquet, 3420 South Creyts Rd, Lansing

