



Central New York Regional Planning & Development Board
126 N. Salina Street, Suite 200, Syracuse, New York 13202 • Tel. (315) 422-8276 • Fax: (315) 422-9051
Kathleen A. Rapp, Chair David V. Bottar, Executive Director

CNY RPDB Meeting

June 17, 2015
12:00 noon – 1:30 p.m.

(Optional Walking Tour 1:30 – 2:30)

240 North Main St.
Minoa, New York 13116

(Minoa Village Hall – Golden Age Room)

AGENDA

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| 1. | Call to Order | Kathleen Rapp |
| 2. | Approval of the Day's Agenda and Minutes of the April 15, 2015 Board meeting | Kathleen Rapp |
| 3. | CNY Water Quality <ul style="list-style-type: none">• Issues and Opportunities | Kathleen Bertuch |
| 4. | Agricultural Nutrient Management – Whole Farm Best Practices Partnership <ul style="list-style-type: none">• Dana Hall – Sustainability Coordinator for the Spruce Haven Farm and Research Center | Dana Hall |
| 5. | Innovative Municipal Waste Water Treatment <ul style="list-style-type: none">• Steve Giarrusso – Supervisor, Village of Minoa Wastewater Treatment Plant | Steve Giarrusso |
| 6. | Executive Director's Report | David Bottar |
| 7. | Old/New Business | Kathleen Rapp |
| 8. | Adjournment | Kathleen Rapp |

Optional Outdoor Walking Tour of Minoa Wastewater Treatment Plant and Constructed-Wetlands Facilities



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**Central New York Regional Planning and Development Board
Board of Directors Meeting
June 17, 2015**

ATTENDANCE

Board Members: Larry Baker, Michael Chapman, Dan Dineen, Shawn Doyle, Stephen Lynch, , Mary Ann Messenger, James Murphy, Paul Pickney, Kathleen Rapp, Roy Reehil, Morris Sorbello, Bill Southern,.

Guests: Diane Carlton, Kipp Hicks, Bob Rufyn, Isabelle Harris, Dana Hall, Steve Giarrusso.

Staff: David Bottar, Kathleen Bertuch, Chris Carrick, Jeanie Gleisner, Bruce Keplinger, Karen Novak, Debbie Phillips, Nate Cisne, Brian Pincelli, Michael Rosanio, Anne Saltman, and Amanda Mazzoni

1. CALL TO ORDER

Kathleen Rapp called the meeting to order at 12:30 pm at the offices of the Minoa Village Hall.

2. APPROVAL OF MEETING AGENDA

A motion was introduced and seconded to accept the agenda and minutes as presented; the motion was approved unanimously.

3. CNY WATER QUALITY

Kathleen Bertuch was introduced and provided a brief summary on water quality issues in Central New York. As part of her presentation Ms. Bertuch noted the partnership which has developed over the past 50 years between federal, state, and local government in water resource protection. Ms. Bertuch noted that a critical component of this partnership is the network of wastewater treatment plants and related facilities which has been built across the five-county region. Reference was made that these facilities are approaching the end of their useful lives and that significant investments will be needed in the coming years to maintain the operating efficiency of these plants.

Ms. Bertuch continued her remarks by noting the ongoing challenge of addressing “non-point” threats to water quality in CNY particularly those associated with urban stormwater and agricultural nutrient run off. Regarding agriculture practices, Ms. Bertuch noted that in NYS agricultural wastewater discharges for large dairy farms are regulated by the NYS DEC under the State Pollutant Discharge Elimination System General Permit for Confined Animal Feeding Operations, otherwise known as the SPDES CAFO permit. Ms. Bertuch noted that CAFO permits are required for all dairy farm operations that feed or confine 300 or more mature dairy cows. The permit precludes the discharge of wastewater that is generated through agricultural processes to waters of the State except when a rainfall event exceeds certain parameters over a 24 hour storm event period. The permit also requires that the farm owner develop and implement a comprehensive nutrient management plan in accordance with Natural

Resource Conservation practice standards. The standards are designed to prevent soil erosion and nonpoint source water pollution. Nutrient management plans detail how much manure is being produced, what the liquid content of that manure is, where, when and how that manure should be stored, spread, and otherwise utilized. These plans are developed to maximize nutrient utilization and to protect the environment.

Ms. Bertuch also noted in her remarks the critical role that the NYS Department of Agriculture and Markets in helping to promote and regulate farm management practices across the State. In discussing this role, it was noted that local efforts to address agriculture nutrient management issues must be done in a manner that is consistent with regulatory provisions promulgated by the NYS Department of Agriculture and Markets and the State's "right-to-farm" laws.

4. AGRICULTURAL NUTRIENT MANAGEMENT – WHOLE FARM BEST PRACTICES PARTNERSHIP

Ms. Bertuch introduced Mr. Dana Hall, Sustainability Coordinator for the Spruce Haven Farm and Research Center in Cayuga County. Mr. Hall initiated his remarks by noting the purpose of the Center was to research and field test certain practices and technologies that will help protect the environment and improve productivity and efficiency on the farm. Mr. Hall provided a power point presentation highlighting several practices being tested at Spruce Haven including a lower cost biodigester/energy system and a highly efficient system for spreading nutrient resources in the field during the crop growing season. Also referenced was an online electronic tool which has been developed at the national level called "FarmSmart" that can be used by farmers to better determine the appropriate method and time period for manure spreading depending on field conditions.

5. INNOVATIVE MUNICIPAL WASTE WATER TREATMENT

Ms Bertuch introduced Mr. Steve Giarusso, Supervisor, Village of Minoa Wastewater Treatment Plant. Mr. Giarusso opened his remarks by noting that the Village of Minoa has been very successful in developing an innovative waste water treatment system that involves traditional treatment facilities, a waste-to-energy recovery system, and an on-site constructed wetlands system. Mr. Giarusso noted that the wetlands complex involves specialized planting and the use of a custom mix of microbiological filters that have proven to be very effective in removing waste products, pathogens, and pharmaceutical products. It was noted this proprietary system was developed by a commercial company in partnership with the Village of Minoa and SUNY ESF.

6. OLD/NEW BUSINESS

There was no information presented or discussed under old or new business.

7. ADJOURNMENT

There being no further business to discuss, a motion was introduced and seconded to adjourn the meeting; the motion was approved unanimously. The meeting concluded with a walking-tour of Minoa Wastewater Treatment Plant and Constructed Wetlands Facilities.

Respectfully Submitted,

James J. Murphy, Jr. Secretary