



Environmental  
Professionals of  
Iowa

# REVIEW

September 2008

Environmental Professionals of Iowa is a multidisciplinary organization that promotes education and standards of conduct and performance in the environmental field. The organization also provides a forum for environmental professionals to express a collective statement and provide a professional perspective on environmental issues.

## President's Corner

Greetings!

It has been a busy year for all, to say the least, with the floods of 2008. The date of our annual Symposium is nearing, and I hope you all will be able to attend. It will be held at Stoney Creek in Johnston on November 17<sup>th</sup> and 18<sup>th</sup>.

EPI has kept busy by providing you with different educational and training opportunities. Primarily this year, with the support of the Iowa Department of Natural Resources (IDNR), our vendors and members, we have continued what was initiated in 2007 – the hosting of Interstate Technology and Regulatory Council (ITRC) web seminars. ITRC is a state-led coalition that works together with industry and stakeholders to achieve regulatory acceptance of environmental technologies. The ITRC mission is 1) to develop guidance documents and training courses to meet the needs of both regulators and environmental consultants, and 2) to work with state representatives to ensure that ITRC products and services have maximum impact among state environmental agencies and technology users. ITRC receives financial support from the [U.S. Department of Energy](#), the [U.S. Department of Defense](#), and the [U.S. Environmental Protection Agency](#). By hosting these web seminars EPI documents attendance, which aids in the receipt of CEUs for certified groundwater professionals. The next upcoming ITRC web seminar is *Planning and Promoting Ecological Land Reuse of Remediated Sites* to be held September 23, 2008 at Hydro-Klean in Des Moines, and the Howard R. Green office in Cedar Rapids. We hope you can attend.

Currently, the IDNR had asked EPI to look into another ITRC training opportunity. ITRC will begin offering a classroom training event, titled *Vapor Intrusion Pathway: A Practical Guideline* in each EPA region. This would be a two day training session, and would be a more in-depth handling of the subjects introduced in the Vapor Intrusion Internet-Based Training that some of you attended last year. As part of our decision making process, EPI will be asking you for your opinions and interest.

Another change we would like to inform you about is our new web-based member database. We have had a problem in the past of keeping our various lists updated, current and coordinated. Now all data is stored at one location, and can be accessed through our webpage. EPI Board members are the only

## 2008 EPI Officers

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**Environmental Professionals of Iowa**  
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ones who can access our member information. In addition to a central location, our Board members can now send email directly to our members without utilizing our moderator. You can still email our moderator, and your email will be forwarded to the appropriate Board member. The benefit to our members will be numerous.

On behalf of the EPI Board, we look forward to seeing you at our upcoming events. Thank you again for your continued support of EPI.

Sincerely,  
Jasmine Bootman  
EPI President

**2008 EPI Symposium – November 17-18**  
**Stoney Creek Inn**  
**(Registration Forms Attached)**

**AGENDA**

Monday, November 17<sup>th</sup>

5:30 – 6:30 PM Vendor & Social Time  
6:30 – 7:15 PM Dinner  
7:15 – 7:30 PM EPI Business Meeting & Officer Elections  
7:30 – 8:30 PM Mark Jenner, PhD, Biomass Rules, LLC: Algae as a BioFuel\*

Tuesday, November 18<sup>th</sup>

8:00 – 8:30 AM Registration  
8:30 – 8:45 AM Welcome & Introductions  
8:45 – 9:00 AM Rochelle Cardinale, Iowa Department of Natural Resources: Climbing Hill – The Public Water Supply Saga  
9:00 – 9:45 AM Nick Athens, EcoVac Services: Use of Surfactants for Effective Free Product Removal  
9:45 – 10:00 AM Lynette Seigley, IDNR: Project AWARE  
10:00 – 10:30 AM Break with Vendors  
10:30 – 11:00 AM Jim Ramm, Insitu Remediation as it Pertains to Iowa: Case Studies and Developments  
11:00 – 11:30 AM Cathy Lee, IDNR Emergency Response: Environmental Problems Associated with the 2008 Flood  
11:30 – 12:00 PM Jeff Hove, Renewable Fuels: State and Federal Regulations and the RIN Alliance  
12:00 – 1:00 PM Lunch  
1:00 – 1:10 PM Sid Juwarker, Barker Lemar: Project LIGHT  
1:10 – 2:00 PM Richard Cartwright, MECx: Sustainable Re-Development Achieved Via Landfill Avoidance Remediation  
2:00 – 2:30 PM Professor Tom Eisenhart, Iowa State University: Rapid Watershed Assessment  
2:30 – 3:00 PM Break with Vendors  
3:00 – 3:30 PM Taryn Badal, Technical Rep for Air Toxics Ltd: Data Defensibility Considerations for Vapor Intrusion Assessments  
3:30 – 3:45 PM James Gastineau, AON: IUST Fund Update  
3:45 – 4:00 PM Tom Norris, Petroleum Marketers Management Insurance Company: Update  
4:00 – 4:30 PM Elaine Douskey, Iowa Department of Natural Resources: Update  
4:30 – 4:45 PM Contact Hours Sign-Up  
Event Evaluation Forms  
Door Prizes

**ITRC Upcoming Seminars**  
**(Interstate Technology & Regulatory Council)**

EPI is sponsoring one final seminar in September which will be available in Des Moines and Cedar Rapids. The seminar is web-based and **FREE**

9/23 - Planning and Promoting  
Ecological Land Reuse of  
Remediated Sites  
1-3:15pm  
Snacks provided

IDNR is awarding 2.25 CEUs for the seminar. If interested in attending the seminar, please contact the following per area of where you would like to attend the seminar:

Des Moines – Hydro-Klean,  
Leah Calvert  
[lcalvert@barkerlemar.com](mailto:lcalvert@barkerlemar.com)  
515-256-8814

Cedar Rapids – Howard R. Green  
Diane Pals  
[dpals@hrgreen.com](mailto:dpals@hrgreen.com)  
319-841-4327

***\*EPI Symposium - Monday Evening  
Speaker –***

***Dr. Mark Jenner, Biomass Rules, LLC***

Dr. Jenner's topic will be "Algae as a BioFuel".

"Algae has the capacity to remediate carbon dioxide emissions, produce energy, generate a source of protein for animal feed and even provide dietary and medicinal supplements for humans."

Mr. Jenner's bio includes an Ag Econ PhD in farming production systems, 2 MS degrees in Manure Management, a BS in Agronomy, and nearly 30 years of professional experience spanning three continents.

## **SUMMARY OF 5/06/08 AND 8/12/08 EPI BOARD MEETING MINUTES**

### **By Steve Reinders, EPI Board Secretary**

EPI Board meetings were held at 6:15 pm at MWH on 5/06/08 and 8/12/08. A brief synopsis of the board meetings is provided below. For the complete meeting minutes, please see the EPI website where the full minutes will be posted.

**Attendees on 5/06/08**– Jasmine Bootman, Karen Lodden, Ginger Thune, Steve Reinders, Lisa Coffelt, Christy Jaworski, Steve Shipley.

**Attendees on 8/12/08** – Jasmine Bootman, Leah Calvert, Ginger Thune, Steve Reinders, Lisa Coffelt, Matt Deutsch, Sid Juwarker, Steve Shipley, Jeff White, Karen Lodden, and Steve Shipley.

#### **EPI Website:**

- EPI newsletters and board meeting minutes will be made accessible on the website.
- EPI board members will be given access to the EPI database through a username and password. Two board members, the secretary (Steve Reinders) and treasurer (Karen Lodden), will be given editing access for the database so that member dues, symposium fees, and changes in contact information can be upgraded.
- A financial tracking capability will be added to the database, if possible, to track membership fees, symposium fees, and overall EPI funds.
- The database may have a query function added to it to allow for the tracking of EPI member attendance to various EPI events.
- Jasmine presented a proposed budget from Barker Lemar for upgrades to the EPI database. The board agreed to move forward with item #5 of the proposed contract (Export Function) and tabled the other items until the board members had a chance to review the proposal. The goal was set to have the review completed by September 1<sup>st</sup>, as the contract expires on September 31<sup>st</sup>.

#### **Other Business:**

- The board decided to donate \$1,000.00 to the Habitat for Humanity “Green” house being built on the east side of Des Moines.
- The board discussed the Vapor Intrusion Classroom Training. This is something that the IDNR would like to attract to the Midwest so that Iowa GWP’s could be encouraged to attend. However, the costs (~\$800/person) appear to be more than most firms would be willing to spend. State agencies may get assistance from the EPA to reduce costs. The board asked Steve Reinders if he could approach the IUST Fund Board to see if any money might be available to help reduce the cost for GWP’s.

#### **ITRC Seminars:**

- The April 17<sup>th</sup> ITRC event went fairly well. We discussed ways to try to boost attendance. 2 people (not counting the facilitators) attended the west (Omaha) location, 5 people attended in Cedar Rapids, and 17 people attended in Des Moines. Steve Shipley will work with the Nebraska regulators to try to get Nebraska CEU’s credited for the ITRC workshops. This would boost attendance in the west.
- The June 19<sup>th</sup> ITRC event went poorly in the western (Omaha) and eastern (Cedar Rapids) locations. The Omaha ITRC venue was cancelled due to a lack of interest. The Cedar Rapids ITRC venue was attended by one person. The poor attendance in this location can be attributed to the 500 year flood which ravaged the Cedar Rapids area. The Des Moines ITRC venue, hosted at HydroKlean, was well attended.
- The next ITRC internet seminar will be held on September 23<sup>rd</sup> (Planning and Promoting Ecological Land Reuse of Remedial Sites). There will not be an EPI hosted ITRC location in the west (Omaha). The Nebraska Department of Environmental Quality did not approve CEU’s as it was not felt that the topic was LUST related. ITRC venues will be hosted in the Cedar Rapids area (location to be announced via email) and at HydroKlean in Des Moines.

#### **EPI Symposium:**

- Discussed potential speakers for the EPI symposium in November. Many speakers have shown an interest, and some have committed. We need to get the interested speakers committed, and we have a few slots to fill.

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- Discussed possible ways to attract a wider audience to the symposium, including members of the petroleum marketer's industry and members of CHMM (Certified Hazardous Materials Managers), whom are mostly industrial hygienists. Attempts will be made to reach out to these groups to inform them about EPI and the annual EPI symposium.
- Since the vendors have complained about being assigned poor locations (away from the high traffic areas), it was suggested that we start awarding locations on a first pay, first choice basis. This will benefit EPI as we will get earlier committals for the symposium. Other suggestions included having a separate banquet hall where all the food & drink and vendors will be located, and keeping the bar in the hallway closed to encourage people to go into the vendor room.
- More EPI pens will be ordered for the symposium.

#### **EPI Newsletter:**

- Another EPI newsletter will go out in September. The EPI board agreed that a semi-annual newsletter works best, with flyers sent out in between to remind people of EPI events and to notify EPI members of any changes. All articles are to be provided to Ginger Thune by September 5<sup>th</sup>, with the newsletter to go out by September 12<sup>th</sup>.

#### **EPI Board Meeting Issues:**

- Jasmine Bootman reviewed the EPI charter and reported that we are supposed to conduct our board meetings according to Robert's Rules of Order. We have obtained a copy of Roberts Rules of Order and our goal will be to integrate this system into our future board meetings.
- Jasmine will forward copies of the EPI Constitution and By-Laws to those members whom would like a copy.

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## **6<sup>th</sup> Annual Project AWARE (A Watershed Awareness River Expedition)**

This August, Project AWARE volunteers cleaned up more than 80 miles of the Winnebago, Shell Rock and Cedar rivers from Mason City to Cedar Falls, removing more than 47 tons of junk after the recent floods. The event was originally scheduled for June, but due to the flooding, was rescheduled for August. Project AWARE is the working canoe trip led by the Iowa DNR to cleanup Iowa waterways and raise environmental awareness.

EPI is one of 140 proud sponsors. Several EPI members participated in the week-long event. For more complete information please go to [www.iowaprojectaware.com](http://www.iowaprojectaware.com).

Pictures provided by Project AWARE.



## News from IDNR.....

# Emergency Response and Disposal: Barton Solvents

Have you ever wondered what goes on during an emergency response? Who is involved, what happens to all of the waste left behind? As our communities continually change, accidents and natural disasters have increased. Being prepared and knowing what to do when disaster strikes can be the most important link in the link of defense.

**Barton Solvents** experienced an explosion at in their Des Moines Facility on 2007. It dominated the news; visions of the enormous fireballs are impregnated memory. Smoke plumes towered the building, drums exploded from the first fire departments to arrive on scene made sure no employees were inside three unmanned remote tankers and pulled back personnel due to exploding. The intent was to prevent the fire from spreading to the south warehouse full of Firefighters were also concerned about 3 rail tankers containing hexane being with flames. The heat of the fire was estimated to be about 1335 °F, and could 1,000 feet away. Tote explosions and fireballs were occurring at a rate of one with 55 gallon drums skyrocketing into the air.



October 29<sup>th</sup>, in our inferno. The then set up containers. chemicals. impinged be felt over per minute

### Air Quality:



Calls were coming in to headquarters of communities from citizens with the smoke plume and Environmental

for Barton Solvents were air quality, as well as Polk County and EPA's Emergency Response. Particulates and PAH's (polynuclear aromatic hydrocarbons) were monitored. It was found that the air quality was a nuisance and irritant, but not toxic; so no evacuations were implemented.

police surrounding concerned air quality. Consultants monitoring

### Water Quality:

Firefighting water runoff

was also impacted. Chemical and ash runoff had the potential to enter streams and eventually into the Des Moines River, one of the cities's drinking water sources. Some foaming was noticeable due to surfactants blended in certain Barton product cleaning solutions. Because booms would not be sufficient, a basin for detainment was built. Numerous truckloads of sand were hauled in by Polk County Public Works, arriving by police escort. The horizontal flow expansion in the detention basin was 1 foot every 3 minutes. The basin floor rose 2" in depth every 5 minutes. The height of the basin was built to 5 feet. The flat bottom and wide basin allowed for wind currents to oxygenate the water surface and allowed the sunlight to promote the degradation of the petroleum-based solvents in the fire-fighting water. In the following days, a controlled release was done as post degradation test results showed little concern. An estimated 200,000 gallons of water was put on the fire that day.



There was a slight odor and visual tinge to the water in proximity to Barton Solvents, indicating that some solvents had entered the basins on site. This was vacuumed up then emptied into FRAC tanks for remedial treatment and disposal at the waste water treatment plant.

### Investigation:

The U.S. Chemical Safety board, an independent federal agency appointed by the President, spearheaded the fire investigation. Their job is to investigate and come to conclusions; making safety recommendations to plants, industry organizations, labor groups and regulatory agencies such as the Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA). As the investigation proceeded, areas were released from containment, activating the cleanup efforts. Secondary containment was set up to address any weather-related runoff of ash and debris while cleanup was pending final investigation. In all, over 13 different agencies were involved in the cleanup, not including those agencies involved in the response.

**Asbestos:**

Asbestos assessment was done previously by Barton's consultant and was found free of ACM, or asbestos containing material.

**Solid Waste:**

Soil samples were taken and on site leading to Bioremediation treatment. What about all of the metal barrels? Scrap Metal that is recycled is exempt from RCRA regulations, even if it could potentially be classified as a hazardous waste, so waste generators need not make a hazardous waste determination according to 40 CFR 261(a)(3)(ii). Scrap Metal that is not recycled is subject to regulations, so generators must make a waste determination.

What about the rest of the debris? A waste determination needed to be made before landfill disposal. Could the waste be hazardous due to being a listed waste or characteristic waste? Barton Solvents did have a few "U" listed hazardous wastes on site and according to the RCRA "derived from rule", any material derived from a listed hazardous waste is also a listed hazardous waste (40 CFR 261.3(C)). Testing showed that there was little concern in the remaining waste, basically everything had burned. Barton Solvents petitioned to EPA to have their listed "derived from" waste be considered non-hazardous and EPA agreed, giving permission to dispose of the waste in a Subtitle D, non-hazardous landfill. This is the first case in Iowa of having a hazardous waste de-listed for disposal.



**Safety:**

Iowa Occupational Safety and Health Enforcement said the state has about 27 inspectors for 90,000 employers and only routinely inspect case facilities involving fatalities, or in which at least five people are hospitalized. Barton Solvents has historically been compliant on EPA inspections and any minor citations were corrected right away. The facility responded swiftly during the event reinforcing the clean-up efforts.

**Emergency Response plans:**

Facilities should know them, practice them, review them and update them. These incidents are a collaborative effort covering many jurisdictions. Being prepared can save lives!

Susan Johnson, CHMM  
Environmental Specialist, Land Quality Bureau  
Iowa Department of Natural Resources

**REVISED WATER MAIN CONSTRUCTION PERMIT PROCESS**

This information was obtained from the Iowa Department of Natural Resources' Water Supply Listserv for Friday, May 16, 2008. This listserv provides information for Iowa's public water supply systems in these areas: engineering/construction permitting, water use permit program, operation permitting, environmental laboratory certification, and the operator certification program.

**Revised Construction Permit Schedule 2a**

When an engineer submits an application for a water main construction permit, generally Schedules 1a, 1c, 2a, and 2b are submitted. Schedule 1a contains general information about the applicant, Schedule 1c is the fee form, Schedule 2a contains general information about the water main construction project, and Schedule 2b references the technical specifications used by the engineer on the project.

Schedule 2a "Water Mains, General" has just been revised to include additional information about the placement of water main material in an area contaminated with petroleum chemicals. The revised Schedule 2a (DNR Form

542-3030) must be used for any water main construction permit application submitted after July 1, 2008. It's now available on the web at: <http://www.iowadnr.com/water/wse/conpermits/schedule2a.doc>

Iowa's water supply design standards (Section 8.1.2 of the Recommended Standards for Water Works (The 10 States Standards, 2003)) requires "Where distribution systems are installed in areas of groundwater contaminated by organic compounds, pipe and joint materials which do not allow permeation of the organic compounds shall be used." Because of this design standard requirement, any applicant for a proposed water main project needs to know if new water main will be installed through an actual or projected petroleum plume.

(cont'd from p.6)

A new website has recently been developed by the Iowa Department of Natural Resources to help engineers determine if the placement of water main is likely to be in an area of groundwater contaminated from petroleum products. This new website shows the locations of all known LUST sites in Iowa. For each known LUST site, the website contains an associated map which delineates a 1,000 foot radius zone of concern. Water main material placed within this 1,000 foot radius zone of concern must undergo further data gathering as part of the construction permit application process. To access the map of LUST sites in Iowa and associated 1,000 foot zone of concern map, see the following website: <http://csbweb.igsb.uiowa.edu/imsagate/introduction/home.asp>

The above website contains a link to "*Leaking Underground Storage Tanks (LUST) Sites.*" By clicking on this link, you will obtain an interactive map of all known LUST sites in Iowa and associated 1,000 foot radius zone of concern. It is possible for you to zoom in or out on this map. Once you have zoomed into the project site, if there are any known LUST sites in the path of the water main project, your engineer is required to identify each LUST site and obtain additional information about the site. It is possible to get the "Leak Number" for the a LUST site by clicking on the "*id map*" button (black circle with white "i" inside) and then clicking on the specific LUST site shown on the map.

On the revised Schedule 2a, the engineer will be directed to go to the above mentioned website. If the proposed water main will be located within 1,000 feet of a known LUST site, the engineer will be required to obtain a copy of the Utility Company Notification (UCN) form (DNR Form 542-1531) along with the associated contaminant plume map(s) for each LUST site. A UCN form and corresponding plume map(s) must be submitted to the Water Supply Engineering Section as part of the water main construction permit application.

A copy of the Utility Company Notification form and contaminant plume map(s) for each LUST site should be available from the water utility. Copies may also be obtained from the Records Section of the Iowa Department of Natural Resources (Wallace Building) at (515)242-5518. If you are contacting the Records Section of the DNR, you will need the "*Leak Number*" which is obtained from the above mentioned website. By knowing the "*Leak Number,*" the UCN and the plume maps can be located in Appendix 32 to the Tier 2 assessment.

## The Floods of 2008.....

“PMMIC has had 3 claims filed so far with the possibility of a few more but our policyholders in general were very fortunate.” – Tom Norris, PMMIC

From the Groundwater Professional Bulletin Board:

<http://www.iowadnr.com/land/ust/gwpbulletinboard/gwbb071008.html>

POSTED: 07/10/2008

### Groundwater Sampling Schedule Revised Due to Floods of 2008

The floods of 2008 have affected a significant portion of the state of Iowa. If you are the certified groundwater professional for a leaking underground storage tank (LUST) site that has been flooded, please contact the DNR project manager. Let the project manager know which site has been flooded and any other pertinent information you may have about the condition of the site.

In response to the floods the DNR is revising the annual groundwater sampling requirements for 2008 by extending the monitoring and reporting schedules. The purpose of the time extension is to allow the static water level to return to pre-flood levels so groundwater samples can be collected from within the screened portion of the existing monitoring wells. Groundwater samples collected when a well screen is submerged are not valid and should be ignored in the software.

If it is determined the well cap (J-Plug) was not secure, a slotted/perforated well cap was in place, or well subsidence or well heave are noted, the monitoring well should be developed (re-developed) prior to sampling to repair possible damage to the surrounding formation.

If a LUST site is currently classified low risk the annual monitoring may be done during the fourth quarter instead of the third quarter of 2008. The 2008 Site Monitoring Report is due by **01/30/09**.

If a LUST site is currently classified high risk and has been affected by flooding please contact the DNR project manager to discuss the site specifics and develop a revised activity schedule. There may be sites where remediation system components have been damaged by flooding such that the system has stopped operating. Prior to replacing equipment and restarting the system, the effectiveness of the treatment system (pre-flood) should be evaluated. Post-flood soil and groundwater conditions should also be determined.

If you have questions, please feel free to contact Elaine Douskey at (515)281-8011 or [elaine.douskey@dnr.state.ia.us](mailto:elaine.douskey@dnr.state.ia.us) .



## A consultant's experience.....

Iowa Flooding Event 2008 – EPA Support

In response to the severe flooding that occurred in Iowa in June 2008, EPA tasked Tetra Tech START to provide support for the Iowa Flooding Event 2008 –Asbestos Support site. As a result of the state-wide flooding, the Federal Emergency Management Agency (FEMA) issued EPA a mission assignment to conduct air monitoring for particulates and sampling for asbestos. The mission assignment process allows FEMA to utilize Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act) funds to reimburse EPA for certain emergency response activities when there is an Emergency or Major Disaster Declaration. FEMA issued EPA the mission assignment for air sampling and monitoring to ensure the public was not being exposed to asbestos or

elevated levels of particulates as a result of cleanup activities following the flooding.



(cont'd from p.8)

Air sampling and monitoring 2008 in flood-impacted Iowa. Initially, air activities were towns of Cedar Falls, Waterloo, Montrose, Fort Madison, Keokuk, addition, air sampling and Parkersburg which was previously (under task order 0001.068) during (in response to an EF-5 tornado that 2008) was included in the FEMA air sampling/monitoring. and monitors were placed at within the flood-impacted area. selected to be representative of activities and debris activities. Air sampling was using personal sample pumps. for particulates was conducted using monitoring for particulate matter less than 10 microns in size (PM<sub>10</sub>). Sampling and monitoring were conducted daily over an approximate 8 hour period. Air sampling/monitoring data were compiled daily in a summary table and forwarded to EPA for review.



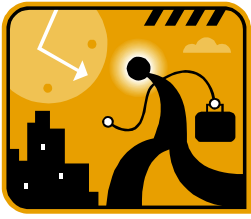
commenced on July 1, communities throughout conducted in the Iowa Cedar Rapids, Iowa City, and Oakville. In monitoring in the town of conducted by START the month of June 2008 hit the town in May mission assignment for Collocated air samplers stationary locations Stationary locations were ongoing cleanup management/removal conducted for asbestos Real-time air monitoring DataRAMs, primarily

Air activities were conducted through July 11, 2008, when following the review of air data and evaluating the status of cleanup activities in each of the listed towns, air sampling and monitoring was halted in all locations except for Parkersburg, Cedar Rapids, and Oakville, where large cleanup operations were still ongoing. To date there have been no detections of asbestos in any of the air samples. In addition, particulate levels have not exceeded the National Ambient Air Monitoring Standard (NAAQS) for PM<sub>10</sub>, which is 150 ug/m<sup>3</sup>. Currently, air activities are expected to continue on a daily basis in Parkersburg and Cedar Rapids. A report documenting site activities and air results will be prepared for submittal to EPA.

In addition to air quality monitoring, Tetra Tech was also involved with inventorying household hazardous waste materials including paint, solvents, aerosols, refrigerators, and electronic waste which were brought to collection sites, facilitating the removal of displaced drums and tanks, pre- and post-use soil sampling at Hazmat staging areas and surveys of major rivers by water and land for hazards from items carried downstream. Additional assistance was provided by tracking the quantities of personnel and equipment used, providing daily progress reports for use by EPA staff and photo documentation of impacted areas.

– submitted by Gaylen Hiesterman, Tetra Tech

*If your company has a flood related story to share, please forward to [ginger.thune@atcassociates.com](mailto:ginger.thune@atcassociates.com).*



## ON THE MOVE...

Brian Jergenson, formerly with the IDNR UST Section in the Wallace State Office Building, is now with Field Office #1, Manchester, working with UST and LUST sites.

Roland Newton is currently working with Marine Pollution Control.



## Calendar of Events

- 9/23 ITRC Internet Seminar – Planning and Promoting Ecological Land Reuse of Remediated Sites, 1-3:15pm, p.1 of newsletter for registration information).
- 10/14 Environmental Protection Commission (EPC) Meeting, Des Moines, IA ([www.iowadnr.com/epc/](http://www.iowadnr.com/epc/))
- 10/14 EPI Board Meeting, MWH, 6:15 pm
- 11/10 EPI Board Meeting, MWH, 6:15 pm
- 11/11 Environmental Protection Commission (EPC) Meeting, Centerville at Honey Creek Resort Park ([www.iowadnr.com/epc/](http://www.iowadnr.com/epc/))
- 11/17-18 2008 EPI Symposium, Stoney Creek Inn**
- 12/9 Environmental Protection Commission (EPC) Meeting, Des Moines, IA ([www.iowadnr.com/epc/](http://www.iowadnr.com/epc/))



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## ENVIRONMENTAL PROFESSIONALS OF IOWA SYMPOSIUM ATTENDEE REGISTRATION FORM

To register for the EPI Symposium, please select the portions of the event you would like to attend and send this completed form with a check payable to EPI to the address shown below. EPI **will not** be able to accept credit cards at the Symposium so please plan accordingly.

Environmental Professionals of Iowa  
P.O. Box 65484  
West Des Moines, IA 50265

If you have any additional questions regarding the symposium, registration or would like to become an EPI member, but cannot attend the symposium, please contact Steve Reinders, EPI Secretary, at [reinders@gabrobins.com](mailto:reinders@gabrobins.com) or 515-276-8161.

Name: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Organization: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 FAX: \_\_\_\_\_  
 Email: \_\_\_\_\_

Event	Registration Postmarked by November 12, 2008	Registration Postmarked after November 12, 2008
<b>Standard Fees</b>		
<i>Symposium Only</i>	\$100.00	\$125.00
<i>Dinner Meeting &amp; Symposium</i>	\$125.00	\$150.00
<i>Total Enclosed</i>		
<b>Student Fees</b>		
<i>Symposium Only</i>	\$10.00	\$15.00
<i>Dinner Meeting &amp; Symposium</i>	\$20.00	\$25.00
<i>Total Enclosed</i>		

Symposium attendance includes the annual EPI Membership.



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Iowa



## ENVIRONMENTAL PROFESSIONALS OF IOWA SYMPOSIUM VENDOR REGISTRATION FORM

To register as a vendor for the EPI Symposium, please complete this form and submit with company check for **\$200.00** to:

Environmental Professionals of Iowa  
PO Box 65484  
West Des Moines, IA 50265

The vendor registration fee includes two (2) attendees for the symposium.

**There is no need to also complete the Attendee Registration Form.**

If you have any additional questions regarding the symposium, please contact Leah Calvert, EPI Program Chair, at [lcalvert@barkerleamar.com](mailto:lcalvert@barkerleamar.com) or 515-256-8814.

Contact Person: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Organization: \_\_\_\_\_

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

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ FAX: \_\_\_\_\_

Email: \_\_\_\_\_ Web: \_\_\_\_\_

Product/Service: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

You may set up between 4:00 pm and 5:30 pm on Monday, November 17<sup>th</sup> in time for our 5:30 pm social hour. Dinner will be served at 6:30 pm followed by an evening presentation. All spaces should be setup by 8:00 am on Tuesday, November 18<sup>th</sup> and should be removed from the area by 5:30 pm.

- Setup Monday evening      Number for Dinner: \_\_\_\_\_
- Setup Tuesday morning      Number for Symposium: \_\_\_\_\_

\$200.00 fee includes vendor space and business card posting in EPI quarterly newsletter.

**EPI will be holding a door prize drawing at the end of the Symposium on Tuesday.  
Vendors are welcome to contribute additional door prizes.**