

# BIOSOLIDS COMMITTEE PRESENTS



## Biosolids and Money: Going Green Saving Green



March 16 & 17th  
2010

At the

*Crowne Plaza—Grand Rapids, MI*

Wastewater CECs Available  
Technical-0.4 Managerial-0.4  
Course Code: 1179

**REGISTRATION DEADLINE: March 8, 2010**



# CONFERENCE OVERVIEW

Biosolids are the nutrient rich resource derived from the treatment of wastewater and there are a variety of beneficial applications that exist for biosolids reuse. This Seminar will address what Wastewater Supervisors, Managers, Process Operators, Engineers or Regulators need to know about the energy options available. Topics covered will be: State House Update, News from the Field, Biosolids Industry Challenges, Bio-Energy, MPSC, Energy Use, Permitting, Digester Technology, Bio-gas, Fuel Cells, Dewatering, Gasification, and More.

## WHO SHOULD ATTEND?

Wastewater Treatment Plant Managers and Operators, Process Control Specialists, Contractors, Designers, Regulators, Equipment Suppliers, and Students interested in Wastewater Treatment and Biosolids Management.

## TOUR LOCATIONS—Tuesday, March 16

### Tour Track A

- 1:30 p.m. Leave Crowne Plaza
- 2:30 p.m. Arrive Sietsema Farms Feeds LLC  
19117 Lake Montcalm Rd., Howard City, Mi 49329
- 3:45 p.m. Leave Sietsema Farms
- 4:45 p.m. Arrive Michigan Turkey Producers
- 6:00 p.m. Leave for Crowne Plaza Hotel (arrive 6:30 p.m.)

## Sietsema Farms Feeds



### Tour Track B

- 1:30 p.m. Leave Crowne Plaza
- 2:00 p.m. Arrive at Michigan Turkey Producers,  
2140 Chicago Dr. SW, Wyoming, MI 49519
- 3:15 p.m. Leave Michigan Turkey Producers
- 4:15 p.m. Arrive at Sietsema Farms Feeds. LLC
- 5:30 p.m. Leave for Crowne Plaza Hotel (arrive 6:30 p.m.)



Thanks to the following vendors for their generous Sponsorship and Support of this Conference:



BIOTECH AGRONOMICS, INC



***KAR Laboratories, Inc.***



Please make sure to visit with these sponsors and vendors during the reception and dinner on Tuesday evening and during the networking periods of the conference to learn about current products and issues.

For more information about the Conference or the MWEA Biosolids Committee contact:

**Ken Herman**  
517-323-8450, ext. 307  
kherman@deltami.gov

**MWEA**  
517-641-7377  
mwea@mi-wea.org

**Steve Mahoney**  
517-241-2508  
mahoneys@michigan.gov

## Tuesday, March 16, 2010

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12:30 p.m.—1:30 p.m.     **Biosolids Tour Registration**

**Tour Track A**     1:30 p.m. Leave Crowne Plaza (see inside front cover for specifics)  
6:00 p.m. Leave Tour, arrive Crowne Plaza 6:30 p.m.

**Tour Track B**     1:30 p.m. Leave Crowne Plaza (see inside front cover for specifics)  
6:00 p.m. Leave Tour, arrive Crowne Plaza 6:30 p.m.

6:00 p.m.—7:00 p.m.     **Reception in Vendor Area**

7:00 p.m.—8:00 p.m.     **Dinner in Vendor Area (provided)**  
*Baron of Biosolids*  
*90 second vendor updates*

8:00 p.m.—10:00 p.m.     **Entertainment—Texas Hold'em-Euchre, Wii**

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## Wednesday, March 17, 2010

### **Biosolids and Money: Going Green/Saving Green**

7:00 a.m.—8:00 a.m.     **Registration and Continental Breakfast**

8:00 a.m.—8:30 a.m.     **Opening Remarks:** *Moderator:* Steve Mahoney  
Jerry Harte, MWEA Executive Director  
**“Welcome to West Michigan”**  
Don Stypula, Grand Valley Metro Council

8:30 a.m.—9:15 a.m.     **“State of the State”**  
State Representative Paul Opsommer

9:15 a.m.—10:00 a.m.     **Cap and Trade: Any Consequences??**  
Congressman Mike Rogers (inv.)

10:00 a.m.—10:20 a.m.     **Break and Networking in vendor area**

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### **CONCURRENT SESSIONS A**

10:20 a.m.—10:50 a.m.     **Fertilizer Costs**  
John Christian, UAP

10:55 a.m.—11:25 a.m.     **Landfilling vs. Land Application**  
Tom Kent, Wyoming CWP

11:30 a.m.—12:00 p.m.     **Panel Discussion: Biosolids Land Application  
Facility vs. Contractor**  
Port Huron, Delta Twp. & Alpena

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## CONCURRENT SESSION B

- 10:20 a.m.—10:50 a.m.    **City Energy Audit**  
David G. Roskowic, Turblex Inc.
- 10:55 a.m.—11:25 a.m.    **European Experience**  
Dave Dupuis, United Water
- 11:30 a.m.—12:00 p.m.    **Terra-Gators vs. Tractor Pulled**  
**Applicators:** Synagro Consulting Engineers
- 12:00 p.m.—1:00 p.m.        Lunch and Vendor Networking**

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## AFTERNOON CONCURRENT SESSIONS

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### CONCURRENT SESSION C

- 1:00 p.m. - 1:30 p.m.    **SlurryCarb Process**  
Don Brindley, Entertec
- 1:35 p.m. - 2:05 p.m.    **Nutrient Recovery, Anaerobic Digester**  
**Sidestreams**—Lucy Pugh, AECOM
- 2:10 p.m. - 2:40 p.m.    **Digester Bio-Gas from Cheese Waste**  
Mark Eklund, P.E., Columbian TecTank
- 2:45 p.m. - 3:15 p.m.    **Food Waste Anaerobic Digester Gas**  
Torben Bonde, American Bio-Energy

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### CONCURRENT SESSION D

- 1:00 p.m. - 1:30 p.m.    **Anaerobic Digester Gas Utilization**  
Rich Grant, Fleis & Vandenbrink
- 1:35 p.m. - 2:05 p.m.    **Bio-Gas: Santa Cruz Story**  
Scott Rouse, Sierra Instruments
- 2:10 p.m. - 2:40 p.m.    **Grandville CWP Egg Shaped Anaerobic**  
**Digester and Bio-gas Cogeneration**  
Brian Hannon, P.E., Moore & Bruggink
- 2:45 p.m. - 3:15 p.m.    **Co-Generation and Bio-Fuels**  
Terry Pahls, IPower Energy Systems  
Scott Decker, Alternative Energy Solutions
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- 3:15 p.m. - 3:35 p.m.    **Break and Networking in Vendor area**
- 3:40 p.m. - 4:15 p.m.    **Greenhouse Gas (GHG) Rules**  
Vicki Garon & Dorothy Austin, Golder & Assoc.
- 4:15 p.m. - 4:30 p.m.    **Closing Remarks, CECs, Door Prizes**

## HOTEL INFORMATION AND DIRECTIONS:

# *Crowne Plaza Hotel*

5700 28th St. , Grand Rapids, MI (616)-957-1770

[www.crowneplaza.com](http://www.crowneplaza.com)

Reservations: (888) 444-0401

The special single room rate is \$65. To obtain this rate you must call the Hotel before **February 21st** to make your reservation and mention you are attending the Biosolids Conference. Parking is FREE.

### Directions to Crowne Plaza Hotel

S-131 SOUTH TO I-96 EAST TO EXIT 43B. THE HOTEL IS 1/4 MILE ON THE RIGHT. FROM KALAMAZOO (SOUTH): US-131 NORTH TO I-196 EAST TO I-96 EAST TO EXIT 43B. 1/4 MILE ON THE RIGHT. I-96 WEST TO EXIT 43B (28TH ST EAST-BOUND). HOTEL IS 1/4 MILE ON THE RIGHT.

March 16th—Tuesday Night

Reception - 6:00 - 7:00

Dinner 7:00— 8:00 (included in registration)

ENTERTAINMENT following:

Texas Hold'em

Euchre Games

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### Cancellation Policy:

If MWEA cancels, full refunds will be issued. If registrant cancels 10 days or more before the program, a 100% refund will be issued. If registrant cancels less than 10 days before the program, fees based on expenses will apply. If cancellation is made after the program date, there will be no refund. The registration can be transferred to another person in your organization anytime. All such changes must be communicated to the association office.

**MWEA P.O. Box 397 Bath, MI 48808 Phone: 517.641.7377 Fax: 517.641.7388**

**MWEA Biosolids Conference March 16 & 17, 2010—Crowne Plaza—Grand Rapids**  
**Register online at: [www.mi-wea.org](http://www.mi-wea.org) - Registration is for Conference Only (call Hotel for accommodations)**

Name: \_\_\_\_\_

MWEA/WEF Member. \$220, Membership #: \_\_\_\_\_

Employer: \_\_\_\_\_

Nonmember \$273 (Want a FREE membership? see below)

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

Check this box to receive a one-year complimentary MWEA Membership with the **non-member rate**.

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

Student Rate: **\$100.00**  
(*must present student ID, full time student please*)

Daytime Telephone: \_\_\_\_\_

**PAYMENT OPTIONS**

**Check box if you do wish to receive the WW CECs through this course.**

Check Enclosed \$ \_\_\_\_\_ (payable to MWEA)

Special Requirements: \_\_\_\_\_

Charge \$ \_\_\_\_\_  Visa  MasterCard  Amer. Exp

Registration confirmations are sent via email only.

Billing Address \_\_\_\_\_

Account Number: \_\_\_\_\_

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

Expiration Date: \_\_\_\_\_

Signature: \_\_\_\_\_

**MWEA P.O. Box 397 Bath, MI 48808**

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