

**BOARD OF HEALTH MEETING
November 11, 2008
LABORATORY REPORT**

DEPARTMENT: Laboratory

REPORT FOR THE MONTH OF: October, 2008

Highlights:

- The laboratory began dairy product testing. Eleven samples were received, two (18%) failed.
- The journal article on the use of science to reduce swimming bans (a case study about Racine), submitted to *Aquatic Ecosystem Health and Management*, has been accepted for publication.
- Dr. Kinzelman was asked to be a mentor to life sciences students at UW-Parkside as part of the National Science Foundation (NSF) STEM (Science, Technology, Engineering, and Mathematics) Mentors Program. The STEM program awards scholarships to academically capable but financially needy students pursuing a degree in science.
- Research on the capability of QPCR to detect decreases in micro-organism as they pass through the wastewater treatment process continued in October with samples from the Racine WWTP (which uses UV light as a final treatment step) and two Milwaukee Metropolitan Sewerage District plants (which use chlorine as the final treatment step).
- Dr. Kinzelman gave a presentation on the success of beach sanitary surveys in identifying pollution sources and the resulting remediation efforts in Racine to the Yahara Lakes group in Madison on October 10th.
- Jennifer Lavender presented Racine's research on the use of real-time PCR to the USEPA at their national exposure research laboratory in Cincinnati, OH. The USEPA, who funded her travel, are especially interested in the results we are generating because they provide an end-user/public health perspective.
- Dr. Kinzelman was certified in adult/child CPR/AED.
- Dr. Kinzelman attended a free seminar on biofilms at UW-Parkside. This information directly relates to current research on non-point source contamination potential from man-made structures in the Root River.
- The Alfa-Wassermann ACE Clinical Chemistry analyzer was donated to the Racine Community Health Center after several attempts to sell it by the purchase agent failed.
- Dr. Kinzelman, Parks Director Donnie Snow, and citizen volunteers planted dune grass at North Beach as a Make-A-Difference Day project. We received money for the dune grass through a grant from the Racine Community Foundation/Sustainable Racine fund.

CONFERENCES/MEETINGS/TRAINING – October 2008

Date	Conferences/Meetings/Training	Purpose
10/2/08	Great Lakes St. Lawrence Cities Initiative	Monthly BOD conference call
10/3/08	WI Coastal Management Program	Grant application planning call
10/7/08	Racine WWTP	Collect research samples
10/7/08	UW-Parkside	NSF STEM mentors program
10/9/08	Root-Pike Watershed Initiative Network	Comed-Ed task group meeting
10/9/08	Great Lakes Regional Collaboration Beach Initiative	Conference call
10/10/08	Yahara Lakes conference/Madison	Give presentation on beaches
10/14/08	Board of Health	Monthly meeting
10/15/08	CPR/AED Training	Gain CPR/AED certification
10/16/08	Milwaukee Metropolitan Sewerage District	Receive research samples
10/17/08	UW-Parkside	Attend biofilm seminar
10/22/08	WI Public Health Laboratory Network	Planning call
10/23/08	South Milwaukee Health Department	Grant planning, DS 2008 beach data
10/25/08	North Beach/Make-A-Difference-Day	Plant dune grass
10/29/08	Great Lakes Regional Collaboration Beach Initiative	Conference call
10/30/08	Dr. Jim Maki/Marquette University	DS current joint research activities